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REMEDIAL WORK ELEMENT 2 (GROUNDWATER) FOREST GLEN SUPERFUND SITE NIAGARA FALLS, NEW YORK

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EXECUTIVE SUMMARY

This document is the 2019 Annual Report for Remedial Work Element 2 (groundwater) (RWE-2) for the Forest Glen Superfund Site in Niagara Falls, New York. The Record of Decision (ROD; USEPA, 1999) established two remedial action objectives (RAOs) for RWE-2, specifically:

- Reduce or eliminate the threat to human health and the environment posed by groundwater contamination by remediating groundwater to maximum contaminant levels (MCLs)
- Reduce or eliminate the potential for migration of contaminants to potential receptors.

To achieve these RAOs, the USEPA selected a two-part approach for RWE-2. The first component includes extraction of contaminated groundwater from the on-property plume using groundwater recovery wells RW-1 and RW-2, and transfer of the extracted groundwater via sanitary sewer to the City of Niagara Falls Wastewater Treatment Plant. The second component for RWE-2 includes natural attenuation of the off-property VOC plume. The RWE-2 remedy was completed to complement the Remedial Work Element 1 (Soil) (RWE-1) remedy selected by the USEPA for Operable Unit 2 (soil) which consisted of construction of a 6 NYCRR Part 360 low-permeability geomembrane cap over the suspected source of volatile organic compounds (VOCs) in overburden soil. The construction of both RWE-1 and RWE-2 was completed, and operation of the groundwater recovery system including RW-1 and RW-2 started, during 2003. A third groundwater recovery well, RW-3, was completed and operations began on August 27, 2014 to augment contaminant capture and further minimize the potential for contaminant migration off-property. Combined, these wells recovered 11,830,096 gallons of groundwater for treatment at the Niagara Falls Wastewater Treatment Plant during 2019. The groundwater recovery system was on-line 100% of the year (except for approximately 20 hours when the system was scheduled to be down for cleaning) and actively pumped approximately 96% of 2019.

Groundwater monitoring data are compared to regulatory criteria, which include federal maximum contaminant levels (MCLs) and New York State Class GA groundwater standards. It should be noted that for the contaminants of concern (COC), which are trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride (VC), the federal MCLs and the Class GA groundwater standards are the same for TCE and vinyl chloride at 5 µg/L and 2 µg/L, respectively; however, the federal MCL for cis-1,2-DCE is 70 µg/L compared to the Class GA groundwater standard of 5 µg/L.

Off-property monitoring well nests MW-7 and MW-8 continued to be monitored during the year to evaluate conditions and progress toward the RAOs for the Site COCs including TCE, cis-1,2-DCE, and vinyl chloride. Since March 2015 there have been no COCs detected above the MCLs or Class GA groundwater standards in the off-property wells, an indication that the RAOs have been achieved west of the Property.

On-property, groundwater samples from MW-5S, which is believed to be in the likely COC source area, continue to exhibit COCs at concentrations above the MCLs. Concentrations of COCs in MW-5D were also above the MCLs prior to completion of RWE-1 and startup of the groundwater recovery system during 2003 and have since been generally non-detect. MW-6D has also shown a reduction of COCs to below MCLs or non-detect, which is an indication of progress toward achievement of RAOs within the deep bedrock zone at these locations. The deeper bedrock zone

represented by MW-6DD however does exhibit concentrations of cis-1,2-DCE above the Class GA groundwater standard and vinyl chloride above the MCL. In MW-6DD, the concentration of vinyl chloride has declined, while the concentration of cis-1,2-DCE fluctuates between 10 and 25 µg/L.

Continued monitoring and operation of the groundwater recovery system is warranted due to the concentration of COCs present in MW-5S, MW-6S and MW-10S. Historically, COCs above the MCLs have been detected at MW-5S. At MW-6S, cis-1,2-DCE has been detected above the Class GA groundwater standard, and vinyl chloride was above the MCL between March 2014 and December 2019. The concentration of vinyl chloride in MW-6S showed an increase since starting operation of RW-3 and reached its highest concentration to date in the first quarter 2018. During the subsequent quarters, VC concentrations were lower than the first quarter 2018, but remain above the MCL. Vinyl chloride concentrations in this well will continue to be closely monitored.

Other observations coincident to the construction of RW-3 include a reduction in cis-1,2-DCE and vinyl chloride concentrations in MW-6D, and reduction of vinyl chloride concentrations in MW-6DD and MW-8D.

Concentrations of cis-1,2-DCE and vinyl chloride at MW-10S were historically were below MCLs and Class GA groundwater standards from August 1997 through March 2016. Since then, these compounds, have periodically been detected above the Class GA groundwater standard. For example, cis-1,2-DCE was detected at concentrations above the Class GA groundwater standard during the second, third, and fourth quarters of 2016, the third quarter of 2017, second and third quarters of 2018, and third quarter of 2019. Vinyl chloride was detected at concentrations above the MCL during the second and third quarters of 2016 and the third quarters of 2017, 2018, and 2019. It is important to recognize that Site-specific hydraulic flow potentials and contaminant migration pathways are scale-dependent and temporal variability in contaminant distribution, as indicated by analytical data, is not unusual given the heterogenous nature of fractured bedrock systems.

1. INTRODUCTION

1.1 General

This document is the 2019 Annual Report for RWE-2 at the Forest Glen Subdivision Superfund Site in Niagara Falls, New York (**Figure 1**). The report presents a summary of the groundwater recovery and monitoring that occurred during 2019.

This Section presents background information regarding the remedial work elements established by the United States Environmental Protection Agency (USEPA) for the Site. Section 2 provides a summary of groundwater recovery system operations and discharge monitoring that occurred during 2019, and Section 3 presents a summary of groundwater quality conditions.

1.2 Background

The Site is located in Niagara County, New York, partly in the City of Niagara Falls and partly in the Town of Niagara (**Figures 1 and 2**). It lies in the northwest quadrant of the intersection of Interstate Highway 190 and Porter Road, and is accessed from Service Road, off Porter Road. The Site is approximately 29 acres. The boundary between the City of Niagara Falls and the Town of Niagara runs north and south through the Site. Approximately 21.5 acres lie within in the City of Niagara Falls and approximately 7.5 acres lie within in the Town of Niagara.

The Site is bounded to the north by property owned by the New York Central Lines LLC/Conrail Niagara Junction Railway Company (a wholly owned subsidiary of Consolidated Rail Corporation, whose parent company is CSX Transportation, Inc.), to the east by Interstate 190, to the south by property owned by Peter Certo Corp., Expressway Village, Military Manor, and Candella, et al., and to the west by the land of the New York State Department of Transportation and the Conrail Foote Railroad Yard.

The groundwater recovery system was constructed on-Property as required by the Statement of Work (SOW) included as part of the Consent Decree in the matter of United States v. The Goodyear Tire & Rubber Company (Goodyear) et. ano., Civil Action No. 960CV-07215 S (H). The SOW established two remedial work elements for the Site.

- RWE-1 was established to address soils and sediments on-Property
- RWE-2 was established to address groundwater on-Property and off-Property.

The RWE-1 actions, which included construction of a 6 NYCRR Part 360 low-permeability geomembrane cap, were completed in 2003 as presented in the USEPA-approved *Remedial Action Report* dated April 2004 (O'Brien & Gere Engineers, Inc. (OBG), 2004a). Operation and monitoring (O&M) requirements associated with RWE-1 are described in the *RWE-1 O&M Manual* dated April 2004 (OBG, 2004b), and Cherokee Niagara, LLC is responsible for implementing the O&M program for RWE-1 and separately reports the findings to USEPA. As such, RWE-1 is not discussed further herein.

The remedial action objectives (RAOs) for RWE-2 include:

- Reduce or eliminate the threat to human health and environment posed by groundwater contamination by remediating groundwater to maximum contaminant levels (MCLs)
- Reduce or eliminate the potential for migration of contaminants to potential receptors.

The RWE-2 remedy includes the following measures to accomplish these RAOs:

- Extraction of impacted groundwater from the on-Property VOC plume. Since December 2003 this has been accomplished using two on-property groundwater recovery wells (RW-1 and RW-2), and a third groundwater recovery well, RW-3, was placed into operation on August 27, 2014 to augment the system. The locations of the recovery wells and other Site features are shown on **Figure 3**.
- Transfer of the extracted groundwater via sanitary sewer to the City of Niagara Falls Wastewater Treatment Plant. The discharge point permitted by the Niagara Falls Water Board (NFWB) is at sanitary sewer manhole MH-3B for RW-1 and RW-2, and manhole MH-3C for RW-3 (**Figure 2**).
- Implementation of a long-term groundwater monitoring program to assess progress toward the RAOs. The monitoring program includes periodic VOC analyses, and through 2013 also included analysis of natural attenuation indicators which exhibited consistent concentrations comparing them to the historic results.

The shallow bedrock comprises the weathered portion of the bedrock and the first zone of highly fractured bedrock and is encountered at elevations between approximately 568-ft mean sea level (msl) and 585-ft msl. The deep bedrock zone comprises fractures encountered between elevations of approximately 532-ft msl and 567-ft msl. A 5-ft to 10-ft section of fine-grained, structurally competent bedrock was encountered between the shallow and deep bedrock zones. Bedrock underlying the deep zone, between elevations of approximately 490-ft msl and 530-ft msl define the deeper bedrock zone. Groundwater was not encountered between elevations of approximately 477.5-ft msl and 490-ft msl, based on drilling data from MW-7DD(1). The lack of groundwater indicates that an aquiclude exists at an elevation of approximately 490-ft msl, which appears to be at least 12.5-ft thick. The top of the aquiclude (490-ft msl) defines the bottom of the bedrock groundwater system underlying the Site.

Ground water in the shallow and deep bedrock zones flows both vertically and horizontally through joints and bedding plane fractures. The distribution and interconnectedness of the joints and fractures dictate hydraulic flow potentials and contaminant migration pathways. Site-specific hydraulic flow potentials and contaminant migration pathways are scale-dependent and temporal variability in contaminant distribution, as indicated by analytical data, is not unusual given the heterogenous nature of fracture bedrock systems.

A groundwater extraction system at the Site is currently in operation. The groundwater extraction system comprises three pumping wells, RW-1, RW-2 and RW-3. RW-1 and RW-2 are the two original pumping wells installed and operated since 2003. A trial shut-down of the recovery system was conducted from October 2010 through April 2013 to assess if concentrations of contaminants of concern, namely TCE, cis-1,2-DCE, and VC, in the groundwater would rebound. Due to observed rebound of COC concentrations, the system was restarted. RW-3 was added to the extraction system in August 2014 to control contaminant migration to off-Property areas to the west of the Site.

During September 2017, the USEPA completed its Fifth Five-Year Review Report for the Site and concluded that the remedy protects human health and the environment.

2. GROUNDWATER RECOVERY AND DISCHARGE

2.1 General

A total of 11,830,096 gallons of groundwater were recovered during 2019. **Table 1** below presents a summary of the volumes recovered each month.

Table 1. Monthly Operating Summary

Month	RW-1 volume (gallons)	RW-2 volume (gallons)	RW-3 volume (gallons)	Total volume (gallons)	Remarks
January	431,892	423,026	269,571	1,124,489	99% operation permitted by Regulator No. 6C.
February	343,009	349,508	178,523	871,040	97% operation permitted by Regulator No. 6C.
March	348,378	360,558	206,622	915,558	98% operation permitted by Regulator No. 6C.
April	305,025	315,199	182,609	802,833	97% operation permitted by Regulator No. 6C.
May	260,622	282,349	176,414	719,385	92% operation permitted by Regulator No. 6C.
June	218,011	254,066	146,746	618,823	92% operation permitted by Regulator No. 6C.
July	285,131	403,803	151,117	840,051	88% operation permitted by Regulator No. 6C.
August	459,113	553,413	193,889	1,206,415	98% operation permitted by Regulator No. 6C.
September	448,382	527,885	205,173	1,181,440	99% operation permitted by Regulator No. 6C.
October	454,377	530,766	200,616	1,185,759	97% operation permitted by Regulator No. 6C.
November	441,143	522,778	194,092	1,158,013	99% operation permitted by Regulator No. 6C.
December	444,332	555,179	206,779	1,206,290	98% operation permitted by Regulator No. 6C.
2018 Total	4,439,415	5,078,530	2,312,151	11,830,096	

Source: Ramboll

2.2 Quarterly Groundwater Discharge Sampling

In accordance with the Significant Industrial User (SIU) permit, effluent samples were collected for analyses of VOCs including VC, 1,1-dichloroethylene (1,1-DCE), 1,2-dichloroethylene (1,2-DCE, cis and trans), 1,1-dichloroethane (1-1-DCA), TCE, tetrachloroethylene (PCE), and 1,1,1-

trichloroethane (1-1-1-TCA) from the recovery wells in operation at the time for the following quarters:

- December 1, 2018 to February 28, 2019: RW-1, RW-2 and RW-3 sampled on November 27 and 28, 2018.
- March 1, 2019 to May 31, 2019: RW-1, RW-2 and RW-3 sampled on March 18 and 19, 2019.
- June 1, 2019 to August 31, 2019: RW-1, RW-2 and RW-3 sampled on June 19 and 20, 2019.
- September 1, 2019 to November 30, 2019: RW-1, RW-2 and RW-3 sampled on September 23 and 24, 2019.

The self-monitoring laboratory reports for 2019, which were provided to the Niagara Falls Water Board (NFWB) are provided as **Appendix A**. The effluent sample results for each quarter demonstrate that the groundwater recovery system operated in accordance with the discharge limits established by the SIU permit (**Appendix B**).

2.3 Groundwater Recovery System Improvements

2.3.1 System preventive maintenance and improvements

July 31, 2019- August 2, 2019 - On July 30, 2019, the recovery well system was cleaned, and new flush-mount well covers and well pads were installed at monitoring wells MW4S, MW4D, MW5S and MW5D.

The pumping rate at RW1, RW2, and RW3 was trending downward while the operating pressure on the systems was trending upward so a cleaning event was scheduled to pull and clean all three submersible pumps and flush the conveyance piping system. The pumps were removed allowing access to the existing pitless adapter seat at each well A 1-inch carbon steel pipe section was connected to the end of a new pitless adapter section to allow a clean potable water supply to run through the system. The conveyance piping system(s) of the three recovery wells was flushed from the pitless adapter, located within the well to the existing sanitary discharge point(s) under a pressure of approximately 75 psi. The pumps were cleaned, and the riser pipe connected to the pump was also cleaned and flushed. The clean potable water supply and pressure to flush the system was obtained through a fire hydrant located at the back of the property. A pre-assembled section of 1-1/2- inch steel pipe with a gate valve, check valve and pressure gauges was utilized to monitor and control the flow and pressure introduced to the system. Following the cleaning event, the flow rate at RW1, RW2 and RW3 was set at 10.5 GPM, 12.6 GPM and 5.6 GPM respectively. The week prior to the cleaning the flow rate was observed at approximately 8 GPM, 11 GPM and 4 GPM respectively.

Due to deterioration, the existing flush-mount well covers and well pads at MW4S, MW4D, MW5S and MW5D were replaced. New 3-foot x 3-foot x 1-foot thick concrete pads were formed, and 12-inch diameter watertight monitoring well manholes installed. Areas around each well head that were disturbed during the removal and installation process were regraded and stabilized with grass seed and straw.

November 18, 2019-December 6, 2019 - The existing RW1/RW2 sampling shed was at the end of its functional life cycle and in need of a security upgrade. The existing RW1/RW2 sampling shed was replaced with a stick built 10 feet x 10 feet wood framed structure. To minimize down time of the pumping system the existing shed was disassembled by hand and a replacement structure was built on the existing concrete slab. The existing curb was removed and replaced with an eight-inch concrete block curb to support the base of the new walls.

A code evaluation was conducted as part of the design effort and a building permit was obtained from the City of Niagara Falls. Based on the 2015 International Energy Conservation Code (IECC), the envelope of a conditioned non-occupied building is required to meet minimum R-Value Requirements. Based on this requirement the new building walls and roof were insulated with R-13 + R7.5 ci and R-49 respectively. Based on condensation and the wet environment of the existing shed, the interior walls and ceiling were lined with PVC paneling. The existing electrical components (lighting, heater, utility outlets and alarms) within the building were temporarily taken out of service and later reinstalled in the new building. The existing electric heater was replaced with a new 4 kW electric unit heater with an integral thermostat. The groundwater recovery system remained operational during construction of the replacement sampling shed.

3. GROUNDWATER MONITORING

3.1 General

Groundwater samples were collected from monitoring wells MW-1S, MW-1D, MW-4S, MW-4D, MW-5S, MW-5D, MW-6S, MW-6D, MW-6DD, MW-7S, MW-7D, MW-7DD, MW-8S, MW-8D, MW-8DD, MW-10S and MW-10D (**Figure 3**) on four occasions during 2019 (March, June, September and November). During each monitoring event, groundwater levels were also measured prior to initiating the groundwater sampling.

3.1.1 Groundwater level measurements

Groundwater levels were measured in the Site monitoring wells using an electronic water level probe prior to sampling. The water levels were subsequently converted to groundwater elevations as presented in **Table 2**. **Table 2** also presents the baseline groundwater elevations recorded during February 2000 prior to groundwater extraction starting at the Site in 2003.

Groundwater elevation contour maps of the shallow bedrock and deep bedrock groundwater are shown on **Figures 4 and 5**, respectively for March 2019; **Figures 6 and 7**, respectively for June 2019; **Figures 8 and 9**, respectively for September 2019; and **Figures 10 and 11**, respectively for November 2019. Baseline shallow and deep bedrock groundwater elevation contour maps prepared using data collected on February 14, 2000 are presented as **Figures 12 and 13**, respectively. The baseline data represent groundwater elevations before construction of the Part 360 cover and groundwater recovery system were complete.

Comparison of the baseline shallow and deep bedrock groundwater elevation contour maps (**Figures 12 and 13**) to the March, June, September and November 2019 shallow and deep bedrock groundwater elevation contour maps (**Figures 4 through 11**) demonstrate that the current on-Site groundwater recovery system (RW-1, RW-2 and RW-3) creates inward hydraulic gradients toward the recovery wells.

3.1.2 Groundwater quality sampling

The groundwater samples were collected using low flow purging and sampling methods in accordance with the Long-Term Groundwater Monitoring Plan (OBG, 2004c).

The samples were submitted to Eurofins Test America Laboratories, Inc. in Amherst, New York for Target Compound List (TCL) VOC analysis using USEPA methods SW5030B/SW8260B, and the laboratory reports are provided in **Appendix C**. The VOC results for the sampling performed between 2017 and 2019 are presented in **Table 3**, and between system startup on December 19, 2003 and 2019 on **Table 4**. **Table 4** also presents historic groundwater data collected prior to completing construction of the groundwater recovery system and the Part 360 cover.
In addition to the VOC analyses, samples were analyzed for geochemical parameters (sulfide, chloride, alkalinity, total organic carbon, sulfate, nitrate, nitrite, dissolved ferrous iron, total dissolved iron, and total dissolved manganese) and dissolved gases (methane, ethane, ethene) during the first and third quarter 2019 monitoring event. **Tables 5** and **6** present the geochemical and dissolved gas data, respectively.

Groundwater monitoring data are compared to regulatory criteria, which include federal maximum contaminant levels (MCLs) and New York State Class GA groundwater standards. It

should be noted that for the COCs, which are TCE, cis-1,2-DCE, and vinyl chloride, the federal MCLs and the Class GA groundwater standards are the same for TCE and vinyl chloride at 5 µg/L and 2 µg/L, respectively; however, the federal MCL for cis-1,2-DCE is 70 µg/L compared to the Class GA groundwater standard of 5 µg/L.

3.2 Assessment of Groundwater Quality Data and Trends

Below is an assessment of groundwater quality data summarized in **Tables 3 and 4**, and of concentration trends depicted in **Appendix D**. While a description of apparent trends is provided, changes in observed concentrations over the period are subject to several factors, including variability related to temporal, sampling, and analytical factors.

3.2.1 Volatile organic compound trends

Of the VOCs detected in the shallow and deep bedrock groundwater (**Table 4**), chlorinated aliphatic hydrocarbon (CAH) compounds have consistently been detected at the highest concentrations. The CAHs detected at the on-Property monitoring wells include TCE, PCE, 1,1,1-TCA, 1,1,2-trichloroethane (1,1,2-TCA), 1,2-dichloroethane (1,2-DCA), 1,1-DCA, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, chloroethane, and vinyl chloride (VC). Of these CAHs, TCE, cis-1,2-DCE, and vinyl chloride are the compounds consistently detected.

Prior to the initiation of pumping within the bedrock during 2003, CAH concentrations (TCE, cis-1,2-DCE, VC, 1,1,1-TCA, and 1,1-DCA) declined laterally and downgradient from the MW-5S/D well nest. The spatial relationship between the MW-5S/D well nest and the other on-Property and off-Property monitoring wells is shown on **Figure 3**.

Review of the concentration trend graphs provided in **Appendix D** indicates the following:

- To the east of the MW-5S/D well nest:
    - CAHs were not detected above MCLs or Class GA groundwater standards at well MW-1S/D prior to the initiation of pumping in 2003. Since the initiation of pumping in 2003, CAHs have not been detected above MCLs or Class GA groundwater standards in the MW-1S/D nest, the only remaining monitoring wells sampled to the east of MW-5S/D nest.
- To the south of the MW-5S/D well nest:
    - TCE has not typically been detected at the MW-6S/D/DD well nest, and when detected, concentrations are below MCLs.
    - Cis-1,2-DCE concentrations at MW-6S were typically below the MCL and Class GA groundwater standard prior to the initiation of pumping at RW-1 and RW-2. After startup of RW-1 and RW-2, concentrations increased slightly and typically ranged between 2 µg/L and 16 µg/L. During the trial shut down of the groundwater extraction system, cis-1,2-DCE concentrations were typically below the MCL and Class GA groundwater standard. After RW-1 and RW-2 were re-started, cis-1,2-DCE concentrations increased sharply to the highest concentration (70 µg/L) observed in this well. After RW-3 was placed on-line, cis-1,2-DCE concentrations declined to levels typically ranging between 10 µg/L and 30 µg/L. Concentrations of cis-1,2-DCE at MW-6D have remained below the MCL and Class GA groundwater standard since the first quarter 2014, which is attributable to operation of RW-3. Cis-1,2-DCE concentrations at MW-6DD have been

consistently detected below the MCL but above the Class GA groundwater standard. Concentrations typically fluctuate between 10 and 30 µg/L.
    - VC concentrations at MW-6S were intermittently detected historically and at concentrations generally below the MCL until RW-3 was put on-line. Since then, VC concentrations have shown fluctuations, but an overall increasing trend. Recent concentrations are on the order of 20 µg/L. VC concentrations at MW-6D were observed to increase after initiation of pumping at RW-1 and RW-2 and have ranged between approximately 30 µg/L and 50 µg/L. Since the first quarter of 2015, shortly after startup of RW-3, VC concentrations decreased below the MCL of 2 µg/L and has remained below the MCL or not detected to present. This is attributable to operation of RW-3. VC concentrations at MW-6DD were observed to increase after initiation of pumping at RW-1 and RW-2 and have ranged between approximately 10 µg/L and 20 µg/L. Shortly before startup of RW-3, VC concentrations decreased to a range between the MCL and approximately 5 µg/L. Since the fourth quarter of 2016, VC concentrations have remained relatively stable around 5 µg/L with intermittent periods when VC was not detected above the MCL. This is attributable to operation of RW-3.
    - TCE has not typically been detected at the MW-10S/D well nest, and when detected, concentrations are below the MCL.
    - Cis-1,2-DCE concentrations at MW-10S were consistently below the MCL and Class GA groundwater standard until RW-3 was put on-line. Since then, cis-1,2-DCE concentrations have shown an increasing trend with intermittent periods when detections were below the MCL and Class GA groundwater standard. During 2019, cis-1,2-DCE was not detected during the first, second, or fourth quarters. Cis-1,2-DCE has not been detected at MW10D since the first quarter of 2004.
    - VC concentrations at MW-10S were intermittently detected historically and at concentrations below the MCL until the first quarter of 2016, approximately 1.5 years after RW-3 was put on-line. Since then, concentrations of VC have been non-detect at times and detected at concentrations above the MCL at other times.
- To the north of MW-5S/D:
    - TCE has not been detected at MW-4S. TCE has not been detected above the MCL at MW-4D and has not been detected since the fourth quarter of 2006.
    - Cis-1,2-DCE has not been detected above the MCL or Class GA groundwater standard at MW-4S and has not been detected since the fourth quarter of 2016. Cis-1,2-DCE has not been detected at MW-4D.
    - VC has not been detected at MW-4S or MW-4D.
- Off-property to the west of MW-5S/D:
    - TCE has not been detected above the MCL at the MW-7S/D/DD well nest, MW-8D, or MW-8DD. TCE has not been detected above the MCL since the second quarter of 2002 at MW-8S.
    - Cis-1,2-DCE has not been detected above the MCL or Class GA groundwater standard at MW-7S, or at MW-7D and MW-7DD since the fourth quarter of 2007 and the first quarter of 2004, respectively. Cis-1,2-DCE has not been detected above the MCL or Class GA groundwater standard at MW-8S, MW-8D, and MW-8DD since the third quarter of 2001, second quarter of 2007, and the third quarter of 2003.

- VC has not been detected at MW-7S and has not been detected at MW-7D and MW-7DD since the first quarter of 2012 and the fourth quarter of 2005, respectively. VC has not been detected at above the MCL at MW-8S since the first quarter of 2000, at MW-8D since the fourth quarter of 2014, and at MW-8DD since the first quarter of 2011.
- These data indicate that the combination of groundwater extraction on-Property and monitored natural attenuation (MNA) off-Property have minimized impacts to off-Property areas.

Degradation processes can cause concentrations of individual CAHs to vary and make it difficult to evaluate plume attenuation based solely on individual CAH concentrations. By converting the CAH concentrations to micromole (µmol) concentrations and then adding the CAH micromole concentrations (mass), the combined CAH mass at each monitoring location within a plume can be compared. Because TCE, 1,2-DCE, and vinyl chloride are the predominant CAH compounds at the Site, these CAH concentrations have been converted to µmol concentrations for mass comparisons.

Appendix E presents the CAH mass trends and are described below:

- MW-4S/D nest – the CAH mass at MW-4S has been very low (*i.e.* 0.001 µmols/l) since the initiation of sampling, while the CAH mass at MW-4D has declined to very low (*i.e.* 0.001 µmols/l) concentrations since pumping was initiated in 2003.
- MW-5S/D nest – the CAH mass in MW-5S dominates the mass distribution at this well nest and represents the highest CAH mass in the on-Property monitoring wells. With the initiation of pumping in 2003 the CAH mass has declined from about 15 µmols/l to below 5 µmols/l. The combined CAH mass in this well nest began to increase following the trial shutdown of pumping between November 2010 and April 2013. Since the re-start of the extraction system, the combined CAH mass decreased and continues to be at its lowest historical levels during each quarter of 2019.
- MW-6S/D/DD nest – the CAH mass at this well nest had increased since the initiation of pumping in 2003. MW-6S had stable low CAH mass prior to the initiation of pumping in 2003 and showed a similar pattern after the pumping was shut down between November 2010 and April 2013. During the pumping shutdown, CAH mass in this well was more variable and showed a slight increase, as shown during June 2014 and March 2016. CAH mass then decreased during the next three quarters in 2016 and was stable during 2017. CAH mass then varied at concentrations of 0.8 to 0.2 µmols/l during 2018 and 2019, respectively. CAH mass in MW-6D increased by up to a factor of two since the initiation of pumping in 2003 through 2013. A sharp decrease in CAH mass was observed during each quarter of 2014 and 2015, and continued at low levels throughout 2016, 2017, 2018, and 2019. CAH mass in MW-6DD, which was installed when the pumping wells were installed, remained relatively constant since monitoring began. The combined CAH mass in this well nest increased since the initiation of pumping in 2003 through 2013. From 2014 through 2019, the combined CAH mass showed a more stable trend. Temporal variability in the contaminant mass distribution are not unexpected given the heterogenous nature of the fractured bedrock system. The decrease of CAH mass at the MW-6 nest appears to be consistent with the initiation of RW-3 pumping.
- MW-7S/D/DD nest – the CAH mass in MW-7S and MW-7DD has consistently been very low (*i.e.* 0.001 µmols/l). The CAH mass at this well nest has been dominated by MW-7D

which showed about an order of magnitude decline in CAH mass since the initiation of pumping in 2003. Because of the dominance of MW-7D, the combined CAH mass in this well nest also showed about an order of magnitude concentration decline since the initiation of pumping in 2003. CAH mass remained low during the trial pumping shutdown test between November 2010 and April 2013. CAH mass continued to remain low through 2019.

- MW-8S/D/DD nest – CAH mass in MW-8S and MW-8DD declined following the initiation of pumping in 2003. CAH mass slightly increased in MW-8S following the trial shut-down of pumping between November 2010 and April 2013 but has shown a decline since the initiation of pumping at RW-3. CAH mass in MW-8D does not appear to have changed since the initiation of pumping in 2003; however, the data has become less variable and shows a decreased trend since 2014. These data suggest that RW-3 is effectively minimizing contaminant migration toward the MW-8 well nest.
- MW-10S/D nest – There has been no detectable CAH mass in MW-10D since the initiation of pumping during 2003. CAH mass in MW-10S was on the order of 0.03 µmols/l before pumping in 2003. Subsequent to the initiation of pumping from RW-3, an increasing trend in CAH mass in MW-10S was observed during 2016 but declined to more typical historic levels during the first, second, and fourth quarters of 2017. During 2018, CAH mass had an increase to its highest concentration to date during the third quarter 2018 but declined to concentrations consistent with historical data during the fourth quarter of 2018. During 2019, CAH mass remained within historical data during the first, second, and fourth quarter of 2019. Temporal variability in the contaminant mass distribution are not unexpected given the heterogenous nature of the fractured bedrock system.

3.2.2 Geochemical and dissolved gas data trends

An MNA evaluation was conducted based on data obtained during 2013 and earlier and presented in the *MNA Report* (OBG, 2014). The overall conclusion of the MNA evaluation, as presented in the MNA Report, is that evidence exists which indicates that natural processes are attenuating CAH in the shallow and deep bedrock. The contaminant plumes are attenuating both through physical and biological processes. The physical processes include advection, dispersion, sorption, and volatilization. The biological processes involve the transformation of higher chlorinated CAHs to less chlorinated CAHs (daughter products) via reductive dechlorination.

Evidence of microbially-mediated degradation is supported by the presence of daughter products. TCE concentrations in the source area have shown decreasing trends, and cis-1,2-DCE and vinyl chloride are present at downgradient locations. In addition, there is evidence that substantial reductions in total CAH mass has occurred within the suspected source area between July 1997 and May 2002.

Geochemical evidence also indicates that subsurface conditions are amenable for microbially-mediated degradation, including the following:

- An abundance of dissolved TOC that can be utilized as a carbon source (electron donor) by microbes
- The presence of methane that suggest highly reducing conditions and microbial degradation
- Anaerobic conditions that sustain reductive dichlorination
- Groundwater pH ranges that are suitable for microbial populations

3.3 Conclusion

CAHs in both the on-Property and off-Property shallow and deep bedrock groundwater plumes have been undergoing natural attenuation. The strongest chemical evidence has been the presence of cis-1,2-DCE and vinyl chloride in groundwater in the vicinity of the source, the presence of vinyl chloride at the downgradient monitoring wells, and the declining total CAH mass concentrations in the vicinity of the source. In addition, the high ratios of cis-1,2-DCE to trans-1,2-DCE within the CAH plume is also indicative of biologically mediated degradation.

Geochemical conditions at the Site have been amenable to biologically mediated degradation. The dissolved oxygen, ferrous iron [Fe(II)], ORP, and methane data indicate that anaerobic conditions have predominated within the CAH plume. These anaerobic conditions provide an environment conducive to reductive dechlorination.

As presented in the *MNA Report* (OBG, 2014), the CAH mass concentration declines observed at on-Property monitoring well nests MW-5S/D and MW-4S/D following the initiation of pumping in 2003 are consistent with the effects of groundwater pumping. Groundwater pumping increasingly draws groundwater from further away to the pumping well. This causes groundwater with little or no CAHs to be drawn to and mixed with the CAH plume groundwater at the pumping well. The result of this process is the decline in CAH mass concentrations in the vicinity of the pumping well. The continued presence of CAH mass at the MW-5S/D well nest indicates that there is a residual source of CAHs in the vicinity of this well nest; however, the CAH mass has continued to decline.

The decline in CAH mass observed at the MW-7S/D/DD well nest is an expected downgradient response to the groundwater pumping at the extraction wells. The extraction well pumping has effectively controlled the migration of CAHs from the on-Property residual source to the MW-7S/D/DD well nest. With limited continued migration of CAHs to the MW-7S/D/DD well nest, natural attenuation processes have caused the CAH mass to decline to below MCLs and Class GA groundwater standards and remain below these standards.

The continued presence of CAH mass at the MW-6S/D/DD and MW-8S/D/DD well nests suggest that there is an area of residual CAHs in the fractured bedrock in vicinity of the MW-6S/D/DD nest. The dissolved CAH plume from this source did not appear to be intercepted by extraction wells RW-1 and RW-2, and RW-3 was constructed on-Property to address this observation.

Groundwater from wells MW-6S/D/DD and MW-8S/D/DD has been collected during 22 sampling events (between September 2014 and December 2019) after the installation and start-up of RW-3 in 2014. Analytical data results from these 22 events indicate that the presence of CAH mass at the MW-6S/D/DD and MW-8S/D/DD well nest has, in general, decreased. However, CAH mass trend at well MW-6S was more variable since 2014 and showed a slight increase during June 2014, March 2016, March 2018, and March 2019. CAH mass at MW-6S decreased during the next three quarters in 2016 and was stable during 2017. CAH mass was more variable during 2018 and 2019. CAH mass at MW-6D and MW-8D continue to remain at, or near, their lowest levels recorded.

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RAMBØLL

TABLES

Table 2
Groundwater Elevations
2019 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

	Top of Casing	Screened Interval	8/1/1997		2/14/2000		7/13/2001		8/13/2001		11/26/2001		2/25/2002		5/13/2002		7/28/2003		2/6/2004		5/17/2004	
Well I.D.	Elevation (ft MSL)	Elevation (ft MSL)	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	598.15	568.5 - 578.5	18.94	579.21	16.67	581.48	16.21	581.94	18.77	579.38	16.86	581.29	12.45	585.70	12.82	585.33	18.71	579.44	19.23	578.92	16.61	581.54
MW-1D	598.05	546.7 - 567.5	18.96	579.09	16.32	581.73	16.17	581.88	18.74	579.31	16.79	581.26	12.52	585.53	12.95	585.10	18.78	579.27	19.03	579.02	16.44	581.61
MW-2S	596.95	567.1 - 577.1	18.01	578.94	13.47	583.48	15.78	581.17	17.63	579.32	13.58	583.37	10.85	586.10	10.94	586.01						
	607.04																30.63	576.41				
	600.11																		24.85	575.26	21.85	578.26
MW-2D	596.98	535.4 - 559.8	18.41	578.57	15.25	581.73	15.99	580.99	17.76	579.22	15.41	581.57	11.87	585.11	12.50	584.48						
	607.02																30.75	576.27				
	600.21																		24.46	575.75	22.12	578.09
MW-3S	597.43	567.3 - 577.3	18.53	578.90	13.53	583.90	16.20	581.23	18.00	579.43	13.62	583.81	7.11	590.32	11.10	586.33	ABND	ABND	ABND	ABND	ABND	ABND
MW-3D	597.10	545.1 - 564.1	18.27	578.83	14.22	582.88	15.89	581.21	17.67	579.43	14.41	582.69	11.20	585.90	11.55	585.55	ABND	ABND	ABND	ABND	ABND	ABND
MW-4S	595.34	573.6 - 583.6	15.86	579.48	12.05	583.29	13.76	581.58	15.55	579.79	12.97	582.37	9.16	586.18	8.94	586.40						
	596.23																19.66	576.57				
	593.96																		18.05	575.91	15.35	578.61
MW-4D	595.44	534.1 - 563.4	16.90	578.54	13.50	581.94	14.40	581.04	16.24	579.20	13.85	581.59	10.23	585.21	10.94	584.50						
	596.22																20.73	575.49				
	594.11																		19.48	574.63	16.93	577.18
MW-5S	594.25	566.2 - 576.2	15.60	578.65	12.01	582.24	13.25	581.00	14.99	579.26	12.14	582.11	8.77	585.48	9.40	584.85						
	596.52																21.14	575.38				
	592.85																		18.60	574.25	16.21	576.64
MW-5D	594.34	542.7 - 565.4	15.83	578.51	12.46	581.88	13.48	580.86	15.19	579.15	12.80	581.54	9.15	585.19	9.85	584.49						
	596.68																21.32	575.36				
	593.68																		19.29	574.39	16.82	576.86
MW-6S	597.11	568.2 - 578.2	18.04	579.07	11.56	585.55	15.72	581.39	17.57	579.54	11.23	585.88	10.08	587.03	9.35	587.76	20.19	576.92	21.35	575.76	17.69	579.42
MW-6D	596.73	540.3 - 567.8	18.17	578.56	14.81	581.92	15.84	580.89	17.55	579.18	15.11	581.62	11.55	585.18	12.23	584.50	21.27	575.46	22.19	574.54	19.93	576.80
MW-6DD	596.02		NI	NI		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	23.10		24.22	571.80	23.55	572.47
MW-7S	596.28	566.3 - 576.3	12.10	584.18	11.45	584.83	12.15	584.13	13.43	582.85	8.97	587.31	7.36	588.92	7.09	589.19	19.35	576.93	19.93	576.35	17.19	579.09
MW-7D	596.28	543.2 - 563.2	17.89	578.39	15.42	580.86	15.52	580.76	17.18	579.10	14.95	581.33	11.31	584.97	12.10	584.18	20.62	575.66	21.56	574.72	19.28	577.00
MW-7DD			NI	NI			NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	21.69		22.48		20.80	
MW-8S	596.67	564.4 - 574.4	15.68	580.99	13.70	582.97	14.47	582.20	15.85	580.82	13.11	583.56	11.15	585.52	11.43	585.24	18.10	578.57	16.20	580.47	14.40	582.27
MW-8D	596.86	542.8 - 561.9	19.82	577.04	16.93	579.93	17.06	579.80	18.98	577.88	17.11	579.75	13.40	583.46	14.31	582.55	21.10	575.76	21.82	575.04	19.80	577.06
MW-8DD			NI	NI			NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	21.40		22.85		21.72	
MW-9S	595.22	568.2 - 578.2	16.06	579.16	11.51	583.71	13.65	581.57	15.54	579.68	11.85	583.37	8.87	586.35	9.15	586.07						
	605.28																28.43	576.85				
	600.98																		25.65	575.33	22.18	578.80
MW-9D	595.31	538.5 - 567.5	16.52	578.79	13.22	582.09	14.16	581.15	15.91	579.40	13.57	581.74	9.91	585.40	10.68	584.63						
	605.35																29.15	576.20				
	600.77																		25.20	575.57	22.74	578.03
MW-10S	595.52	563.7 - 573.7	17.97	577.55	14.70	580.82	15.18	580.34	17.01	578.51	14.91	580.61	11.35	584.17	11.86	583.66	18.88	576.64	19.02	576.50	16.81	578.71
MW-10D	594.96	543.4 - 563.4	17.44	577.52	14.53	580.43	14.78	580.18	16.63	578.33	14.64	580.32	11.20	583.76	11.48	583.48	18.07	576.89	18.29	576.67	16.22	578.74
MW-11S	600.54	585.3 - 595.3	15.13	585.41	18.87	581.67	13.65	586.89	15.37	585.17	14.19	586.35	10.02	590.52	10.93	589.61	16.45	584.09	16.20	584.34	14.24	586.30
MW-11D	600.20	549.2 - 559.2	12.48	587.72	10.32	589.88	10.95	589.25	12.69	587.51	11.30	588.90	7.76	592.44	8.71	591.49	12.85	587.35	12.18	588.02	10.60	589.60
MW-12S	600.24	582.1 - 592.1	17.92	582.32	14.71	585.53	15.56	584.68	17.33	582.91	16.39	583.85	12.78	587.46	12.80	587.44	19.15	581.09	19.50	580.74	17.38	582.86
MW-12D	600.36	546.7 - 565.7	18.07	582.29	14.58	585.78	15.81	584.55	17.47	582.89	16.52	583.84	11.86	588.50	12.85	587.51	19.51	580.85	19.75	580.61	17.50	582.86
MW-13S	597.75	566.8 - 576.8	15.89	581.86	13.09	584.66	13.85	583.90	15.48	582.27	14.51	583.24	9.81	587.94	10.78	586.97	17.49	580.26	18.05	579.70	15.87	581.88
MW-13D	597.87	545.6 - 565.1	16.10	581.77	13.46	584.41	14.29	583.58	15.90	581.97	15.03	582.84	10.26	587.61	11.23	586.64	18.09	579.78	18.56	579.31	16.56	581.31
MW-14S	597.18	565.1 - 575.1	18.60	578.58	15.00	582.18	16.05	581.13	17.77	579.41	15.52	581.66	11.70	585.48	12.57	584.61	21.15	576.03	21.75	575.43	19.32	577.86
MW-14D	596.38	544.7 - 564.7	17.86	578.52	14.58	581.80	15.54	580.84	17.28	579.10	14.81	581.57	11.29	585.09	11.91	584.47	20.61	575.77	21.74	574.64	19.56	576.82
MW-15S	599.70	566.4 - 576.4	17.04	582.66	14.03	585.67	14.80	584.90	16.48	583.22	15.30	584.40	10.85	588.85	11.83	587.87	18.27	581.43	18.51	581.19	16.43	583.27
MW-15D	598.37	547.0 - 563.0	16.02	582.35	13.20	585.17	13.97	584.40	15.64	582.73	14.38	583.99	9.97	588.40	10.84	587.53	17.67	580.70	17.93	580.44	15.94	582.43
RW-1	593.60	526.5 - 574.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	18.38	575.22				
	593.67																		38.70	554.97	NM	NM
	593.87																					
RW-2	591.79	523.8 - 570.8	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NM	NM				
	591.80																		40.30	551.50	NM	NM
	592.43																					
RW-3	595.65		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

NOTES: MSL - Mean Sea Level
DTW - Depth to Water
GWE - Ground Water Elevation
NM - Not Measured
NI - Not Installed

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Table 2
Groundwater Elevations
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	Top of Casing	Screened Interval	7/23/2004		8/4/2004		11/18/2004		2/16/2005		4/18/2005		9/6/2005		11/14/2005		4/25/2006		11/13/2006		5/1/2007	
Well I.D.	Elevation (ft MSL)	Elevation (ft MSL)	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	598.15	568.5 - 578.5	18.58	579.57	15.65	582.50	20.77	577.38	13.99	584.16	15.96	582.19	18.79	579.36	17.22	580.93	16.99	581.16	17.86	580.29	15.19	582.96
MW-1D	598.05	546.7 - 567.5	18.60	579.45	15.56	582.49	20.80	577.25	13.60	584.45	16.11	581.94	18.84	579.21	17.18	580.87	16.82	581.23	17.78	580.27	15.25	582.80
MW-2S	596.95	567.1 - 577.1																				
	607.04																					
	600.11		24.53	575.58	20.36	579.75	26.50	573.61	17.10	583.01	20.71	579.40	23.71	576.40	21.45	578.66	21.06	579.05	23	577.11	19.58	580.53
MW-2D	596.98	535.4 - 559.8																				
	607.02																					
	600.21		24.57	575.64	20.31	579.90	26.45	573.76	18.62	581.59	21.74	578.47	23.58	576.63	21.91	578.30	22.02	578.19	23.6	576.61	11.84	588.37
MW-3S	597.43	567.3 - 577.3	ABND	ABND	ABND	ABND																
MW-3D	597.10	545.1 - 564.1	ABND	ABND	ABND	ABND																
MW-4S	595.34	573.6 - 583.6																				
	596.23																					
	593.96		17.74	576.22	14.53	579.43	19.45	574.51	13.60	580.36	14.45	579.51	17.58	576.38	15.53	578.43	15.67	578.29	16.58	577.38	13.77	580.19
MW-4D	595.44	534.1 - 563.4																				
	596.22																					
	594.11		19.37	574.74	15.00	579.11	21.45	572.66	13.53	580.58	16.66	577.45	18.3	575.81	16.58	577.53	16.86	577.25	18.52	575.59	15.7	578.41
MW-5S	594.25	566.2 - 576.2																				
	596.52																					
	592.85		18.23	574.62	14.10	578.75	20.48	572.37	12.72	580.13	15.81	577.04	17.33	575.52	15.53	577.32	15.81	577.04	17.6	575.25	14.71	578.14
MW-5D	594.34	542.7 - 565.4																				
	596.68																					
	593.68		19.10	574.58	14.87	578.81	21.37	572.31	13.14	580.54	16.5	577.18	18.06	575.62	16.34	577.34	16.65	577.03	18.37	575.31	15.54	578.14
MW-6S	597.11	568.2 - 578.2	21.03	576.08	16.26	580.85	22.42	574.69	18.54	578.57	15.95	581.16	20.18	576.93	17.33	579.78	14.43	582.68	18.44	578.67	12.02	585.09
MW-6D	596.73	540.3 - 567.8	22.22	574.51	17.25	579.48	24.43	572.30	16.23	580.50	19.5	577.23	21.04	575.69	19.36	577.37	19.74	576.99	21.44	575.29	18.5	578.23
MW-6DD	596.02		25.32	570.70	23.08	572.94	26.93	569.09	22.14	573.88	23.97	572.05	24.3	571.72	24.32	571.70	24.05	571.97	26.42	569.6	23.89	572.13
MW-7S	596.28	566.3 - 576.3	19.69	576.59	15.88	580.40	21.42	574.86	11.25	585.03	14.39	581.89	18.81	577.47	16.62	579.66	15.88	580.4	17.98	578.3	15.0	581.28
MW-7D	596.28	543.2 - 563.2	21.34	574.94	16.95	579.33	23.47	572.81	15.52	580.76	18.74	577.54	20.38	575.90	18.83	577.45	17.79	578.49	20.78	575.5	17.72	578.56
MW-7DD			24.10		19.50		24.68		18.40		19.91		21.17		19.82		19.61		21.95		18.52	
MW-8S	596.67	564.4 - 574.4	16.41	580.26	13.97	582.70	17.40	579.27	12.39	584.28	13.8	582.87	15.54	581.13	14.2	582.47	14.31	582.36	15.8	580.87	13.6	583.07
MW-8D	596.86	542.8 - 561.9	21.97	574.89	17.70	579.16	23.84	573.02	16.46	580.40	19.35	577.51	21.17	575.69	19.61	577.25	19.66	577.2	21.25	575.61	18.45	578.41
MW-8DD			23.96		20.55		25.72		19.50		22.05		23.23		22.52		22.57		24.85		22.6	
MW-9S	595.22	568.2 - 578.2																				
	605.28																					
	600.98		25.27	575.71	20.88	580.10	27.34	573.64	18.16	582.82	20.55	580.43	24.31	576.67	21.66	579.32	21.57	579.41	21.68	579.3	19.2	581.78
MW-9D	595.31	538.5 - 567.5																				
	605.35																					
	600.77		24.96	575.81	21.02	579.75	27.17	573.60	19.33	581.44	22.24	578.53	24.11	576.66	22.36	578.41	22.49	578.28	23.93	576.84	21.1	579.67
MW-10S	595.52	563.7 - 573.7	19.00	576.52	15.18	580.34	20.78	574.74	12.91	582.61	16.44	579.08	18.73	576.79	16.86	578.66	16.29	579.23	18.16	577.36	14.91	580.61
MW-10D	594.96	543.4 - 563.4	18.26	576.70	14.44	580.52	20.16	574.80	12.60	582.36	16.56	578.40	18.08	576.88	16.34	578.62	16.14	578.82	17.82	577.14	14.99	579.97
MW-11S	600.54	585.3 - 595.3	16.23	584.31	13.50	587.04	17.90	582.64	12.08	588.46	13.32	587.22	16.44	584.10	14.63	585.91	14.5	586.04	14.95	585.59	12.91	587.63
MW-11D	600.20	549.2 - 559.2	12.70	587.50	10.20	590.00	13.86	586.34	8.04	592.16	9.82	590.38	13.17	587.03	11.25	588.95	10.89	589.31	11.05	589.15	9.65	590.55
MW-12S	600.24	582.1 - 592.1	19.33	580.91	16.32	583.92	21.16	579.08	15.49	584.75	16.5	583.74	19.32	580.92	17.6	582.64	17.74	582.5	18.45	581.79	15.98	584.26
MW-12D	600.36	546.7 - 565.7	19.56	580.80	16.52	583.84	21.40	578.96	15.70	584.66	16.74	583.62	19.47	580.89	17.78	582.58	17.92	582.44	18.64	581.72	16.16	584.20
MW-13S	597.75	566.8 - 576.8	17.79	579.96	14.75	583.00	19.55	578.20	13.45	584.30	14.76	582.99	17.71	580.04	15.99	581.76	16.09	581.66	16.9	580.85	14.24	583.51
MW-13D	597.87	545.6 - 565.1	18.03	579.84	15.01	582.86	20.07	577.80	14.67	583.20	15.41	582.46	18.16	579.71	16.57	581.30	16.76	581.11	17.65	580.22	14.86	583.01
MW-14S	597.18	565.1 - 575.1	21.35	575.83	17.71	579.47	23.67	573.51			18.77	578.41	21.01	576.17	19.29	577.89	19.29	577.89	20.72	576.46	17.97	579.21
MW-14D	596.38	544.7 - 564.7	21.60	574.78	17.30	579.08	23.08	573.30			18.99	577.39	20.15	576.23	19.18	577.20	19.14	577.24	20.87	575.51	18.0	578.38
MW-15S	599.70	566.4 - 576.4	18.34	581.36	15.38	584.32	20.17	579.53			15.51	584.19	18.41	581.29	16.65	583.05	16.76	582.94	17.44	582.26	15.0	584.70
MW-15D	598.37	547.0 - 563.0	17.96	580.41	14.80	583.57	19.65	578.72			15.00	583.37	17.76	580.61	16.02	582.35	16.11	582.26	16.9	581.47	14.44	583.93
RW-1	593.60	526.5 - 574.5																				
	593.67		NM	NM	NM	NM	21.65	572.02	NA	NA		565.90	18.18	575.49	16.36	577.31	16.68	576.99	18.44	575.23	15.45	578.22
	593.87																					
RW-2	591.79	523.8 - 570.8																				
	591.80		NM	NM	NM	NM	19.79	572.01	NA	NA		570.30	16.63	575.17	14.87	576.93	15.38	576.42	17.04	574.76	14.35	577.45
	592.43																					
RW-3	595.65		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

NOTES: MSL - Mean Sea Level
DTW - Depth to Water
GWE - Ground Water Elevation
NM - Not Measured
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Table 2
Groundwater Elevations
2019 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

	Top of Casing	Screened Interval	10/29/07		05/21/08		11/17/08		10/19/09		05/17/10		11/18/2010		1/17/2011		4/18/2011		7/25/2011		10/24/2011	
Well I.D.	Elevation (ft MSL)	Elevation (ft MSL)	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	598.15	568.5 - 578.5	20.75	577.40	19.18	578.97	18.20	579.95	19.63	578.52	17.28	580.87	19.2	578.95	18.4	579.75	13.6	584.55	20.25	577.90	17.34	580.81
MW-1D	598.05	546.7 - 567.5	20.50	577.55	19.21	578.84	18.02	580.03	19.69	578.36	17.25	580.80	19.16	578.89	18.48	579.57	13.46	584.59	20.24	577.81	17.26	580.79
MW-2S	596.95	567.1 - 577.1																				
	607.04																					
	600.11		25.76	574.35	23.93	576.18	22.82	577.29	24.82	575.29	21.04	579.07	24.65	575.46	22.35	577.76	16.7	583.41	25.37	574.74	21.55	578.56
MW-2D	596.98	535.4 - 559.8																				
	607.02																					
	600.21		25.96	574.25	24.82	575.39	22.90	577.31	24.86	575.35	22.24	577.97	24.5	575.71	23.08	577.13	17.34	582.87	24.03	576.18	21.04	579.17
MW-3S	597.43	567.3 - 577.3																				
MW-3D	597.10	545.1 - 564.1																				
MW-4S	595.34	573.6 - 583.6																				
	596.23																					
	593.96		19.44	574.52	17.36	576.60	17.81	576.15	18.14	575.82	15.40	578.56	18.86	575.10	16.06	577.90	11.62	582.34	18.27	575.69	16.25	577.71
MW-4D	595.44	534.1 - 563.4																				
	596.22																					
	594.11		20.80	573.31	19.72	574.39	18.18	575.93	20.00	574.11	17.10	577.01	19.8	574.31	17.92	576.19	13.14	580.97	20.45	573.66	16.8	577.31
MW-5S	594.25	566.2 - 576.2																				
	596.52																					
	592.85		19.72	573.13	18.72	574.13	17.31	575.54	19.16	573.69	16.30	576.55	19	573.85	16.9	575.95	12.08	580.77	19.54	573.31	15.82	577.03
MW-5D	594.34	542.7 - 565.4																				
	596.68																					
	593.68		20.82	572.86	19.56	574.12	18.35	575.33	19.86	573.82	16.96	576.72	19.68	574.00	17.68	576.00	12.9	580.78	20.3	573.38	16.62	577.06
MW-6S	597.11	568.2 - 578.2	22.47	574.64	19.70	577.41	18.15	578.96	20.94	576.17	14.40	582.71	20.35	576.76	17.78	579.33	7.28	589.83	21.41	575.70	17.95	579.16
MW-6D	596.73	540.3 - 567.8	23.78	572.95	22.46	574.27	20.85	575.88	22.82	573.91	19.92	576.81	22.6	574.13	20.72	576.01	15.86	580.87	23.28	573.45	19.64	577.09
MW-6DD	596.02		26.43	569.59	25.98	570.04	26.25	569.77	25.80	570.22	24.58	571.44	26.72	569.30	25.06	570.96	21.3	574.72	26.9	569.12	25.04	570.98
MW-7S	596.28	566.3 - 576.3	19.76	576.52	19.45	576.83	16.38	579.90	19.05	577.23	13.44	582.84	15.62	580.66	17.45	578.83	10.2	586.08	20	576.28	15.28	581.00
MW-7D	596.28	543.2 - 563.2	22.95	573.33	21.75	574.53	20.05	576.23	21.94	574.34	19.08	577.20	21.65	574.63	19.96	576.32	15.18	581.10	22.6	573.68	18.82	577.46
MW-7DD			22.97		22.23		20.78		22.07		19.12		21.36		19.96		15.46	-15.46	23.39	-23.39	19.85	-19.85
MW-8S	596.67	564.4 - 574.4	16.31	580.36	16.78	579.89	14.85	581.82	17.78	578.89	14.74	581.93	16.4	580.27	19	577.67	13.2	583.47	19.92	576.75	16.12	580.55
MW-8D	596.86	542.8 - 561.9	23.51	573.35	22.35	574.51	20.88	575.98	22.55	574.31	19.86	577.00	22.4	574.46	20.95	575.91	16.15	580.71	23.26	573.60	19.78	577.08
MW-8DD			26.05		25.18		25.07		25.22		23.90		26.18		24.2		19.94	-19.94	26.18	-26.18	24.15	-24.15
MW-9S	595.22	568.2 - 578.2																				
	605.28																					
	600.98		26.60	574.38	22.58	578.40	22.96	578.02	23.92	577.06	21.04	579.94	23.7	577.28	21.18	579.80	16.92	584.06	24.22	576.76	22.02	578.96
MW-9D	595.31	538.5 - 567.5																				
	605.35																					
	600.77		26.56	574.21	25.08	575.69	23.76	577.01	25.35	575.42	22.54	578.23	25.3	575.47	23.32	577.45	18.6	582.17	25.75	575.02	22.42	578.35
MW-10S	595.52	563.7 - 573.7	20.52	575.00	19.20	576.32	17.65	577.87	19.72	575.80	16.50	579.02	19.34	576.18	17.97	577.55	11.98	583.54	20.18	575.34	16.9	578.62
MW-10D	594.96	543.4 - 563.4	19.76	575.20	18.88	576.08	17.16	577.80	19.20	575.76	16.60	578.36	18.65	576.31	18.04	576.92	12.84	582.12	19.78	575.18	16.52	578.44
MW-11S	600.54	585.3 - 595.3	17.96	582.58	16.13	584.41	15.57	584.97	16.70	583.84	14.45	586.09	17	583.54	15.22	585.32	11.56	588.98	17.4	583.14	14.8	585.74
MW-11D	600.20	549.2 - 559.2	14.33	585.87	12.26	587.94	11.55	588.65	12.96	587.24	10.94	589.26	12.9	587.30	11.75	588.45	8.15	592.05	13.52	586.68	11.22	588.98
MW-12S	600.24	582.1 - 592.1	21.20	579.04	19.42	580.82	19.25	580.99	19.82	580.42	17.50	582.74	20.5	579.74	18.16	582.08	14.66	585.58	20.65	579.59	17.88	582.36
MW-12D	600.36	546.7 - 565.7	21.52	578.84	19.62	580.74	19.38	580.98	20.02	580.34	17.66	582.70	20.7	579.66	18.34	582.02	14.85	585.51	20.84	579.52	18.02	582.34
MW-13S	597.75	566.8 - 576.8	19.93	577.82	17.86	579.89	17.80	579.95	18.18	579.57	15.82	581.93	19.12	578.63	16.52	581.23	13	584.75	19.08	578.67	16.32	581.43
MW-13D	597.87	545.6 - 565.1	12.12	585.75	18.50	579.37	18.42	579.45	18.73	579.14	16.46	581.41	19.64	578.23	17.03	580.84	13.65	584.22	19.72	578.15	16.8	581.07
MW-14S	597.18	565.1 - 575.1	23.58	573.60	22.18	575.00	20.80	576.38	22.42	574.76	19.62	577.56	22.8	574.38	20.52	576.66	15.85	581.33	23.32	573.86	19.88	577.30
MW-14D	596.38	544.7 - 564.7	23.14	573.24	22.10	574.28	20.44	575.94	22.35	574.03	19.46	576.92	22.18	574.20	20.16	576.22	15.48	580.90	22.8	573.58	19.8	576.58
MW-15S	599.70	566.4 - 576.4	20.38	579.32	18.51	581.19	18.12	581.58	18.98	580.72	16.52	583.18	19.52	580.18	17.3	582.40	13.62	586.08	19.7	580.00	16.95	582.75
MW-15D	598.37	547.0 - 563.0	19.81	578.56	18.00	580.37	17.50	580.87	18.44	579.93	15.95	582.42	18.92	579.45	16.7	581.67	12.97	585.40	19.16	579.21	16.3	582.07
RW-1	593.60	526.5 - 574.5																				
	593.67		21.15	572.52	20.10	573.57	18.09	575.58	20.52	573.15	17.28	576.39	20.42	573.25	17.78	575.89	12.9	580.77	20.23	573.44	16.72	576.95
	593.87																					
RW-2	591.79	523.8 - 570.8																				
	591.80		19.58	572.22	17.80	574.00	16.38	575.42	18.50	573.30	15.72	576.08	18.36	573.44	16.08	575.72	11.55	580.25	18.85	572.95	15.27	576.53
	592.43																					
RW-3	595.65		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

NOTES: MSL - Mean Sea Level
DTW - Depth to Water
GWE - Ground Water Elevation
NM - Not Measured
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Table 2
Groundwater Elevations
2019 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

	Top of Casing	Screened Interval	3/19/2012		8/6/2012		12/17/2012		5/20/2013		8/19/2013		12/16/2013		3/12/2014		6/9/2014		9/22/2014		12/8/2014	
Well I.D.	Elevation (ft MSL)	Elevation (ft MSL)	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	598.15	568.5 - 578.5	16.75	581.40	19.84	578.31	17.55	580.60	18.35	579.80	18.06	580.09	17.27	580.88	13.96	584.19	17.93	580.22	21.28	576.87	20.9	577.25
MW-1D	598.05	546.7 - 567.5	16.78	581.27	19.74	578.31	17.51	580.54	18.42	579.63	18.22	579.83	17.35	580.70	13.9	584.15	17.9	580.15	21.25	576.80	20.86	577.19
MW-2S	596.95	567.1 - 577.1																				
	607.04																					
	600.11		20.18	579.93	24.7	575.41	21.1	579.01	23.2	576.91	23.37	576.74	19.98	580.13	19.92	580.19	24.94	575.17	26.4	573.71	26.35	573.76
MW-2D	596.98	535.4 - 559.8																				
	607.02																					
	600.21		20.92	579.29	23.63	576.58	21.1	579.11	22.48	577.73	22.5	577.71	21.9	578.31	18.38	581.83	22.75	577.46	25.75	574.46	25.26	574.95
MW-3S	597.43	567.3 - 577.3																				
MW-3D	597.10	545.1 - 564.1																				
MW-4S	595.34	573.6 - 583.6																				
	596.23																					
	593.96		13.96	580.00	18.14	575.82	14.52	579.44	16.54	577.42	16.52	577.44	14.78	579.18	13.17	580.79	17.53	576.43	20.12	573.84	20	573.96
MW-4D	595.44	534.1 - 563.4																				
	596.22																					
	594.11		16.18	577.93	19.17	574.94	15.98	578.13	18.7	575.41	18.42	575.69	16.58	577.53	14.66	579.45	19.98	574.13	23.11	571.00	22.65	571.46
MW-5S	594.25	566.2 - 576.2																				
	596.52																					
	592.85		15.2	577.65	18.26	574.59	14.97	577.88	17.8	575.05	17.57	575.28	15.52	577.33	13.76	579.09	19.24	573.61	22	570.85	21.86	570.99
MW-5D	594.34	542.7 - 565.4																				
	596.68																					
	593.68		16.02	577.66	18.94	574.74	15.74	577.94	18.52	575.16	18.28	575.40	16.3	577.38	14.55	579.13	19.9	573.78	23.12	570.56	22.72	570.96
MW-6S	597.11	568.2 - 578.2	13.2	583.91	21.02	576.09	16.23	580.88	18.04	579.07	18.35	578.76	17.05	580.06	18.7	578.41	22.18	574.93	23.84	573.27	23.62	573.49
MW-6D	596.73	540.3 - 567.8	19.08	577.65	21.96	574.77	18.78	577.95	21.53	575.20	21.28	575.45	19.36	577.37	18.12	578.61	23.56	573.17	26.55	570.18	26.22	570.51
MW-6DD	596.02		26.09	569.93	25.46	570.56	24.43	571.59	24.7	571.32	25.04	570.98	25.74	570.28	19.15	576.87	24.2	571.82	27.08	568.94	27.04	568.98
MW-7S	596.28	566.3 - 576.3	15.05	581.23	18.14	578.14	15.65	580.63	18.48	577.80	18.02	578.26	15.6	580.68	10.8	585.48	14.1	582.18	21.44	574.84	23.78	572.50
MW-7D	596.28	543.2 - 563.2	18.32	577.96	21.16	575.12	18.11	578.17	20.77	575.51	20.56	575.72	18.78	577.50	16.76	579.52	21.9	574.38	24.82	571.46	24.7	571.58
MW-7DD			16.66	-16.66	21.15				20.88		20.96											
MW-8S	596.67	564.4 - 574.4	16.27	580.40	18.08	578.59	16.55	580.12	19.1	577.57	18.62	578.05	17.5	579.17	14.35	582.32	17.92	578.75	21.1	575.57	20.05	576.62
MW-8D	596.86	542.8 - 561.9	19.34	577.52	22.12	574.74	19.22	577.64	21.54	575.32	21.43	575.43	19.9	576.96	17.5	579.36	22.5	574.36	25.55	571.31	25	571.86
MW-8DD			24.95	-24.95	24.63				24.28		24.58											
MW-9S	595.22	568.2 - 578.2																				
	605.28																					
	600.98		19.93	581.05	23.8	577.18	21.06	579.92	22.02	578.96	22.32	578.66	21.12	579.86	19.34	581.64	22.9	578.08	27.24	573.74	27.17	573.81
MW-9D	595.31	538.5 - 567.5																				
	605.35																					
	600.77		19.7	581.07	24.76	576.01	21.7	579.07	24.02	576.75	23.75	577.02	22.14	578.63	19.82	580.95	25.05	575.72	28.14	572.63	27.66	573.11
MW-10S	595.52	563.7 - 573.7	15.65	579.87	19.45	576.07	16.35	579.17	18.1	577.42	18.08	577.44	16.75	578.77	14.5	581.02	19.88	575.64	22.3	573.22	21.9	573.62
MW-10D	594.96	543.4 - 563.4	16.33	578.63	18.83	576.13	16.48	578.48	18.35	576.61	18.25	576.71	16.94	578.02	14.05	580.91	18.62	576.34	22.3	572.66	21.28	573.68
MW-11S	600.54	585.3 - 595.3	13.75	586.79	17.08	583.46	14.25	586.29	15.92	584.62	15.64	584.90	14.55	585.99	12.35	588.19	15.84	584.70	18.75	581.79	17.98	582.56
MW-11D	600.20	549.2 - 559.2	10.28	589.92	13.38	586.82	11.12	589.08	12.16	588.04	12.12	588.08	11.22	588.98	9.05	591.15	11.7	588.50	14.4	585.80	13.75	586.45
MW-12S	600.24	582.1 - 592.1	16.62	583.62	20.2	580.04	16.85	583.39	18.98	581.26	18.6	581.64	17.27	582.97	15.06	585.18	19.52	580.72	22.38	577.86	21.65	578.59
MW-12D	600.36	546.7 - 565.7	16.74	583.62	20.36	580.00	17	583.36	19.16	581.20	18.78	581.58	17.43	582.93	15.25	585.11	19.64	580.72	22.58	577.78	21.85	578.51
MW-13S	597.75	566.8 - 576.8	14.83	582.92	18.64	579.11	15.05	582.70	17.35	580.40	16.96	580.79	15.54	582.21	13.4	584.35	18.05	579.70	21.2	576.55	20.45	577.30
MW-13D	597.87	545.6 - 565.1	15.48	582.39	19.15	578.72	15.45	582.42	18	579.87	17.46	580.41	16.07	581.80	13.98	583.89	18.72	579.15	21.66	576.21	20.95	576.92
MW-14S	597.18	565.1 - 575.1	19.02	578.16	22.14	575.04	18.86	578.32	21.58	575.60	21.42	575.76	19.53	577.65	17.52	579.66	22.78	574.40	26.22	570.96	25.75	571.43
MW-14D	596.38	544.7 - 564.7	18.56	577.82	21.52	574.86	18.3	578.08	21.04	575.34	20.82	575.56	18.97	577.41	17.03	579.35	22.26	574.12	25.44	570.94	25.02	571.36
MW-15S	599.70	566.4 - 576.4	15.63	584.07	19.23	580.47	15.92	583.78	18	581.70	17.7	582.00	16.35	583.35	14.15	585.55	18.4	581.30	21.42	578.28	20.7	579.00
MW-15D	598.37	547.0 - 563.0	15.1	583.27	18.6	579.77	15.29	583.08	17.44	580.93	17.15	581.22	15.72	582.65	13.55	584.82	17.92	580.45	20.95	577.42	20.25	578.12
RW-1	593.60	526.5 - 574.5																				
	593.67		16.12	577.55	19.05	574.62	15.8	577.87	18.74	574.93	18.45	575.22	16.3	577.37	14.58	579.09	20.82	572.85	23.54	570.13	23.32	570.35
	593.87																					
RW-2	591.79	523.8 - 570.8																				
	591.80		14.78	577.02	17.55	574.25	14.3	577.50	17.45	574.35	17.02	574.78	14.86	576.94	12.82	578.98	18.62	573.18	21.76	570.04	21.4	570.40
	592.43																					
RW-3	595.65		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	18.22	577.43	23.67	571.98	26.8	568.85	24.25	571.40

NOTES: MSL - Mean Sea Level
DTW - Depth to Water
GWE - Ground Water Elevation
NM - Not Measured
NI - Not Installed

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Table 2
Groundwater Elevations
2019 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

	Top of Casing	Screened Interval	3/16/2015		5/7/2015		6/23/2015		9/21/2015		1/11/2016		3/28/2016		6/20/2016		9/19/2016		12/19/2016		4/10/2017	
Well I.D.	Elevation (ft MSL)	Elevation (ft MSL)	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	598.15	568.5 - 578.5	14.92	583.23	18.69	579.46	18.07	580.08	19.6	578.55	18.34	579.81	14.1	584.05	21.07	577.08	21.06	577.09	21.63	576.52	10.96	587.19
MW-1D	598.05	546.7 - 567.5	14.52	583.53	18.77	579.28	18.08	579.97	19.63	578.42	17.97	580.08	13.95	584.10	20.9	577.15	20.93	577.12	21.34	576.71	10.7	587.35
MW-2S	596.95	567.1 - 577.1																				
	607.04																					
	600.11		22.68	577.43	25.2	574.91	25.07	575.04	26.02	574.09	25.08	575.03	21.46	578.65	26.19	573.92	26.74	573.37	26.43	573.68	17.3	582.81
MW-2D	596.98	535.4 - 559.8																				
	607.02																					
	600.21		18.4	581.81	23.38	576.83	22.75	577.46	24.42	575.79	22.34	577.87	18.1	582.11	25.15	575.06	24.9	575.31	25.45	574.76	14.68	585.53
MW-3S	597.43	567.3 - 577.3																				
MW-3D	597.10	545.1 - 564.1																				
MW-4S	595.34	573.6 - 583.6																				
	596.23																					
	593.96		17.02	576.94	17.3	576.66	17.82	576.14	19.58	574.38	19.02	574.94	14.22	579.74	19.05	574.91	20.02	573.94	20.18	573.78	10.84	583.12
MW-4D	595.44	534.1 - 563.4																				
	596.22																					
	594.11		16.14	577.97	20.31	573.80	20.27	573.84	21.58	572.53	20.15	573.96	15.78	578.33	22.35	571.76	22.38	571.73	23.25	570.86	12.13	581.98
MW-5S	594.25	566.2 - 576.2																				
	596.52																					
	592.85		15.6	577.25	19.51	573.34	19.55	573.30	20.9	571.95	19.42	573.43	15.05	577.80	21.56	571.29	21.75	571.10	21.35	571.50	11.11	581.74
MW-5D	594.34	542.7 - 565.4																				
	596.68																					
	593.68		16.1	577.58	20.25	573.43	20.26	573.42	21.58	572.10	20.15	573.53	15.8	577.88	22.32	571.36	22.3	571.38	23.27	570.41	12.05	581.63
MW-6S	597.11	568.2 - 578.2	20.98	576.13	21.97	575.14	22.52	574.59	23.72	573.39	22.2	574.91	21	576.11	23.42	573.69	24	573.11	23.86	573.25	16.85	580.26
MW-6D	596.73	540.3 - 567.8	19.6	577.13	23.84	572.89	23.98	572.75	25.1	571.63	23.62	573.11	19.46	577.27	25.92	570.81	25.78	570.95	26.76	569.97	15.8	580.93
MW-6DD	596.02		20.86	575.16	25.4	570.62	25.68	570.34	26.5	569.52	24.88	571.14	21.92	574.10	27.63	568.39	27.46	568.56	28.84	567.18	19.12	576.90
MW-7S	596.28	566.3 - 576.3	10.92	585.36	19.13	577.15	19.45	576.83	19.86	576.42	17.1	579.18	9.91	586.37	19.6	576.68	19.22	577.06	19.12	577.16	10.41	585.87
MW-7D	596.28	543.2 - 563.2	18.12	578.16	22.45	573.83	22.47	573.81	23.66	572.62	22.35	573.93	18.11	578.17	24.32	571.96	24.42	571.86	25.5	570.78	14.33	581.95
MW-7DD							22.9		23.7		22.24		17.85		23.84	-23.84	23.9					
MW-8S	596.67	564.4 - 574.4	15.34	581.33	19.65	577.02	19.43	577.24	19.75	576.92	16.6	580.07	14.52	582.15	20.42	576.25	19.34	577.33	20.35	576.32	12.79	583.88
MW-8D	596.86	542.8 - 561.9	18.92	577.94	23.06	573.80	22.87	573.99	24.03	572.83	23.02	573.84	18.76	578.10	24.78	572.08	25.04	571.82	25.92	570.94	15.31	581.55
MW-8DD							25.6								27.38		27.5					
MW-9S	595.22	568.2 - 578.2																				
	605.28																					
	600.98		20.4	580.58	24.25	576.73	24.7	576.28	26.65	574.33	24.52	576.46	21.35	579.63	26.6	574.38	26.98	574.00	27.25	573.73	17.45	583.53
MW-9D	595.31	538.5 - 567.5																				
	605.35																					
	600.77		NM	NM	25.32	575.45	25.21	575.56	26.7	574.07	25.32	575.45	20.92	579.85	27.35	573.42	27.44	573.33	28.16	572.61	17.46	583.31
MW-10S	595.52	563.7 - 573.7	16.7	578.82	20.41	575.11	20.21	575.31	21.37	574.15	19.04	576.48	16.36	579.16	21.4	574.12	21.95	573.57	22.16	573.36	11.68	583.84
MW-10D	594.96	543.4 - 563.4	14.66	580.30	19.42	575.54	18.88	576.08	20.38	574.58	18.42	576.54	14.45	580.51	21.11	573.85	21.08	573.88	21.74	573.22	11.36	583.60
MW-11S	600.54	585.3 - 595.3	13.35	587.19	16.05	584.49	15.95	584.59	17.45	583.09	16.45	584.09	12.74	587.80	17.86	582.68	18.5	582.04	18.76	581.78	9.85	590.69
MW-11D	600.20	549.2 - 559.2	9.36	590.84	12.14	588.06	12.04	588.16	13.64	586.56	12.13	588.07	9.21	590.99	13.9	586.30	14.3	585.90	14.52	585.68	6.89	593.31
MW-12S	600.24	582.1 - 592.1	16.85	583.39	19.66	580.58	19.47	580.77	20.89	579.35	20.25	579.99	16.03	584.21	21.54	578.70	22.24	578.00	22.73	577.51	12.69	587.55
MW-12D	600.36	546.7 - 565.7	17.05	583.31	19.9	580.46	19.73	580.63	21.1	579.26	20.53	579.83	16.3	584.06	21.72	578.64	22.36	578.00	22.97	577.39	12.96	587.40
MW-13S	597.75	566.8 - 576.8	15.6	582.15	18.33	579.42	18.11	579.64	19.63	578.12	19.09	578.66	14.64	583.11	20.26	577.49	21.1	576.65	21.79	575.96	11.2	586.55
MW-13D	597.87	545.6 - 565.1	16.05	581.82	19	578.87	18.69	579.18	20.02	577.85	19.75	578.12	15.28	582.59	28.8	569.07	21.69	576.18	22.26	575.61	11.73	586.14
MW-14S	597.18	565.1 - 575.1	19.18	578.00	23.23	573.95	23.32	573.86	24.7	572.48	23.35	573.83	18.98	578.20	25.14	572.04	25.4	571.78	26.55	570.63	15.17	582.01
MW-14D	596.38	544.7 - 564.7	18.46	577.92	22.64	573.74	22.7	573.68	23.98	572.40	22.65	573.73	18.33	578.05	24.58	571.80	24.88	571.50	25.8	570.58	14.57	581.81
MW-15S	599.70	566.4 - 576.4	15.84	583.86	18.67	581.03	18.55	581.15	19.99	579.71	19.2	580.50	15.04	584.66	20.5	579.20	21.26	578.44	21.69	578.01	11.83	587.87
MW-15D	598.37	547.0 - 563.0	15.16	583.21	18.2	580.17	18.08	580.29	19.49	578.88	18.71	579.66	14.54	583.83	20.05	578.32	20.06	578.31	21.26	577.11	11.34	587.03
RW-1	593.60	526.5 - 574.5																				
	593.67		16.42	577.25	20.65	573.02	27.3	566.37	20.05	573.62	20.55	573.12	15.85	577.82	22.4	571.27	22.4	571.27	23.68	569.99	11.95	581.72
	593.87																					
RW-2	591.79	523.8 - 570.8																				
	591.80		14.7	577.10	18.88	572.92	18.69	573.11	22.06	569.74	18.8	573.00	14.5	577.30	20.97	570.83	20.65	571.15	21.8	570.00	10.52	581.28
	592.43																					
RW-3	595.65		20.32	575.33	23.39	572.26	25.2	570.45	26.4	569.25	21.4	574.25	20.85	574.80	21.94	573.71	NM	NM	23.88	571.77	18.0	577.65

NOTES: MSL - Mean Sea Level
DTW - Depth to Water
GWE - Ground Water Elevation
NM - Not Measured
NI - Not Installed

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Table 2
Groundwater Elevations
2019 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

	Top of Casing	Screened Interval	6/26/2017		9/11/2017		12/19/2017		3/13/2018		6/18/2018		9/17/2018		11/27/2018		3/18/2019		6/19/2019		9/23/2019	
Well I.D.	Elevation (ft MSL)	Elevation (ft MSL)	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	598.15	568.5 - 578.5	18.94	579.21	19.51	578.64	19.8	578.35	15.98	582.17	20.76	577.39	21.18	576.97	19.05	579.10	15.35	582.80	15.5	582.65	19.18	578.97
MW-1D	598.05	546.7 - 567.5	18.6	579.45	19.32	578.73	19.75	578.30	16.02	582.03	20.61	577.44	21.1	576.95	18.85	579.20	15.24	582.81	15.54	582.51	19.02	579.03
MW-2S	596.95	567.1 - 577.1																				
	607.04																					
	600.11		25.83	574.28	26	574.11	25.72	574.39	22.63	577.48	26.21	573.90	26.3	573.81	25.85	574.26	21.4	578.71	22.8	577.31	25.85	574.26
MW-2D	596.98	535.4 - 559.8																				
	607.02																					
	600.21		23.03	577.18	24.22	575.99	24.25	575.96	20.1	580.11	24.99	575.22	25.34	574.87	22	578.21	19.12	581.09	19.84	580.37	23.5	576.71
MW-3S	597.43	567.3 - 577.3																				
MW-3D	597.10	545.1 - 564.1																				
MW-4S	595.34	573.6 - 583.6																				
	596.23																					
	593.96		18.74	575.22	18.96	575.00	18.6	575.36	15.2	578.76	18.9	575.06	20.25	573.71	18.62	575.34	15.04	578.92	15.46	578.50	18.85	575.11
MW-4D	595.44	534.1 - 563.4																				
	596.22																					
	594.11		20.74	573.37	21.43	572.68	22	572.11	17.53	576.58	22.58	571.53	23.2	570.91	20.2	573.91	15.93	578.18	17.3	576.81	21.84	572.27
MW-5S	594.25	566.2 - 576.2																				
	596.52																					
	592.85		20.23	572.62	20.82	572.03	21.24	571.61	16.78	576.07	21.78	571.07	22.18	570.67	19.62	573.23	15.12	577.73	16.51	576.34	20.25	572.60
MW-5D	594.34	542.7 - 565.4																				
	596.68																					
	593.68		20.75	572.93	21.44	572.24	22.06	571.62	17.62	576.06	22.66	571.02	23.32	570.36	20.3	573.38	15.92	577.76	17.35	576.33	21.82	571.86
MW-6S	597.11	568.2 - 578.2	23.35	573.76	23.24	573.87	23.93	573.18	21.48	575.63	23.23	573.88	24.08	573.03	22.63	574.48	20.6	576.51	21.45	575.66	22.8	574.31
MW-6D	596.73	540.3 - 567.8	24.65	572.08	25.12	571.61	26.6	570.13	21.54	575.19	26.14	570.59	26.76	569.97	23.9	572.83	19.68	577.05	21.16	575.57	25.38	571.35
MW-6DD	596.02		28.11	567.91	27.4	568.62	29.34	566.68	25.83	570.19	28.36	567.66		596.02	26.68	569.34	23.7	572.32	25.78	570.24	27.98	568.04
MW-7S	596.28	566.3 - 576.3	17.42	578.86	18.88	577.40	16.73	579.55	13.47	582.81	20.94	575.34	20.17	576.11	14.3	581.98	17.91	578.37	15.85	580.43	19.46	576.82
MW-7D	596.28	543.2 - 563.2	22.58	573.70	23.48	572.80	23.9	572.38	19.67	576.61	24.85	571.43	25.33	570.95	21.99	574.29	12.52	583.76	19.24	577.04	23.74	572.54
MW-7DD																					23.39	
MW-8S	596.67	564.4 - 574.4	17.82	578.85	18.71	577.96	18.16	578.51	15.66	581.01	20.25	576.42	20.14	576.53	17.14	579.53	14.71	581.96	16.54	580.13	19.05	577.62
MW-8D	596.86	542.8 - 561.9	23.53	573.33	24.16	572.70	24.57	572.29	20.59	576.27	25.13	571.73	25.7	571.16	23.38	573.48	18.84	578.02	20.12	576.74	24.28	572.58
MW-8DD															28.38						27.84	
MW-9S	595.22	568.2 - 578.2																				
	605.28																					
	600.98		25.09	575.89	24.85	576.13	24.55	576.43	22.67	578.31	24.7	576.28	26.4	574.58	24.18	576.80	21.42	579.56	22.42	578.56	25.12	575.86
MW-9D	595.31	538.5 - 567.5																				
	605.35																					
	600.77		25.81	574.96	26.49	574.28	24.3	576.47	22.59	578.18	27.44	573.33	28	572.77	20.98	579.79	21.13	579.64	22.26	578.51	26.52	574.25
MW-10S	595.52	563.7 - 573.7	20.58	574.94	20.82	574.70	20.2	575.32	18.18	577.34	21.46	574.06	22.25	573.27	19.32	576.20	16.66	578.86	17.98	577.54	20.86	574.66
MW-10D	594.96	543.4 - 563.4	19.47	575.49	20.02	574.94	19.72	575.24	16.98	577.98	21.32	573.64	21.8	573.16	18.76	576.20	15.34	579.62	16.38	578.58	20.25	574.71
MW-11S	600.54	585.3 - 595.3	16.83	583.71	17.28	583.26	16.94	583.60	13.38	587.16	17.85	582.69	18.66	581.88	16.49	584.05	13.28	587.26	13.42	587.12	16.29	584.25
MW-11D	600.20	549.2 - 559.2	12.7	587.50	13.3	586.90	12.42	587.78	9.81	590.39	14.81	585.39	14.7	585.50	12.28	587.92	9.82	590.38	9.94	590.26	12.76	587.44
MW-12S	600.24	582.1 - 592.1	20.72	579.52	21.11	579.13	21	579.24	16.89	583.35	21.6	578.64	22.35	577.89	20.3	579.94	16.57	583.67	16.75	583.49	20.55	579.69
MW-12D	600.36	546.7 - 565.7	21	579.36	21.38	578.98	21.24	579.12	17.2	583.16	21.85	578.51	22.7	577.66	20.48	579.88	16.71	583.65	16.98	583.38	20.7	579.66
MW-13S	597.75	566.8 - 576.8	19.68	578.07	19.97	577.78	19.81	577.94	15.55	582.20	20.39	577.36	21.48	576.27	19.1	578.65	15.01	582.74	15.28	582.47	19.45	578.30
MW-13D	597.87	545.6 - 565.1	20.35	577.52	20.56	577.31	20.58	577.29	16.25	581.62	21.12	576.75	21.7	576.17	20	577.87	15.72	582.15	15.92	581.95	19.81	578.06
MW-14S	597.18	565.1 - 575.1	23.64	573.54	24.4	572.78	24.87	572.31	20.36	576.82	25.42	571.76	26.19	570.99	23.15	574.03	18.78	578.40	20.15	577.03	24.57	572.61
MW-14D	596.38	544.7 - 564.7	23.08	573.30	23.95	572.43	24.4	571.98	19.93	576.45	25	571.38	25.58	570.80	23.49	572.89	18.24	578.14	19.54	576.84	24.1	572.28
MW-15S	599.70	566.4 - 576.4	19.65	580.05	20.08	579.62	19.95	579.75	15.88	583.82	20.66	579.04	21.47	578.23	19.32	580.38	15.52	584.18	15.84	583.86	19.52	580.18
MW-15D	598.37	547.0 - 563.0	19.16	579.21	19.67	578.70	19.51	578.86	15.44	582.93	20.25	578.12	20.94	577.43	19.01	579.36	14.9	583.47	15.32	583.05	19.31	579.06
RW-1	593.60	526.5 - 574.5																				
	593.67		20.96	572.71	21.48	572.19	22.7	570.97														
	593.87								17.63	576.24	23.04	570.83	23.5	570.37	21.24	572.63	15.95	577.92	17.29	576.58	22.8	571.07
RW-2	591.79	523.8 - 570.8																				
	591.80		19.71	572.09	20.2	571.60	20.56	571.24														
	592.43								16.44	575.99	21.3	571.13	21.95	570.48	19.02	573.41	14.7	577.73	16.14	576.29	20.75	571.68
RW-3	595.65		27.3	568.37	21.68	573.97	21.9	573.75	21.7	573.95	21.9	573.75	26.55	569.10	21.9	573.75	20.75	574.90	24.35	571.30	23.8	571.85

NOTES: MSL - Mean Sea Level
DTW - Depth to Water
GWE - Ground Water Elevation
NM - Not Measured
NI - Not Installed

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Table 2
Groundwater Elevations
2019 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

	Top of Casing	Screened Interval	12/17/2019	
Well I.D.	Elevation (ft MSL)	Elevation (ft MSL)	DTW	GWE
MW-1S	598.15	568.5 - 578.5	13.44	584.71
MW-1D	598.05	546.7 - 567.5	13.22	584.83
MW-2S	596.95	567.1 - 577.1		
	607.04			
	600.11		20.28	579.83
MW-2D	596.98	535.4 - 559.8		
	607.02			
	600.21		16.8	583.41
MW-3S	597.43	567.3 - 577.3		
MW-3D	597.10	545.1 - 564.1		
MW-4S	595.34	573.6 - 583.6		
	596.23			
	593.96		13.95	580.01
MW-4D	595.44	534.1 - 563.4		
	596.22			
	594.11		14.85	579.26
MW-5S	594.25	566.2 - 576.2		
	596.52			
	592.85		14.14	578.71
MW-5D	594.34	542.7 - 565.4		
	596.68			
	593.68		14.82	578.86
MW-6S	597.11	568.2 - 578.2	19.52	577.59
MW-6D	596.73	540.3 - 567.8	18.44	578.29
MW-6DD	596.02		22.04	573.98
MW-7S	596.28	566.3 - 576.3	11.92	584.36
MW-7D	596.28	543.2 - 563.2	17.2	579.08
MW-7DD			52.38	
MW-8S	596.67	564.4 - 574.4	13.73	582.94
MW-8D	596.86	542.8 - 561.9	17.92	578.94
MW-8DD				
MW-9S	595.22	568.2 - 578.2		
	605.28			
	600.98		20.16	580.82
MW-9D	595.31	538.5 - 567.5		
	605.35			
	600.77		17.8	582.97
MW-10S	595.52	563.7 - 573.7	14.65	580.87
MW-10D	594.96	543.4 - 563.4	13.54	581.42
MW-11S	600.54	585.3 - 595.3	11.95	588.59
MW-11D	600.20	549.2 - 559.2	8.36	591.84
MW-12S	600.24	582.1 - 592.1	15.35	584.89
MW-12D	600.36	546.7 - 565.7	15.46	584.90
MW-13S	597.75	566.8 - 576.8	13.8	583.95
MW-13D	597.87	545.6 - 565.1	14.53	583.34
MW-14S	597.18	565.1 - 575.1	17.5	579.68
MW-14D	596.38	544.7 - 564.7	17.14	579.24
MW-15S	599.70	566.4 - 576.4	14.9	584.80
MW-15D	598.37	547.0 - 563.0	14.22	584.15
RW-1	593.60	526.5 - 574.5		
	593.67			
	593.87		14.98	578.89
RW-2	591.79	523.8 - 570.8		
	591.80			
	592.43		13.8	578.63
RW-3	595.65		20.9	574.75

NOTES: MSL - Mean Sea Level
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Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID Depth Interval Sample Date Sample ID	MW-1D - 12/19/2017 MW1D 121917 ug/l	MW-1D - 3/13/2018 MW1D 031318 ug/l	MW-1D - 6/19/2018 MW1D 061918 ug/l	MW-1D - 9/18/2018 MW1D 091818 ug/l	MW-1D - 11/27/2018 MW1D 112718 ug/l	MW-1D - 3/18/2019 MW1D 031819 ug/l	MW-1D - 6/20/2019 MW1D 062019 ug/l	MW-1D - 9/25/2019 MW1D 09252019 ug/l	MW-1D - 12/18/2019 MW1D 12182019 ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.47 J	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U*	1 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.79 J	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropen	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/19/2017	3/13/2018	6/19/2018	9/18/2018	11/27/2018	3/18/2019	6/20/2109	9/24/2019	12/18/2019
	Class GA	Sample ID	MW1S 121917	MW1S 031318	MW1S 061918	MW1S 091818	MW-1S-112718	MW-1S-031819	MW-1S-062019	MW-1S-092419	MW-1S-121819
	GW Stds		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	(ug.l)										
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,2-Dichloroethene (Total	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	10 U *	10 U	5 U	10 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U*	10 U	10 U	5 U	10 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	20 U	20 U	10 U	20 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	2 U *	2 U	1 U	2 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	20 U	20 U	10 U	20 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	0.44 J	0.94 J	2 U	1 U	2 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	2 U *	2 U	1 U	2 U	1 U
Trichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Vinyl chloride	2		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	4 U	4 U	2 U	4 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/21/2017	3/15/2018	6/20/2018	9/19/2018	11/29/2018	3/20/2019	6/21/2109	9/25/2019	12/18/2019
		Sample ID	MW-4D-122117	MW-4D-031518	MW-4D-062018	MW-4D-091918	MW-4D-112918	MW-4D-032019	MW-4D-062119	MW-4D-092519	MW-4D-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.58 J	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

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Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID Depth Interval Sample Date Sample ID ug/l	MW-4S - 12/21/2017 MW-4S-122117 ug/l	MW-4S - 3/15/2018 MW-4S-031518 ug/l	MW-4S - 6/19/2018 MW-4S-061918 ug/l	MW-4S - 9/19/2018 MW-4S-091918 ug/l	MW-4S - 11/27/2018 MW-4S-091918 ug/l	MW-4S - 3/20/2019 MW-4S-032019 ug/l	MW-4S - 6/21/2109 MW-4S-062119 ug/l	MW-4S - 9/25/2019 MW-4S-092519 ug/l	MW-4S - 12/19/2019 MW-4S-121919 ug/l
1,1,1-Trichloroethane	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---			---	---	---	---
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5.0 U	5.0 U			5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5.0 U	5.0 U			5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U			10 U	10 U	10 U	10 U
Benzene	1		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Bromoform	50		1 U	1.0 U	1.0 U	NOT SAMPLED	NOT SAMPLED	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1.0 U	1.0 U			1 U	1 U	0.59 J	1 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Chloroform	7		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U			10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Styrene	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Toluene	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1.0 U	1.0 U			1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2.0 U	2.0 U			2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/21/2017	3/15/2018	6/19/2018	9/19/2018	11/28/2018	3/20/2019	6/21/2019	9/25/2019	9/25/2019	12/19/2019
		Sample ID	MW-5D-122117	MW-5D-031518	MW-5D-061918	MW-5D-091918	MW-5D-112818	MW-5D-032019	MW-5D-062119	MW-5D-092519	X-1-092519	MW-5D-121919
Chemical Name	Class GA GW Standards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethan	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.42 J	0.53 J	0.49 J	0.50 J	1 U	0.52 J	0.47 J	0.56 J	0.39 J	0.39 J
1,1-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Tota	5		---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.92 J	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.69 J	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloroproper	0.4		1 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-5S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/21/2017	3/15/2018	6/19/2018	9/19/2018	11/29/2018	3/20/2019	6/21/2019	9/25/0219	12/19/2019
		Sample ID	MW-5S-122117	MW 5S 031518	MW 5S 061918	MW 5S 091918	MW-5S-112918	MW-5S-032019	MW-5S-062119	MW-5S-092519	MW-5S-121919
Chemical Name	Class GA GW Standards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		13	3.4	[9.7]	[6.8]	3.3	[5.1]	2.2	[7.3]	1 U
1,1,2,2-Tetrachloroethan	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		[86]	[14]	[67]	[60]	3.7	[9.8]	[11]	[16]	1 U
1,1-Dichloroethene	5		[8.2]	1.3	3.6	3.3	0.35 J	0.85 J	1.1	0.30 J	1 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Tota	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	3.7 J	10 U	10 U	10 U	10 U	7.2 J	10 U
Benzene	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[76]	[16]	[77]	[45]	[11]	[44]	[15]	[7.4]	1 U
cis-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1.0 U	1.0 U	1.0 U*	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.9 J	10 U
Methylene chloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.49 J	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	2.4	1 U
trans-1,2-Dichloroethene	5		4	1.0 U	0.98 J	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloroproper	0.4		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		[26]	[9.5]	[34]	[22]	[12]	[24]	[5.2]	1.3	0.51 J
Vinyl chloride	2		1 U	1.0 U	[5.2]	2.1	1 U	1 U	1.5	1.7	1 U
Xylenes, Total	5		2 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2017	3/15/2018	6/20/2018	9/19/2018	11/28/2018	3/20/2019	6/19/2019	9/24/2019	12/19/2019
		Sample ID	MW6DD 122017	MW 6DD 03151E	MW 6DD 062018	MW 6DD 091918	MW-6DD-112818	MW-6DD-032019	MW-6DD-062119	MW-6DD-092419	MW-6DD-121919
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	0.82 J	0.64 J	0.51 J	1 U	0.42 J	0.48 J	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[17]	[24]	[25]	[13]	[11]	[13]	[24]	[25]	[15]
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	0.39 J	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	0.82 J	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.0 U	[3.9]	[5.3]	[4.9]	1 U	1.2	[6.7]	[5.5]	1.5
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

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Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-6D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/217	3/14/2018	6/20/2018	9/19/2018	11/27/2018	3/20/2019	6/19/2109	9/24/2019	12/18/2019
		Sample ID	MW6D 122017	MW 6D 031418	MW 6D 062018	MW 6D 091918	MW-6D-112718	MW-6D-032019	MW-6D-061919	MW-6D-092419	MW-6D-121819
Chemical Name	Class GA GW Standards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.56 J	0.58 J	0.59 J	0.62 J	0.4 J	0.49 J	0.59 J	1 U	0.45 J
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.3	1.0	1.1	1.3	0.84 J	0.82 J	1.1	0.95 J	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.3	1.1	1.2	1.3	1 U	1 U	1 U	0.90 J	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-6S	MW-6S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/14/2017	12/20/2017	3/15/2018	6/20/2018	9/20/2018	11/29/2018	8/30/1987	6/19/2019	9/25/2019	12/18/2019
		Sample ID	MW6S 091417	MW6S 122017	MW 6S 031518	MW 6S 062018	MW 6S 092018	MW-6S-112918	MW-6S-032019	MW-6S-061919	MW-6S-092519	MW-6S-121819
Chemical Name	Class GA GW Standards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		3.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[10]	4.7	[28]	[6.3]	[15]	[13]	[39]	[27]	[9.5]	[24]
cis-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U*	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		[3.8]	1.0 U	[29]	1.0 U	[19]	[22]	[28]	[23]	[7.9]	[23]
Xylenes, Total	5		2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-7DD	MW-7DD	MW-07DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/13/2017	12/20/2017	3/14/2018	3/14/2018	6/19/2018	9/18/2018	11/28/2018	3/19/2019	6/20/2019	9/24/2019	12/18/2019
		Sample ID	MW7DD 091317	MW7DD 122017	MW 7DD 03141	X-1 031418	MW 7DD 061918	MW 7DD 091818	MW-7DD-112818	MW-7DD-031919	MW-7DD-062019	MW-7DD-092419	MW-7DD-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	Class GA GW Standards (ug/l)												
1,1,1-Trichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethan	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Tota	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.33 J B	1 U	0.46 J	1 U	1 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.59 J	1 U
trans-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropen	0.4		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	0.53 J	1.0 U	1 U	1 U	1 U	0.61 J	0.67 J
Vinyl chloride	2		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-7D	MW-07D	MW-07D	X-1	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2017	3/14/2018	6/19/2018	6/19/2018	9/18/2018	11/28/2018	3/19/2019	6/20/2019	9/24/2019	12/18/2019
		Sample ID	MW7D 122017	MW 7D 031418	MW 7D 061918	MW 7D 061918	MW 7D 091818	MW-7D-112818	MW-7D-031919	MW-7D-062019	MW-7D-092419	MW-7D-121819
Chemical Name	Class GA GW Standards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethan	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Tota	5		---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1.0 U	0.90 J	0.83 J	0.92 J	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.36 J	0.36 J	0.36 J	1.0 U	1.0 U	0.36 J	0.37 J	0.51 J*	ND	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropen	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1.1	1.1	0.80 J	0.89 J	0.98 J	0.94 J	1.1	1.6	0.72 J	0.9 J
Vinyl chloride	2		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-7S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2017	3/14/2018	6/19/2018	9/18/2018	11/28/2018	3/19/2019	3/19/2019	6/20/2019	6/20/2019	9/24/2019	12/18/2019	12/18/2019
		Sample ID	MW7S 122017	MW 7S 031418	MW 7S 061918	MW 7S 091818	MW-7S-112818	MW-7S-031919	X-1-031919	MW-7S-062019	X-1-062019	MW-7S-092419	MW-7S-121819	X-1-121819
Chemical Name	Class GA GW Standards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethan	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Tota	5		---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	3.0 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	0.28 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	0.50 J	1.0 U	0.47 J	0.39 J	0.42 J	0.5 J	0.44 J*	0.47 J*	1 U	0.46 J	0.56 J
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	0.57 J	1 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropen	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1.1	1.4	0.52 J	1.2	1.1	1.3	1.2	1.2	1.3	0.87 J	1.4	1.4
Vinyl chloride	2		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8DD	X-1	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/217	12/20/217	3/14/2018	6/19/2018	9/18/2018	11/28/2018	3/19/2019	6/20/2019	9/24/2019	12/18/2019
		Sample ID	MW-8DD-122017	MW-8DD-122017	MW 8DD 031418	MW 8DD 061918	MW 8DD 091818	MW-8DD-112818	MW-8DD-031919	MW-8DD-062019	MW-8DD-092419	MW-8DD-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	0.83 J	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U*	1 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.94 J	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2017	3/14/2018	6/19/2018	9/18/2018	11/28/2018	3/19/2019	6/20/2019	9/24/2019	12/18/2019
		Sample ID	MW-8D-122017	MW 8D 031418	MW 8D 061918	MW 8D 091818	MW-8D-112818	MW-8D-031919	MW-8D-062019	MW-8D-092419	MW-8D-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U F2	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.89 J	0.48 J	0.84 J	0.95 J	0.55 J	0.52 J	1 U	0.75 J	0.38 J
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5 U * F1	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U F2	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	0.24 J B	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U * F1	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U*	1 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U * F1	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.0 U	0.99 J	1.0	0.97 J	1 U	1.1	1 U	1.1	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/217	3/14/2018	6/19/2018	9/18/2018	11/28/2018	3/19/2019	6/20/2019	9/24/2019	12/18/2019
		Sample ID	MW8S 122017	MW 8S 031418	MW 8S 061918	MW 8S 061918	MW-8S-112818	MW-8S-031919	MW-8S-062019	MW-8S-092419	MW-8S-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	2.1	2.6	3.2	2	1.9	2.3	2.2	2.5
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.86 J	0.65 J	0.53 J	0.58 J	0.66 J	0.76 J	0.67 J*	1 U	0.7 J
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.75 J	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		3.3	2.6	2.4	2.9	2.7	3.1	2.8	1.7	3.4
Vinyl chloride	2		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID Depth Interval Sample Date Sample ID ug/l	MW-10D - 12/21/2017 MW10D 122117 ug/l	MW-10D - 3/15/2018 MW 10D 031518 ug/l	MW-10D - 6/20/2018 MW 10D 062018 ug/l	MW-10D - 9/19/2018 MW 10D 091918 ug/l	MW-10D - 11/28/2018 MW-10D-112818 ug/l	MW-10D - 3/20/219 MW-10D-031919 ug/l	MW-10D - 6/20/2019 MW-10D-062019 ug/l	MW-10D - 9/25/2019 MW-10D-092519 ug/l	MW-10D - 12/19/2019 MW-10D-121919 ug/l
1,1,1-Trichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethan	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Tota	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	3.0 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.38 J	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U*	1 U	1 U
Toluene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.56 J	1 U
trans-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 UF1	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropen	0.4		1 U	1.0 U	1.0 U	1.0 UF1	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 3
2017-2019 Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/21/2017	3/15/2018	6/20/2018	9/19/2018	9/19/2018	11/28/2018	11/28/2018	3/20/219	6/20/2019	9/25/2019	12/19/2019
		Sample ID	MW10S 122117	MW 10S 031518	MW 10S 062018	MW 10S 091918	X-1	MW-10S-112818	X-1-112818	MW-10S-032019	MW-10S-062019	MW-10S-092519	MW-10S-121919
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethan	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Tota	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5.0 U	5.0 U	5.0 U*	5.0 U*	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		3.3	2.9	[12]	[37]	[30]	1	1.1	1 U	1 U	[20]	1 U
cis-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U*	1 U	1 U
Toluene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	0.59 J	1 U
trans-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropen	0.4		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1.0 U	[2.3]	[4.9]	[4.0]	1 U	1 U	1 U	1 U	[3.5]	1 U
Xylenes, Total	5		2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:

U - not detected, J - estimated, B - compound found in the blank and sample, D - Diluted Result, H - Holding time exceeded

R - unusable, NS - no standard, Dup - duplicate sample, * - LCS or LCSD exceeds control limits, '--- Not Analyzed

^ - instrument QC exceeds control limits, F - MS and/or MSD recovery/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.

Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/11/1995	11/13/1995	7/22/1997	9/15/1997	2/14/2000	8/13/2001	11/26/2001	2/25/2002	2/25/2002	5/13/2002	5/13/2002
	Class GA	Sample ID	MW-01D_WG_091195	MW-01D_WG_111395	MW-01D_WG_072297	MW-01D_WG_091597	MW-01D_WG_021400	MW-01D_WG_081301	MW-01D_WG_112601	MW-01D_WG_022502	V-01D_WG_022502_D	MW-01D_WG_051302	V-01D_WG_051302_D
	GW Stds		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	(ug.l)												
1,1,1-Trichloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5		10 U	10 U	1 U	1 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		10 U	10 U	1 U	1 U	---	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		12	10 U	2 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		2	10 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	0.5 J	0.5 U	0.2 J	0.1 J	0.1 J	0.1 J	0.5 U
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		13 U	10 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	2/3/2004	5/18/2004	8/5/2004	11/16/2004	2/16/2005	4/18/2005	9/7/2005	11/15/2005	4/26/2006	11/14/2006	39203.68056
		Sample ID	MW-01D_WG_020304	MW-01D_WG_051804	MW-01D_WG_080504	MW-01D_WG_111604	MW-01D_WG_021605	MW-01D_WG_041805	MW-1D_09072005	MW-1D_11152005	MW-1D_04262006	MW-1D_11142006	MW-1D_050107
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	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	0.5 U
1,1,2,2-Tetrachloroethane	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	0.5 U
1,1,2-Trichloroethane	1		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	0.5 U
1,1-Dichloroethane	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	0.5 U
1,1-Dichloroethene	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	0.5 U
1,2-Dichloroethane	0.6		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	0.5 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		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	0.5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U
Acetone	50		10 U	1 J	10 U	10 U	2 J	10 U	1.48 J	10 U	10 U	10	10 U
Benzene	1		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	0.5 U
Bromodichloromethane	50		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	0.5 U
Bromoform	50		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	0.5 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Carbon disulfide	60		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	0.5 U
Carbon tetrachloride	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	0.5 U
Chlorobenzene	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	0.5 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Chloroform	7		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	0.5 U
cis-1,2-Dichloroethene	5		0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.11 J	0.12 J	0.13 J	0.11 J
cis-1,3-Dichloropropene	0.4		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]	0.5 U
Dibromochloromethane	50		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	0.5 U
Ethylbenzene	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	0.5 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.16 J	2	2 U
Styrene	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	0.5 U
Tetrachloroethene	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	0.5 U
Toluene	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	0.5 U
trans-1,2-Dichloroethene	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	0.5 U
trans-1,3-Dichloropropene	0.4		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]	0.5 U
Trichloroethene	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	0.5 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1	1 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-1D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	
		Sample Date	39384.56944	05/21/2008	11/18/2008	10/19/2009	5/18/2010	1/19/2011	4/18/2011	7/26/2011	10/25/2011	3/20/2012	8/7/2012
		Sample ID	MW-1D-102907	MW-1D-052108	MW-1D	W-1D-101909101920	W-1D-051810051820:	MW-1D-01192011	MW-1D-041811	MW-1D072611	MW1D102511	MW1D032012	MW1D080712
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	0.61 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	X-1	X-1	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-ID	MW-1D	MW-1D	MW-1D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	8/7/2012	6/10/2014	12/18/2012	5/21/2013	8/19/2013	12/19/2013	3/25/2014	6/9/2014	9/23/2014	12/9/2014	3/16/2015
		Sample ID	MW1D080712	MWID061014	MW-1D-121812	MW-1D-052113	MW-1D-081913	MW-1D-121913	MW-1D-032514	MW-ID-060914	MW1D092314	MW 1D 120914	MW1D 031615
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
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Groundwater Data - VOCs
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Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-1D	X-1	MW-1D	MW-1D	X-1	MW-1D	MW-1D	MW-1D	MW-1D	X-1	MW-1D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	6/23/2015	6/23/2015	9/21/2015	1/12/2016	1/12/2016	3/28/2016	6/21/2016	9/20/2016	12/20/2016	12/20/2016	4/11/2017
		Sample ID	MW1D 062315	MW1D 062315	MW1D 092115	MW1D 011216	MW1D 011216	MW1D 032816	MW1D 062116	MW1D 092016	MW1D 122016	MW1D 122016	MW1D 04112017
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	----	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U *	10 U *	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.22 J
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	6/28/2017	9/12/2017	12/19/2017	3/13/2018	6/19/2018	9/18/2018	11/27/2018	3/18/2019	6/20/2019	9/25/2019	12/18/2019
		Sample ID	MW1D 062817	MW1D 091217	MW1D 121917	MW1D 031318	MW1D 061918	MW1D 091818	MW1D 112718	MW1D 031819	MW1D 062019	MW1D 09252019	MW1D 12182019
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.47 J	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U*	1 U	1 U*
Toluene	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.79 J	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/11/1995	11/13/1995	7/22/1997	9/15/1997	2/14/2000	8/13/2001	11/26/2001	11/26/2001	2/25/2002	5/13/2002	2/3/2004
		Sample ID	MW-01S_WG_091195	MW-01S_WG_111395	MW-01S_WG_072297	MW-01S_WG_091597	MW-01S_WG_021400	MW-01S_WG_081301	MW-01S_WG_112601	V-01S_WG_112601_D	MW-01S_WG_022502	MW-01S_WG_051302	MW-01S_WG_020304
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		10 U	10 U	1 U	1 U	---	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 U	10 U	2 U	2 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	2 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		1	10 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5		10 U	10 U	1 U	1 U	1 U	0.3 J	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	4 U	4 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		12 U	10 U	1 U	1 U	2 U	2 J	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	5/18/2004	8/5/2004	11/16/2004	2/16/2005	4/18/2005	9/7/2005	11/15/2005	4/26/2006	11/14/2006	05/01/2007	10/29/2007
		Sample ID	MW-01S_WG_051804	MW-01S_WG_080504	MW-01S_WG_111604	MW-01S_WG_021605	MW-01S_WG_041805	MW-1S_09072005	MW-1S_11152005	MW-1S_04262006	MW-1S_11142006	MW-1S_050107	MW-1S-102907
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	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	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	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	0.5 U	0.5 U
1,1,2-Trichloroethane	1		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	0.5 U	0.5 U
1,1-Dichloroethane	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	0.5 U	0.5 U
1,1-Dichloroethene	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	0.5 U	0.5 U
1,2-Dichloroethane	0.6		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	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		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	0.5 U	0.5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U	5 U
Acetone	50		1 J	1 J	10 U	3 J	10 U	2.28 J	10 U	10 U	1.07 J	10 U	1.19 J
Benzene	1		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	0.5 U	0.5 U
Bromodichloromethane	50		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	0.5 U	0.5 U
Bromoform	50		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	0.5 U	0.5 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
Carbon disulfide	60		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	0.5 U	0.5 U
Carbon tetrachloride	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	0.5 U	0.5 U
Chlorobenzene	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	0.5 U	0.5 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
Chloroform	7		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	0.5 U	0.5 U
cis-1,2-Dichloroethene	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	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4		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]	0.5 U	0.5 U
Dibromochloromethane	50		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	0.5 U	0.5 U
Ethylbenzene	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	0.5 U	0.5 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	10 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.12 J	2	2 U	0.11 J
Styrene	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	0.5 U	0.5 U
Tetrachloroethene	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	0.5 U	0.5 U
Toluene	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	0.5 U	0.5 U
trans-1,2-Dichloroethene	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	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		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]	0.5 U	0.5 U
Trichloroethene	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	0.5 U	0.5 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1	1 U	1 U

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		Depth Interva	-	-	-	-	-	-	-	-	-	-	
		Sample Date	5/21/2008	5/21/2008	11/18/2008	10/19/2009	5/18/2010	1/19/2011	4/18/2011	7/26/2011	10/25/2011	3/20/2012	8/7/2012
		Sample ID	BLIND DUP	MW-1S-052108	MW-1S	W-1S-101909101920	W-1S-051810051820	MW-1S-01192011	MW-1S-041811	MW-1S072611	MW1S102511	MW1S032012	MW1S080712
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	0.69 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 U	0.5 U	0.5 U	1.9	1 U	1 U	1 U	0.83 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1 U	1 U	1 U	0.67 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/18/2012	5/21/2013	8/19/2013	12/18/2013	3/25/2014	6/9/2014	9/23/2014	12/9/2014	3/16/2015	6/23/2015	9/21/2015
		Sample ID	MW-1S-121812	MW-1S-052113	MW-1S-081913	MW-1S-121813	MW-1S-032514	MW-1S-060914	MW1S092314	MW 1S 120914	MW1S 031615	MW1S 062315	MW1S 092115
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U *	1 U	1 U	1 U	1 U*	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	0.56 JB	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

RAMBOLL

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	X-1	MW-1S	MW-1S	MW-1S	X-1	MW-1S	MW-1S	MW-1S	X-1	MW-1S	MW-1S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/21/2015	1/12/2016	3/28/2016	6/21/2016	6/21/2016	9/20/2016	12/20/2016	4/11/2017	4/11/2017	6/28/2017	9/12/2017
		Sample ID	MW1S 092115	MW1S 011216	MW1S 032816	MW1S 062116	MW1S 062116	MW1S 092016	MW1S 122016	MW1S 04112017	MW1S 04112017	MW1S 062817	MW1S 091217
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	----	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-1S	MW-01S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S
		Depth Interva	-	-	-	-	-	-	-	-	-
		Sample Date	12/19/2017	3/13/2018	6/19/2018	9/18/2018	11/27/2018	3/18/2019	6/20/2109	9/24/2019	12/18/2019
		Sample ID	MW1S 121917	MW 1S 031318	MW1S 061918	MW1S 091818	MW-1S-112718	MW-1S-031819	MW-1S-062019	MW-1S-092419	MW-1S-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	10 U *	10 U	5 U	10 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U*	10 U	10 U	5 U	10 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	20 U	20 U	10 U	20 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	2 U *	2 U	1 U	2 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	20 U	20 U	10 U	20 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	0.44 J	0.94 J	2 U	1 U	2 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	2 U *	2 U	1 U	2 U	1 U
Trichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Vinyl chloride	2		1.0 U	1.0 U	1.0 U	1.0 U	2 U	2 U	1 U	2 U	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	4 U	4 U	2 U	4 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

RAMBOLL

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)		Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D
			Depth Interva	-	-	-	-	-	-	-	-	-	-	-
			Sample Date	9/14/1995	11/13/1995	7/24/1997	7/24/1997	9/17/1997	2/17/2000	8/15/2001	11/29/2001	2/28/2002	5/14/2002	7/30/2003
			Sample ID	MW-04D_WG_091495	MW-04D_WG_111395	MW-04D_WG_072497	V-04D_WG_072497_D	MW-04D_WG_091797	MW-04D_WG_021700	MW-04D_WG_081501	MW-04D_WG_112901	MW-04D_WG_022802	MW-04D_WG_051402	MW-04D_WG_073003
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			10 U	10 U	1 U	1 U	0.3	[11]	0.6	2	2	2	0.5 U
1,1,2,2-Tetrachloroethane	5			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5			3	2	3.2	3.4	3.5	[30]	4	[14]	[18]	[19]	0.8
1,1-Dichloroethene	5			10 U	10 U	1 U	1 U	1 U	0.7	0.5 U	0.2 J	0.2 J	0.2 J	0.5 U
1,2-Dichloroethane	0.6			10 U	10 U	1 U	1 U	1 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5			10 U	10 U	1.1	1.4	1.5	---	---	---	---	---	---
1,2-Dichloropropane	1			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50			10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50			10 U	10 U	2 U	2 U	2 U	10 U	10 U	10 U	10 U	10 U	1 J
Benzene	1			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5			10 U	10 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5			10 U	10 U	1 U	1 U	1 U	0.5 J	1 U	0.4 J	0.5 J	0.5 J	1 U
Chloroform	7			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5			---	---	---	---	---	[11]	0.8	2	3	3	0.9
cis-1,3-Dichloropropene	0.4			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5			10 U	10 U	1 U	1 U	1 U	0.2 J	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			10 U	10 U	4 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			10 U	10 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5			---	---	---	---	---	0.9	0.5 U	0.3 J	0.3 J	0.3 J	0.5 U
trans-1,3-Dichloropropene	0.4			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5			10 U	10 U	1 U	1 U	1 U	0.4 J	0.5 U	0.1 J	0.1 J	0.1 J	0.5 U
Vinyl chloride	2			10 U	10 U	[2.4]	[2.6]	[3.1]	[20]	1	[5]	[6]	[7]	1
Xylenes, Total	5			10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	2/5/2004	5/19/2004	8/5/2004	11/17/2004	2/15/2005	4/20/2005	9/7/2005	11/16/2005	4/27/2006	11/15/2006	5/3/2007
		Sample ID	MW-04D_WG_020504	MW-04D_WG_051904	MW-04D_WG_080504	MW-04D_WG_111704	MW-04D_WG_021505	MW-04D_WG_042005	MW-4D_09072005	MW-4D_11162005	MW-4D_04272006	MW-4D_11152006	MW-4D_050307
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	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	0.5 U
1,1,2,2-Tetrachloroethane	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	0.5 U
1,1,2-Trichloroethane	1		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	0.5 U
1,1-Dichloroethane	5		0.5	0.3 J	0.3 J	0.3 J	0.3 J	0.2 J	0.23 J	0.34 J	0.21 J	0.5	0.11 J
1,1-Dichloroethene	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	0.5 U
1,2-Dichloroethane	0.6		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	0.5 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		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	0.5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U
Acetone	50		10 U	10 U	2 J	10 U	3 J	10 U	1.44 J	10 U	1.18 J	10	10 U
Benzene	1		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	0.5 U
Bromodichloromethane	50		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	0.5 U
Bromoform	50		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	0.5 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 J	0.5	0.5 U
Carbon tetrachloride	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	0.5 U
Chlorobenzene	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	0.5 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Chloroform	7		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	0.5 U
cis-1,2-Dichloroethene	5		0.8	0.4 J	0.3 J	0.4 J	0.5 J	0.2 J	0.31 J	0.42 J	0.58	0.5	0.13 J
cis-1,3-Dichloropropene	0.4		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]	0.5 U
Dibromochloromethane	50		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	0.5 U
Ethylbenzene	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	0.5 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2	2 U
Styrene	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	0.5 U
Tetrachloroethene	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	0.5 U
Toluene	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	0.5 U
trans-1,2-Dichloroethene	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	0.5 U
trans-1,3-Dichloropropene	0.4		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]	0.5 U
Trichloroethene	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	0.18 J	0.5	0.5 U
Vinyl chloride	2		0.8 J	0.6 J	0.4 J	0.4 J	0.5 J	0.2 J	1 U	0.46 J	0.12 J	1	1 U
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1	1 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-4D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-	
		Sample Date	10/31/2007	5/23/2008	11/19/2008	10/21/2009	5/19/2010	1/20/2011	4/21/2011	7/28/2011	10/26/2011	3/22/2012	8/9/2012	
		Sample ID	MW 4-D-103107	MW-4D-052208	MW-4D	W-4D-102109102120	W-4D-051910051920	MW-4D-01202011	MW-4D-042111	MW-4D 072811	MW4D102611	MW4D032212	MW4D080912	
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 HU	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.5 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.16 JH	0.5 U	0.12 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 HU	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 HU	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 HU	0.5 U	0.5 U	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1 HU	1 U	1 U	0.67 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2012	5/22/2013	8/21/2013	12/19/2013	3/27/2014	6/10/2014	9/25/2014	12/9/2014	3/17/2015	6/23/2015	9/22/2015
		Sample ID	MW-4D-122012	MW-4D-052213	MW-4D-082113	MW-4D-121913	MW-4D-032714	MW-4D-061014	MW 4D 092514	MW 4D 120914	MW4D 031715	MW4D 062315	MW4D 092215
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U*	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U*	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-04D	MW-4D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	1/12/2016	3/30/2016	6/21/2016	9/20/2016	12/21/2016	4/13/2017	6/28/2017	9/14/2017	12/21/2017	3/15/2018	6/20/2018
		Sample ID	MW4D 011216	MW-4D-033016	MW-4D-062116	MW-4D-092016	MW-4D-122116	MW-4D-041317	MW-4D-062817	MW-4D-091417	MW-4D-122117	MW 4D 031518	MW-4D-062018
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	5		---	----	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
Acetone	50		10 U *	10 U*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D
		Depth Interva	-	-	-	-	-	-
		Sample Date	9/19/2018	11/29/2018	3/20/2019	6/21/2109	9/25/2019	12/18/2019
		Sample ID	MW-4D-091918	MW-4D-112918	MW-4D-032019	MW-4D-062119	MW-4D-092519	MW-4D-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1 U	1 U	1 U	0.58 J	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/14/1995	11/13/1995	7/24/1997	9/17/1997	9/17/1997	2/17/2000	8/15/2001	11/29/2001	2/28/2002	5/14/2002	7/31/2003
	Class GA	Sample ID	MW-04S_WG_091495	MW-04S_WG_111395	MW-04S_WG_072497	MW-04S_WG_091797	V-04S_WG_091797_D	MW-04S_WG_021700	MW-04S_WG_081501	MW-04S_WG_112901	MW-04S_WG_022802	MW-04S_WG_051402	MW-04S_WG_073103
	GW Stds		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	(ug.l)												
1,1,1-Trichloroethane	5		10 U	10 U	1 U	1 U	1 U	0.2 J	0.5 U	0.2 J	0.1 J	0.2 J	0.5 U
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	1 U	1 U	1 U	0.4 J	0.3 J	0.4 J	0.3 J	0.5 J	0.2 J
1,1-Dichloroethene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		10 U	10 U	1 U	1 U	1 U	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	2 U	2 U	2 U	10 U	10 J	10 U	10 U	10 U	1 J
Benzene	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J
Bromodichloromethane	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		10 U	10 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	---	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.1 J
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J
Methyl chloride	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	4 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		10 U	10 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6
trans-1,2-Dichloroethene	5		---	---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	1 U	0.2 J	0.5 U	0.1 J	0.1 J	0.2 J	0.5 U
Vinyl chloride	2		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

RAMBOLL

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	2/6/2004	5/19/2004	8/5/2004	11/17/2004	2/15/2005	4/19/2005	9/7/2005	11/16/2005	4/27/2006	11/16/2006	5/3/2007
		Sample ID	MW-04S_WG_020604	MW-04S_WG_051904	MW-04S_WG_080504	MW-04S_WG_111704	MW-04S_WG_021505	MW-04S_WG_041905	MW-4S_09072005	MW-4S_11162005	MW-4S_04272006	MW-4S_11162006	MW-4S_050307
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	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	0.5 U
1,1,2,2-Tetrachloroethane	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	0.5 U
1,1,2-Trichloroethane	1		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	0.5 U
1,1-Dichloroethane	5		0.1 J	0.5 U	0.2 J	0.2 J	0.2 J	0.2 J	0.18 J	0.11 J	0.5 U	0.15 J	0.13 J
1,1-Dichloroethene	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	0.5 U
1,2-Dichloroethane	0.6		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	0.5 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		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	0.5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U
Acetone	50		1 J	1 J	10 U	1 J	3 J	10 U	2.61 J	10 U	10 U	1.07 J	10 U
Benzene	1		0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.5 U
Bromodichloromethane	50		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	0.5 U
Bromoform	50		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	0.5 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U
Carbon tetrachloride	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	0.5 U
Chlorobenzene	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	0.5 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Chloroform	7		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	0.5 U
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.11 J	0.5 U	0.1 J	0.5 U
cis-1,3-Dichloropropene	0.4		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]	0.5 U
Dibromochloromethane	50		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	0.5 U
Ethylbenzene	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	0.5 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.12 J	2 U	2	2 U
Styrene	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	0.5 U
Tetrachloroethene	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	0.5 U
Toluene	5		0.3 J	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.13 J	0.5 U	0.5 U	0.5	0.5 U
trans-1,2-Dichloroethene	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	0.5 U
trans-1,3-Dichloropropene	0.4		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	0.5 U
Trichloroethene	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]	0.5 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Xylenes, Total	5		0.2 J	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.1 J	1 U	1 U	1	1 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-4S
		Depth Interva	-	-	-	-	-	-	-	-		-	
		Sample Date	10/31/2007	5/22/2008	11/18/2008	10/21/2009	5/19/2010	1/20/2011	4/21/2011	7/28/2011	10/27/2011	3/22/2012	8/9/2012
		Sample ID	MW 4-S-103107	MW-4S-052208	MW-4S	W-4S-102109102120	W-4S-051910051920	MW-4S-01202011	MW-4S-042111	MW-4S 072811	MW4S102711	MW4S032212	MW4S080912
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.11 JH	0.5 U	0.18 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		1.28 JH	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	3.4 J	10 U
Benzene	1		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.5 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.11 JH	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 HU	1 U	1 U	1 U	1 U	0.55 J	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 HU	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 HU	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1 HU	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2012	5/22/2013	8/22/2013	12/19/2013	3/27/2014	6/11/2014	9/24/2014	12/10/2014	3/18/2015	6/25/2015	9/23/2015
		Sample ID	MW-4S-122012	MW-4S-052213	MW-4S-082213	MW-4S-121913	MW-4S-032714	MW-4S-061114	MW-4S-092414	MW 4S 121014	MW4S031815	MW4S062515	MW4S 092315
			ug/l	ug/l	ug/l	ug/l	ug/l			ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U*	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U*	5 U	---	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	---	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	3.2 J	---	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U*	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U*	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	---	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 I	---	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	---	2 U	2 U	2 U	2 U

NOTES:
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Data have not been validated

RAMBOLL

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-04S	MW-4S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	1/13/2016	3/30/2016	6/21/2016	9/21/2016	12/21/2016	4/13/2017	6/28/2017	9/14/2017	12/21/2017	3/15/2018	6/19/2018
		Sample ID	MW4S 011316	MW-4S-033016	MW-4S-062116	MW-4S-092116	MW-4S-122116	MW-4S-041317	MW-4S-062817	MW-4S-091417	MW-4S-122117	MW 4S 031518	MW-4S-061918
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	5		---	----	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
Acetone	50		10 U *	10 U*	10 U	10 U	10 U	10 U	3.5 J	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S
		Depth Interva	-	-	-	-	-	-
		Sample Date	9/19/2018	11/27/2018	3/20/2019	6/21/2109	9/25/2019	12/19/2019
		Sample ID	MW-4S-091918	MW-4D-091918	MW-4D-032019	MW-4S-062119	MW-4S-092519	MW-4S-121919
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5				1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5				1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1				1 U	1 U	1 U	1 U
1,1-Dichloroethane	5				1 U	1 U	1 U	1 U
1,1-Dichloroethene	5				1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6				1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5				---	---	---	---
1,2-Dichloropropane	1				1 U	1 U	1 U	1 U
2-Hexanone	50				5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS				5 U	5 U	5 U	5 U
Acetone	50				10 U	10 U	10 U	10 U
Benzene	1				1 U	1 U	1 U	1 U
Bromodichloromethane	50				1 U	1 U	1 U	1 U
Bromoform	50		NOT SAMPLED	NOT SAMPLED	1 U	1 U	1 U	1 U
Bromomethane	5				1 U	1 U	1 U	1 U
Carbon disulfide	60				1 U	1 U	0.59 J	1 U
Carbon tetrachloride	5				1 U	1 U	1 U	1 U
Chlorobenzene	5				1 U	1 U	1 U	1 U
Chloroethane	5				1 U	1 U	1 U	1 U
Chloroform	7				1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5				1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4				1 U	1 U	1 U	1 U
Dibromochloromethane	50				1 U	1 U	1 U	1 U
Ethylbenzene	5				1 U	1 U	1 U	1 U
Methyl chloride	5				1 U	1 U	1 U	1 U
Methyl ethyl ketone	50				10 U	10 U	10 U	10 U
Methylene chloride	5				1 U	1 U	1 U	1 U
Styrene	5				1 U	1 U	1 U	1 U
Tetrachloroethene	5				1 U	1 U	1 U	1 U
Toluene	5				1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5				1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4				1 U	1 U	1 U	1 U
Trichloroethene	5				1 U	1 U	1 U	1 U
Vinyl chloride	2				1 U	1 U	1 U	1 U
Xylenes, Total	5				2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/13/1995	11/14/1995	7/24/1997	9/16/1997	2/17/2000	8/14/2001	11/29/2001	2/27/2002	5/15/2002	7/30/2003	2/6/2004
		Sample ID	MW-05D_WG_091395	MW-05D_WG_111495	MW-05D_WG_072497	MW-05D_WG_091697	MW-05D_WG_021700	MW-05D_WG_081401	MW-05D_WG_112901	MW-05D_WG_022702	MW-05D_WG_051502	MW-05D_WG_073003	MW-05D_WG_020604
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		[5]	[12]	[17]	[22]	[11]	[8]	[8]	[6]	[5]	3	2
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		[8]	[13]	[26]	[33]	[20]	[19]	[18]	[17]	[17]	[6]	[5]
1,1-Dichloroethene	5		10 U	10 U	1.1	1.8	0.9	0.4 J	0.5	0.4 J	0.4 J	0.3 J	0.3 J
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		21	68	[63.2]	[101.8]	---	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	2 U	2 U	10 U	10 J	10 U	10 U	10 U	1 J	10 U
Benzene	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		10 U	10 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	0.6 J	0.3 J	0.4 J	0.4 J	0.4 J	1 U	1 U
Chloroform	7		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	[37]	[30]	[40]	[28]	[24]	[17]	[13]
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		0.6	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		10 U	10 U	1 U	1 U	2 U	2 J	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	0.6	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		2	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	1	0.3 J	0.4 J	0.3 J	0.3 J	0.3 J	0.2 J
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		1	4	2.7	3.5	2	0.6	0.7	0.6	0.6	0.3 J	0.3 J
Vinyl chloride	2		[15]	[44]	[57]	[84]	[30]	[30]	[33]	[21]	[20]	[13]	[9]
Xylenes, Total	5		3	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	5/19/2004	8/5/2004	11/17/2004	2/16/2005	4/20/2005	9/7/2005	11/15/2005	4/27/2006	11/14/2006	5/2/2007	10/30/2007
		Sample ID	MW-05D_WG_051904	MW-05D_WG_080504	MW-05D_WG_111704	MW-05D_WG_021605	MW-05D_WG_042005	MW-5D_09072005	MW-5D_11152005	MW-5D_04272006	MW-5D_11142006	MW-5D_050207	MW 5 D-103007
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1	0.9	1	0.6	0.6	0.5 J	0.42 J	0.3 J	0.22 J	0.19 J	0.11 JH
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
1,1-Dichloroethane	5		3	3	4	2	3	2.4	2.42	1.9	1.49	1.32	1.08 H
1,1-Dichloroethene	5		0.5 U	0.1 J	0.2 J	0.1 J	0.1 J	1 U	0.1 J	0.5 U	0.5	0.5 U	0.5 HU
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5	5 U	5 HU
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5	5 U	5 HU
Acetone	50		2 J	4 J	10 U	3 J	10 U	2.2 J	10 U	10 U	10	10 U	10 HU
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Bromoform	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1	1 U	1 HU
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1	1 U	1 HU
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
cis-1,2-Dichloroethene	5		[7]	[6]	[8]	4	4	4.6	4.39	3.46	3.05	2.93	2.28 H
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	[0.5]	0.5 U	0.5 HU
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1	1 U	1 HU
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10	10 U	10 HU
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	0.56 J	2 U	2 U	2	2 U	2 HU
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Toluene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
trans-1,2-Dichloroethene	5		0.1 J	0.1 J	0.5 U	0.1 J	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	[0.5]	0.5 U	0.5 HU
Trichloroethene	5		0.2 J	0.1 J	0.2 J	0.1 J	0.1 J	1 U	0.13 J	0.1 J	0.5	0.13 J	0.5 HU
Vinyl chloride	2		[5]	[4]	[5]	[3]	[3]	[3.08]	[2.86]	[2.39]	1.87	1.8	1.66 H
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1 U	1 U	1	1 U	1 HU

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Data have not been validated

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Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW tandards (ug/l)		Location ID	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-5D	MW-5D
			Depth Interva	-	-	-	-	-	-	-	-	-	-	-
			Sample Date	5/23/2008	11/19/2008	10/21/2009	5/19/2010	1/20/2011	4/20/2011	7/28/2011	10/27/2011	3/22/2012	8/9/2012	12/19/2012
			Sample ID	MW-5D-052208	MW-5D	W-5D-102109102120	W-5D-051910051920	MW-5D-01202011	MW-5D-042011	MW-5D 072811	MW5D102711	MW5D032212	MW5D080912	MW-5D-121912
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			0.5 U	0.15 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5			1.16	1.3	1.1	0.87 J	1	0.85 J	0.8 J	0.69 J	0.85 J	0.83 J	0.77 J
1,1-Dichloroethene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5			---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50			10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5			2.72	2.63	2.5	1.7	2.1	1.6	1.5	1.4	1.4	1.5	1.5
cis-1,3-Dichloropropene	0.4			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5			1 U	1 U	1 U	1 U	0.75 J	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2			[2.47]	[2.17]	[2.9]	1.2	1.8	1.3	0.93 J	0.92 J	1.3	1.1	1 U
Xylenes, Total	5			1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW tandards (ug/l)	Location ID	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	5/22/2013	8/21/2013	12/19/2013	3/27/2014	6/10/2014	9/25/2014	12/9/2014	3/17/2015	6/25/2015	9/22/2015	1/13/2016
		Sample ID	MW-5D-052213	MW-5D-082113	MW-5D-121913	MW-5D-032714	MW-5D-061014	MW 5D 092514	MW 5D 120914	MW5D 031715	MW 5D 062515	MW5D 092215	MW5D 011316
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.59 J	0.62 J	0.79 J	0.55 J	0.62 J	0.49 J	1 U	1 U	0.57 J	0.55 J	0.6 J
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U*	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U *
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1	1.4	0.97 J	0.92 J	1 U	1 U	1 U	1 U	1 U	0.92 J
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	0.94 J	0.94 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-5D	MW-5D	MW-5D	X-1	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-05D	MW-5D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	3/30/2016	6/21/2016	9/20/2016	9/20/2016	12/21/2016	4/12/2017	6/27/2017	9/14/2017	12/21/2017	3/15/2018	6/19/2018
		Sample ID	MW-5D-033016	MW-5D-062116	MW-5D-092016	MW-5D-092016	MW-5D-122116	MW-5D-041217	MW-5D-062717	MW-5D-091417	MW-5D-122117	MW 5D 031518	MW-5D-061918
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1-Dichloroethane	5		0.6 J	0.58 J	0.58 J	0.54 J	0.5 J	0.56 J	0.46 J	0.51 J	0.42 J	0.53 J	0.49 J
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	5		----	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
Acetone	50		10 U*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D	MW-5D
		Depth Interv	-	-	-	-	-	-	-
		Sample Date	9/19/2018	11/28/2018	3/20/2019	6/21/2019	9/25/2019	9/25/2019	12/19/2019
		Sample ID	MW-5D-091918	MW-5D-112818	MW-5D-032019	MW-5D-062119	MW-5D-092519	X-1-092519	MW-5D-121919
	Class GA GW		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	tandards (ug/l)								
1,1,1-Trichloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.50 J	1 U	0.52 J	0.47 J	0.56 J	0.39 J	0.39 J
1,1-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5 U *	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U*	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1 U	1 U	1 U	0.92 J	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1 U *	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1 U	1 U	1 U	0.69 J	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1 U *	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	09/14/1995	11/14/1995	7/24/1997	9/16/1997	2/17/2000	2/17/2000	8/14/2001	11/29/2001	2/27/2002	5/15/2002	7/30/2003
		Sample ID	MW-05S_WG_091495	MW-05S_WG_111495	MW-05S_WG_072497	MW-05S_WG_091697	MW-05S_WG_021700	V-05S_WG_021700_D	MW-05S_WG_081401	MW-05S_WG_112901	MW-05S_WG_022702	MW-05S_WG_051502	MW-05S_WG_073003
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		[5]	[65]	[110]	[88]	[90]	[100]	[120]	[73]	[57]	[35]	[90]
1,1,2,2-Tetrachloroethane	5		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U
1,1,2-Trichloroethane	1		10 U	100 U	1 U	1 U	0.3 J	0.3 J	5 U	20 U	20 U	20 U	20 U
1,1-Dichloroethane	5		[5]	[70]	[92]	[76]	[100]	[110]	[130]	[71]	[55]	[33]	[43]
1,1-Dichloroethene	5		10 U	100 U	16	1 U	[13]	[12]	[20]	[12] J	[8] J	[5] J	[7] J
1,2-Dichloroethane	0.6		10 U	100 U	1 U	1 U	0.4 J	0.4 J	5 U	20 U	20 U	20 U	20 U☐
1,2-Dichloroethene (Total)	5		[130]	[1300]	[1709.3]	[1400]	---	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
2-Hexanone	50		10 U	100 U	2 U	2 U	5 U	5 U	50 U	200 U	200 U	200 U	200 U☐
4-Methyl-2-pentanone	NS		10 U	100 U	2 U	2 U	5 U	5 U	50 U	200 U	200 U	200 U	200 U☐
Acetone	50		8	100 U	2 U	2 U	10 U	10 U	100 U	400 U	400 U	400 U	400 U☐
Benzene	1		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Bromodichloromethane	50		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Bromoform	50		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Bromomethane	5		2	100 U	2 U	2 U	1 U	1 U	10 U	40 U	40 U	40 U	20 U☐
Carbon disulfide	60		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Carbon tetrachloride	5		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Chlorobenzene	5		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Chloroethane	5		10 U	100 U	1 U	1 U	1	1	10 U	40 U	40 U	40 U	40 U☐
Chloroform	7		10 U	100 U	1.7	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
cis-1,2-Dichloroethene	5		---	---	---	---	[1300]	[1500]	[2200] E	[1100]	[880]	[590]	[1300] D
cis-1,3-Dichloropropene	0.4		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Dibromochloromethane	50		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Ethylbenzene	5		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Methyl chloride	5		10 U	100 U	1 U	1 U	1 U	0.2 J	10 U	40 U	40 U	40 U	40 U☐
Methyl ethyl ketone	50		10 U	100 U	4 U	4 U	10 U	10 U	100 U	400 U	400 U	400 U	400 U☐
Methylene chloride	5		10 U	100 U	1 U	1 U	2 U	2 U	20 U	80 U	80 U	80 U	80 U
Styrene	5		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Tetrachloroethene	5		10 U	100 U	4.2	1 U	0.3 J	0.3 J	5 U	20 U	20 U	20 U	20 U☐
Toluene	5		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U
trans-1,2-Dichloroethene	5		---	---	---	---	[41]	[46]	[25]	[11] J	[8] J	[6] J	[11] J
trans-1,3-Dichloropropene	0.4		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U☐
Trichloroethene	5		[8]	[76]	[350]	[230]	[130]	[140]	[55]	[59]	[26]	[17] J	[31]
Vinyl chloride	2		[16]	[220]	[170]	[240]	[210]	[240]	[370]	[190]	[140]	[89]	[380]
Xylenes, Total	5		10 U	100 U	1 U	1 U	0.5 U	0.5 U	5 U	20 U	20 U	20 U	20 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW tandards (ug/l)		Location ID	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S
			Depth Interva	-	-	-	-	-	-	-	-	-	-	-
			Sample Date	2/5/2004	5/19/2004	8/5/2004	11/17/2004	2/16/2005	4/20/2005	9/7/2005	11/15/2005	4/27/2006	4/27/2006	11/14/2006
			Sample ID	MW-05S_WG_020504	MW-05S_WG_051904	MW-05S_WG_080504	MW-05S_WG_111704	MW-05S_WG_021605	MW-05S_WG_042005	MW-5S_09072005	MW-5S_11152005	DUP-1_04272006	MW-5S_04272006	MW-5S_11142006
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			[43]	[32]	[78]	[110]	[17]	[38]	[148]	[41.5]	[38.2]	[40.8]	[15.1]
1,1,2,2-Tetrachloroethane	5			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
1,1,2-Trichloroethane	1			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
1,1-Dichloroethane	5			[99]	[29]	[15]	[190]	[10]	[53]	[38]	[25.5]	[13]	[14]	[10.4]
1,1-Dichloroethene	5			[12] J	[7] J	4 J	[21]	2 U	[11] J	[6] J	[7] J	12.5 U	12.5 U	[1.7] J
1,2-Dichloroethane	0.6			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
1,2-Dichloroethene (Total)	5			---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
2-Hexanone	50			200 U	200 U	100 U	200 U	25 U	200 U	250 U	250 U	125 U	125 U	[50]
4-Methyl-2-pentanone	NS			200 U	200 U	100 U	200 U	25 U	200 U	250 U	250 U	125 U	125 U	50
Acetone	50			400 U	400 U	200 U	400 U	50 U	400 U	101 J	500 U	250 U	250 U	[100]
Benzene	1			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
Bromodichloromethane	50			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	5
Bromoform	50			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	5
Bromomethane	5			40 U	40 U	20 U	40 U	5 U	40 U	50 U	50 U	25 U	25 U	[10]
Carbon disulfide	60			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	5
Carbon tetrachloride	5			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
Chlorobenzene	5			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
Chloroethane	5			40 U	40 U	20 U	40 U	5 U	40 U	50 U	50 U	25 U	25 U	[10]
Chloroform	7			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	5
cis-1,2-Dichloroethene	5			[740]	[1300]	[460]	[890]	[410] D	[2100] D	[964]	[1290]	[372]	[377]	[219]
cis-1,3-Dichloropropene	0.4			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
Dibromochloromethane	50			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	5
Ethylbenzene	5			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
Methyl chloride	5			40 U	40 U	20 U	40 U	5 U	40 U	50 U	50 U	25 U	25 U	[10]
Methyl ethyl ketone	50			400 U	400 U	200 U	400 U	50 U	400 U	500 U	500 U	250 U	250 U	[100]
Methylene chloride	5			80 U	60 J	40 U	6 J	10 U	80 U	13 J	100 U	50 U	50 U	[20]
Styrene	5			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
Tetrachloroethene	5			20 U	20 U	4 J	20 U	4	20 U	25 U	25 U	12.5 U	12.5 U	[5]
Toluene	5			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
trans-1,2-Dichloroethene	5			[12] J	[11] J	[5] J	[16] J	[5]	[16] J	[18] J	[13] J	3 J	3 J	1.7 J
trans-1,3-Dichloropropene	0.4			20 U	20 U	10 U	20 U	2 U	20 U	25 U	25 U	12.5 U	12.5 U	[5]
Trichloroethene	5			[34]	[35]	[85]	[44]	[96]	[65]	[294]	[112]	[38.2]	[40.5]	[27.8]
Vinyl chloride	2			[120]	[140]	[53]	[100]	[28]	[240]	[52]	[146]	[32.2]	[35.8]	[8.8] J
Xylenes, Total	5			20 U	20 U	10 U	20 U	2 U	20 U	50 U	50 U	25 U	25 U	[10]

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	5/2/2007	10/30/2007	05/23/2008	11/19/2008	10/21/2009	5/19/2010	1/20/2011	4/20/2011	7/28/2011	10/27/2011	3/22/2012
		Sample ID	MW-5S_050207	MW 5 S-103007	MW-5S-052208	MW-5S	W-5S-102109102120	W-5S-051910051920	MW-5S-01202011	MW-5S-042011	MW-5S 072811	MW5S102711	MW5S032212
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		[5.5] J	[25.2] H	[15.2]	[88]	[15]	[7.2]	3.4	2.6 10 U	[14]	3.1	[10]
1,1,2,2-Tetrachloroethane	5		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
1,1,2-Trichloroethane	1		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
1,1-Dichloroethane	5		[8] J	[126] H	[33]	[24]	[43]	[10]	[5.4]	[7.5] 8.4 J	[75]	3.4	[26]
1,1-Dichloroethene	5		[2.75] J	[10.5] JH	12.5 U	12.5 U	2.6	2.9	1.4	2 10 U	[10]	0.78 J	[9.3]
1,2-Dichloroethane	0.6		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U 25 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
2-Hexanone	50		125 U	125 HU	125 U	125 U	5 U	5 U	5 U	5 U 50 U	5 U 50 U	5 U	5 U
4-Methyl-2-pentanone	NS		125 U	125 HU	125 U	125 U	5 U	5 U	5 U	5 U 50 U	5 U 50 U	5 U	5 U
Acetone	50		250 U	250 HU	250 U	250 U	4.6 J	5 U	10 U	10 U 100 U	10 U	10 U	10 U
Benzene	1		12.5 U	12.5 HU	12.5 U	12.5 U	0.66 J	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Bromodichloromethane	50		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Bromoform	50		12.5 U	12.5 HU	25 U	25 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Bromomethane	5		25 U	25 HU	25 U	25 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Carbon disulfide	60		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Carbon tetrachloride	5		12.5 U	12.5 HU	12.5 U	[14.3]	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Chlorobenzene	5		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Chloroethane	5		25 U	25 HU	25 U	25 U	1 U	1 U	1 U	1 U 10 U	2.4	1 U	1 U
Chloroform	7		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
cis-1,2-Dichloroethene	5		[333]	[298] H	[395]	[300]	[75]	[420] D	[280]	[460] 460	[500]	[98]	[1700]
cis-1,3-Dichloropropene	0.4		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Dibromochloromethane	50		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Ethylbenzene	5		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Methyl chloride	5		25 U	25 HU	25 U	25 U	1 U	1 U	0.7 J	1 U 10 U	1 U 10 U	1 U	1 U
Methyl ethyl ketone	50		250 U	250 HU	250 U	250 U	5 U	5 U	10 U	10 U 100 U	10 U	10 U	1 U
Methylene chloride	5		4.5 J	2.75 JH	6.5 J	50 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Styrene	5		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Tetrachloroethene	5		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Toluene	5		12.5 U	12.5 HU	12.5 U	12.5 U	4	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
trans-1,2-Dichloroethene	5		12.5 U	9.75 JH	[5.5] J	3.75 J	0.62 J	[5.1]	2.1	2.6 10 U	[10]	1 U	[16]
trans-1,3-Dichloropropene	0.4		12.5 U	12.5 HU	12.5 U	12.5 U	1 U	1 U	1 U	1 U 10 U	1 U 10 U	1 U	1 U
Trichloroethene	5		[28.8]	[24.5] H	[15.2]	[90]	[5.1]	[19]	[17]	[15] 18	[32]	[15]	[16]
Vinyl chloride	2		[10.2] J	[22.8] JH	[55.5]	[37.2]	[8.7]	[58]	[49]	[52] 65	[53]	[13]	[300]
Xylenes, Total	5		25 U	25 HU	25 U	25 U	1.8 J	2 U	2 U	2 U 20 U	2 U 20 U	2 U	2 U

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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	8/9/2012	12/19/2012	5/22/2013	8/21/2013	12/19/2013	3/27/2014	6/10/2014	9/25/2014	12/9/2014	3/17/2015	6/23/2015
		Sample ID	MW5S080912	MW-5S-121912	MW-5S-052213	MW-5S-082113	MW-5S-121913	MW-5S-032714	MW-5S-061014	MW 5S 092514	MW 5S 120914	MW5S 031715	MW5S 062315
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		[59]	5 U	10 U	10 U	10 U	3.2	6.3	3.7	32 *^	1 U	[11]
1,1,2,2-Tetrachloroethane	5		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
1,1,2-Trichloroethane	1		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
1,1-Dichloroethane	5		[26]	3.4 J	[13]	[13]	[25]	[14]	[49]	[52]	[31]	1 U	[120]
1,1-Dichloroethene	5		4.4	5 U	10 U	10 U	8.8 J	1.9	6	1.3 J	3.1 ^	1 U	[11]
1,2-Dichloroethane	0.6		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
2-Hexanone	50		5U	25 U	50 U	50 U	50 U	5 U*	5 U	10 U*	10 U	5 U	5 U
4-Methyl-2-pentanone	NS		5U	25 U	50 U	50 U	50 U	5 U	5 U	10 U*	10 U	5 U	5 U
Acetone	50		10U	50 U	100 U	100 U	100 U	10 U	10U	7.4 J	20 U	10 U	10 U
Benzene	1		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Bromodichloromethane	50		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Bromoform	50		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U*	1 U	1 U
Bromomethane	5		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Carbon disulfide	60		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Carbon tetrachloride	5		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Chlorobenzene	5		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Chloroethane	5		1U	5 U	10 U	10 U	10 U	1 U	0.9 J	2 U	2 U	1 U	1 U
Chloroform	7		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
cis-1,2-Dichloroethene	5		[430]	[220]	[640]	[620]	[2700]	[88]	[220]	[110]	[160]	1.8	[190 F]
cis-1,3-Dichloropropene	0.4		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Dibromochloromethane	50		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U*	1 U	1 U
Ethylbenzene	5		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Methyl chloride	5		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Methyl ethyl ketone	50		10U	50 U	100 U	100 U	100 U	10 U*	10 U	20 U	20 U	10 U	10 U
Methylene chloride	5		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Styrene	5		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Tetrachloroethene	5		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2.9	1 U	1 U
Toluene	5		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
trans-1,2-Dichloroethene	5		3.7	5 U	10 U	10 U	[13]	1.8	4.5	2 U	2 U	1 U	[9]
trans-1,3-Dichloropropene	0.4		1U	5 U	10 U	10 U	10 U	1 U	1 U	2 U	2 U	1 U	1 U
Trichloroethene	5		[6.9]	[5.2]	[37]	[5.5 J]	[20]	[5.9]	14	4.8	[61]	1.4	[21]
Vinyl chloride	2		[85]	[41]	[120]	[170]	[590]	[6.7]	[54]	[36]	2 U	1 U	[9.7]
Xylenes, Total	5		2U	10 U	20 U	20 U	20 U	2 U	2U	4 U	4 U	2 U	2 U

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Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW tandards (ug/l)		Location ID	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-05S	MW-05S
			Depth Interv	-	-	-	-	-	-	-	-	-	-	-	-
			Sample Date	9/23/2015	1/13/2016	3/30/2016	6/21/2016	9/20/2016	12/20/2016	4/12/2017	6/27/2017	9/14/2017	12/21/2017	3/15/2018	6/19/2018
			Sample ID	MW5S 092315	MW5S 011316	MW-5S-033016	MW-5S-062116	MW-5S-092016	MW-5S-122016	MW-5S-041217	MW-5S-062717	MW-5S-091417	MW-5S-122117	MW 5S 031518	MW 5S 061918
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			[8.8]	[7.9]	2.8	[15]	[15]	[22]	1.2	3.1	12	13	3.4	[9.7]
1,1,2,2-Tetrachloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1-Dichloroethane	5			[59]	[27]	[8.9]	[43]	[33]	[38]	[6]	0.84 J	[92]	[86]	[14]	[67]
1,1-Dichloroethene	5			2.3	1.7	0.83 J	2.2	2.8	2	0.45 J	0.57 J	[5.8]	[8.2]	1.3	3.6
1,2-Dichloroethane	0.6			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	5			---	---	----	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
2-Hexanone	50			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NS			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
Acetone	50			10 U	10 U *	10 U*	6 J	3.5 J	10 U	10 U	10 U	10 U	10 U	10 U	3.7 J
Benzene	1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromodichloromethane	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromoform	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromomethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon disulfide	60			1 U	1 U	1 U	0.41 J	0.19 J	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon tetrachloride	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chlorobenzene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroform	7			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5			[82]	[38]	[16]	[97]	[58]	[180] F1	[5.6]	3.8	[88]	[76]	[16]	[77]
cis-1,3-Dichloropropene	0.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Dibromochloromethane	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Ethylbenzene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl chloride	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl ethyl ketone	50			10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Styrene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Tetrachloroethene	5			1 U	0.71 J	1 U	1 U	1 U	0.7 J	1 U	1 U	0.51 J	0.49 J	1.0 U	1.0 U
Toluene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5			1	1.4	1 U	0.94 J	1 U	2.2	1 U	1 U	3.2	4	1.0 U	0.98 J
trans-1,3-Dichloropropene	0.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Trichloroethene	5			[10]	[12]	[8.7]	[22]	[20]	[92]	2.2	[6.7]	[33]	[26]	[9.5]	[34]
Vinyl chloride	2			[12]	1 U	1 U	[7.3]	[4.9]	1 U	1 U	1 U	2.1	1 U	1.0 U	[5.2]
Xylenes, Total	5			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW tandards (ug/l)		Location ID	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S	MW-05S
			Depth Interv	-	-	-	-	-	-
			Sample Date	9/19/2018	11/29/2018	3/20/2019	6/21/2019	9/25/0219	12/19/2019
			Sample ID	MW 5S 091918	MW-5S-112918	MW-5S-032019	MW-5S-062119	MW-5S-092519	MW-5S-121919
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			[6.8]	3.3	[5.1]	2.2	[7.3]	1 U
1,1,2,2-Tetrachloroethane	5			1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1			1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5			[60]	3.7	[9.8]	[11]	[16]	1 U
1,1-Dichloroethene	5			3.3	0.35 J	0.85 J	1.1	0.30 J	1 U
1,2-Dichloroethane	0.6			1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5			---	---	---	---	---	---
1,2-Dichloropropane	1			1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50			5.0 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50			10 U	10 U	10 U	10 U	7.2 J	10 U
Benzene	1			1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50			1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50			1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5			1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60			1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5			1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5			1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5			1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7			1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5			[45]	[11]	[44]	[15]	[7.4]	1 U
cis-1,3-Dichloropropene	0.4			1.0 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50			1.0 U*	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5			1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5			1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			10 U	10 U	10 U	10 U	1.9 J	10 U
Methylene chloride	5			1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5			1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5			1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5			1.0 U	1 U	1 U	1 U	2.4	1 U
trans-1,2-Dichloroethene	5			1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4			1.0 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5			[22]	[12]	[24]	[5.2]	1.3	0.51 J
Vinyl chloride	2			2.1	1 U	1 U	1.5	1.7	1 U
Xylenes, Total	5			2.0 U	2 U	2 U	2 U	2 U	2 U

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/12/1995	9/13/1995	11/14/1995	7/28/1997	9/17/1997	2/15/2000	8/15/2001	11/29/2001	2/27/2002	5/15/2002	7/29/2003
		Sample ID	MW-06D_WG_091295_D	MW-06D_WG_091395	MW-06D_WG_111495	MW-06D_WG_072897	MW-06D_WG_091797	MW-06D_WG_021500	MW-06D_WG_081501	MW-06D_WG_112901	MW-06D_WG_022702	MW-06D_WG_051502	MW-06D_WG_072903
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		10 U	10 U	10 U	0.7	1 U	1	0.5 J	0.8	0.9	0.8 J	0.6
1,1,2,2-Tetrachloroethane	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	10 U	[5.8]	3.6	2	2	2	2	1	1
1,1-Dichloroethene	5		10 U	10 U	10 U	1 U	1 U	0.3 J	0.1 J	0.2 J	0.5 U	0.2 J	0.2 J
1,2-Dichloroethane	0.6		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-Dichloroethene (Total)	5		[6]	[6]	[17]	[14]	[35]	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
2-Hexanone	50		10 U	10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	10 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	10 U	5 U
Acetone	50		10 U	10 U	10 U	2 U	2 U	10 U	10 J	10 U	10 U	20 U	10 U
Benzene	1		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Bromodichloromethane	50		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Bromoform	50		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Bromomethane	5		10 U	10 U	10 U	2 U	2 U	1 U	1 U	1 U	1 U	2 U	1 U
Carbon disulfide	60		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	1	0.5 U	1 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Chlorobenzene	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Chloroethane	5		10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Chloroform	7		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	---	[43]	[20]	[34]	[36]	[35]	[21]
cis-1,3-Dichloropropene	0.4		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Dibromochloromethane	50		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Ethylbenzene	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Methyl chloride	5		10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	4 U	4 U	10 U	10 U	10 U	10 U	20 U	10 U
Methylene chloride	5		10 U	10 U	10 U	1 U	1 U	2 U	2 U	2 U	2 U	4 U	2 U
Styrene	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Tetrachloroethene	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Toluene	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	---	2	0.2 J	0.4 J	0.5 J	0.4 J	0.4 J
trans-1,3-Dichloropropene	0.4		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Trichloroethene	5		10 U	10 U	10 U	1 U	1 U	0.5	0.2 J	0.3 J	0.3 J	0.3 J	0.3 J
Vinyl chloride	2		10 U	10 U	[51]	[22]	[45]	[44]	[24]	[40] D	[39]	[37]	[24]
Xylenes, Total	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	2/4/2004	5/18/2004	8/5/2004	11/16/2004	2/15/2005	4/18/2005	9/6/2005	11/15/2005	4/25/2006	11/13/2006	05/03/2007
		Sample ID	MW-06D_WG_020404	MW-06D_WG_051804	MW-06D_WG_080504	MW-06D_WG_111604	MW-06D_WG_021505	MW-06D_WG_041805	MW-6D_09062005	MW-6D_11152005	MW-6D_04252006	MW-6D_11132006	MW-6D_050307
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.1 J	0.5	0.1 J	0.1 J	0.4 J	0.5 J	0.5 U	0.52 J	0.48 J	0.46 J	0.48 J
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
1,1-Dichloroethane	5		1	0.7	1	1	0.5	0.6	1.02	0.82 J	0.62 J	0.58	0.56 J
1,1-Dichloroethene	5		0.5 U	0.3 J	0.5 U	0.5 U	0.2 J	0.3 J	0.5 U	0.34 J	0.26 J	0.25 J	0.3 J
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	5	10 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	5	10 U
Acetone	50		10 U	10 U	2 J	10 U	2 J	10 U	2.62 J	20 U	20 U	1.83 J	20 U
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Bromoform	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1	2 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1	2 U
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
cis-1,2-Dichloroethene	5		[5]	[29]	[5]	[4]	[33]	[35]	3.26	[46.3]	[38.9]	[38.9]	[41.6]
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	0.2 J	2 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U	10	20 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.66 J	4 U	2	0.26 J
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
Toluene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.6	0.5 U	0.5 U	0.8	0.7	0.5 U	0.94 J	0.78 J	0.7	0.66 J
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	[0.5]	1 U
Trichloroethene	5		0.5 U	0.4 J	0.5 U	0.5 U	0.4 J	0.4 J	0.5 U	0.4 J	0.38 J	0.33 J	0.26 J
Vinyl chloride	2		[6]	[28]	[6]	[4]	[29]	[27]	[4.55]	[40.6]	[37.8]	[30.3]	[39.1]
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	2 U	1	2 U

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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW tandards (ug/l)		Location ID	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	X-1
			Depth Interva	-	-	-	-	-	-	-	-	-	-	-	-
			Sample Date	10/30/2007	5/22/2008	11/19/2008	10/21/2009	5/19/2010	1/19/2011	4/20/2011	7/26/2011	10/26/2011	3/20/2012	3/20/2012	3/20/2012
			Sample ID	MW 6 D-103007	MW-6D-052208	MW-6D	W-6D-102109102120	W-6D-051910051920:	MW-6D-01192011	MW-6D-042011	MW-6D072611	MW6D102611	MW6D032012	MW6D032012	MW6D032012
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			1 HU	0.36 J	0.26 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5			0.52 JH	0.48 J	[0.77]	0.6 J	1 U	1 U	1 U	1 U	0.46 J	0.67 J	0.62 J	
1,1-Dichloroethene	5			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5			---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50			10 HU	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			10 HU	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50			20 HU	20 U	10 U	5 U	5 U	10 U	10 U	3.2 J	10 U	10 U	5 U	
Benzene	1			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50			1 HU	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5			2 HU	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5			2 HU	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5			[13.4] H	[30.2]	[27.8]	[44]	[45]	[45]	[40]	[26]	[18]	[52]	[51]	
cis-1,3-Dichloropropene	0.4			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5			2 HU	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			20 HU	20 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			0.2 JH	0.34 J	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	0.52 J	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5			1 HU	0.56 J	0.33 J	0.54 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5			1 HU	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2			[18.9] H	[36.6]	[38.3]	[66]	[50]	[49]	[40]	[39]	[26]	[66]	[66]	
Xylenes, Total	5			2 HU	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	

NOTES:
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Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW tandards (ug/l)	Location ID	MW-6D	MW-6D	MW-6D	X-1	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	8/7/2012	12/19/2012	5/21/2013	5/21/2013	8/21/2013	12/18/2013	3/25/2014	6/10/2014	9/23/2014	12/9/2014	3/17/2015
		Sample ID	MW6D080712	MW-6D-121912	MW-6D-052113	MW-6D-052113	MW-6D-082113	MW-6D-121813	MW-6D-032514	MW-6D-061014	MW6D092314	MW 6D 120914	MW6D 031715
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.57 J	0.6 J	0.51 J	0.46J	0.47 J	1 U	0.68 J	0.84 J	0.55 J	0.66 J	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[32]	[44]	[42]	[40]	[37]	[41]	2.8	3.1	2.3	2.4	1.8
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		[53]	[53]	[59]	[58]	[60]	[71]	[3.3]	[3.5]	[2.5]	[2.8]	1.7
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D
		Depth Interv	-	-	-	-	-	-	-	-	-	-
		Sample Date	6/24/2015	9/22/2015	1/12/2016	3/29/2016	6/21/2016	9/20/2016	12/20/2016	4/11/2017	6/27/2017	9/12/2017
		Sample ID	MW6D 062415	MW6D 092215	MW6D 011216	MW6D 032916	MW6D 062116	MW6D 092016	MW6D 122016	MW6D 041117	MW6D 062717	MW6D 091217
	Class GA GW		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	tandards (ug/l)											
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	0.72 J	0.54 J	0.56 J	0.61 J	0.66 J	0.59 J	0.71 J	0.51 J	0.6 J
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	----	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.5	1.6	1.7	1.5	1.5	1.4	1.3	1.1	1.3	1.4
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.5 ^	[2]	1.5	1.2	1.3	1.4	1.4	1.2	1.4	1.4
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-6D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
		Depth Interva	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/217	3/14/2018	6/20/2018	9/19/2018	11/27/2018	3/20/2019	6/19/2109	9/24/2019	12/18/2019
		Sample ID	MW6D 122017	MW 6D 031418	MW 6D 062018	MW 6D 091918	MW-6D-112718	MW-6D-032019	MW-6D-061919	MW-6D-092419	MW-6D-121819
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.56 J	0.58 J	0.59 J	0.62 J	0.4 J	0.49 J	0.59 J	1 U	0.45 J
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.3	1.0	1.1	1.3	0.84 J	0.82 J	1.1	0.95 J	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.3	1.1	1.2	1.3	1 U	1 U	1 U	0.90 J	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/14/1995	11/14/1995	7/23/1997	9/17/1997	9/17/1997	2/15/2000	8/15/2001	11/29/2001	2/27/2002	5/15/2002	7/29/2003
		Sample ID	MW-06S_WG_091495	MW-06S_WG_111495	MW-06S_WG_072397	MW-06S_WG_091797	V-06S_WG_091797_D	MW-06S_WG_021500	MW-06S_WG_081501	MW-06S_WG_112901	MW-06S_WG_022702	MW-06S_WG_051502	MW-06S_WG_072903
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		10 U	10 U	1 U	1 U	1 U	0.2 J	0.5 U	0.2 J	0.1 J	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	1 U	1 U	1 U	2	1	2	1	0.9	0.4 J
1,1-Dichloroethene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		4	10 U	3.1	2.6	2.5	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		18	10 U	2 U	2 U	2 U	10 U	10 J	10 U	10 U	10 U	10 U
Benzene	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		10 U	10 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J
cis-1,2-Dichloroethene	5		---	---	---	---	---	2	3	2	1	2	[6]
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5		[5]	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	4 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		10 U	10 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	1 U	0.2 J	0.5 U	0.2 J	0.5 U	0.5 U	0.2 J
Vinyl chloride	2		10 U	10 U	1 U	1 U	1 U	0.3 J	0.8 J	0.4 J	0.4 J	0.2 J	0.7 J
Xylenes, Total	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	2/4/2004	5/18/2004	8/5/2004	11/16/2004	2/15/2005	4/18/2005	9/7/2005	11/15/2005	04/25/2006	11/13/2006	5/3/2007
		Sample ID	MW-06S_WG_020404	MW-06S_WG_051804	MW-06S_WG_080504	MW-06S_WG_111604	MW-06S_WG_021505	MW-06S_WG_041805	MW-6S_09072005	MW-6S_11152005	MW-6S_04252006	MW-6S_11132006	MW-6S_050307
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	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	0.5 U
1,1,2,2-Tetrachloroethane	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	0.5 U
1,1,2-Trichloroethane	1		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	0.5 U
1,1-Dichloroethane	5		0.3 J	0.2 J	0.3 J	0.4 J	0.2 J	0.2 J	0.27 J	0.31 J	0.14 J	0.15 J	0.5 U
1,1-Dichloroethene	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	0.5 U
1,2-Dichloroethane	0.6		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	0.5 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		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	0.5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5	5 U
Acetone	50		6 J	10 U	10 U	5 J	2 J	10 U	1.56 J	10 U	10 U	2.18 J	10 U
Benzene	1		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	0.5 U
Bromodichloromethane	50		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	0.5 U
Bromoform	50		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	0.5 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Carbon disulfide	60		0.2 J	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.5 U
Carbon tetrachloride	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	0.5 U
Chlorobenzene	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	0.5 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Chloroform	7		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	0.5 U
cis-1,2-Dichloroethene	5		[5]	4	[30]	[14]	[13]	[6]	[16.2]	[36.1]	[2.57]	[12]	1.01
cis-1,3-Dichloropropene	0.4		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]	0.5 U
Dibromochloromethane	50		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	0.5 U
Ethylbenzene	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	0.5 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2	2 U
Styrene	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	0.5 U
Tetrachloroethene	5		0.5 U	0.1 J	0.1 J	0.5 U	0.1 J	0.1 J	0.5 U	0.5 U	0.12 J	0.5	0.5 U
Toluene	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	0.5 U
trans-1,2-Dichloroethene	5		0.1 J	0.1 J	0.3 J	0.2 J	0.2 J	0.2 J	0.17 J	0.43 J	0.5 U	0.22 J	0.5 U
trans-1,3-Dichloropropene	0.4		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]	0.5 U
Trichloroethene	5		0.1 J	0.2 J	0.2 J	0.2 J	0.2 J	0.2 J	0.22 J	0.3 J	0.2 J	0.23 J	0.14 J
Vinyl chloride	2		0.5 J	0.4 J	1	0.9 J	0.7 J	0.3 J	[3]	1.97	0.21 J	0.73 J	1 U
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1	1 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	10/31/2007	10/31/2007	5/22/2008	11/19/2008	10/21/2009	5/19/2010	1/19/2011	4/20/2011	7/26/2011	10/26/2011	3/20/2012
		Sample ID	X1-103107	MW-6S-103107	MW-6S-052208	MW-6S	W-6S-102109102120	W-6S-051910051920	MW-6S-01192011	MW-6S-042011	MW-6S072611	MW6S102611	MW6S032012
Chemical Name	Class GA GW tandards (ug/l)		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.95 H	0.13 JH	0.5 U	0.17 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 HU	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 HU	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 HU	10 HU	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.5 HU	0.5 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 HU	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 HU	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[6.2] H	[14.5] H	2.87	[26.1]	[5.6]	1.5	2	1.1	1.6	[9]	1.2
cis-1,3-Dichloropropene	0.4		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 HU	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 HU	10 HU	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 HU	2 HU	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 HU	0.5 HU	0.5 U	0.21 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 HU	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.22 JH	0.5 HU	0.5 U	0.25 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		[7.37] H	1.38 H	1 U	[3.24]	1.7	1 U	1 U	1 U	1 U	[2]	1 U
Xylenes, Total	5		1 HU	1 HU	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW tandards (ug/l)		Location ID	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S
			Depth Interva	-	-	-	-	-	-	-	-	-	-	-
			Sample Date	8/7/2012	12/19/2012	5/21/2013	8/21/2013	12/18/2013	3/25/2014	6/11/2014	9/23/2014	12/10/2014	3/17/2015	6/24/2015
			Sample ID	MW6S080712	MW-6S-121912	MW-6S-052113	MW-6S-082113	MW-6S-121813	MW-6S-032514	MW-6S-061114	MW6S092314	MW 6S 121014	MW-6S 031715	MW6S-062415
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U
1,1,2,2-Tetrachloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5			---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50			5 U	5 U	5 U	5 U	5 U	5 U	5 I	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			5 U	5 U	5 U	5 U	5 U	5 U	5 I	5 U	5 U	5 U	5 U
Acetone	50			10 U	10 U	10 U	10 U	10 U	10 U	10 U	3.6 J	10 U	4.3 J	10 U
Benzene	1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U
Bromomethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5			1.8	1.9	1.1	1.2	2	[22]	[73]	[17]	[17]	[11]	[8.7]
cis-1,3-Dichloropropene	0.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U
Ethylbenzene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U
Toluene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2			1 U	1 U	1 U	1 U	1 U	[6.7]	[3.1]	1.4	[4.6]	[3.2]	1 ^
Xylenes, Total	5			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	X-1	MW-6S
		Depth Interv	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/23/2015	1/12/2016	3/29/2016	6/21/2016	9/20/2016	12/20/2016	4/11/2017	6/28/2017	6/28/2017	9/14/2017
		Sample ID	MW6S 092315	MW6S 011216	MW6S 032916	MW6S 062116	MW6S 092016	MW6S 122016	MW6S 041117	MW6S 062817	MW6S 062817	MW6S 091417
	Class GA GW		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	tandards (ug/l)											
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	----	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3.3 J
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[10]	[10]	[52]	[5]	[7.9]	[6.9]	[17]	[15]	[14]	[10]
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.39 J	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	0.8 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		[2.8]	[5.7]	[16]	1 U	[11]	[6.2]	[8.7]	[9.1]	[8.9]	[3.8]
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW tandards (ug/l)		Location ID	MW-6S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
			Depth Interva	-	-	-	-	-	-	-	-	-
			Sample Date	12/20/2017	3/15/2018	6/20/2018	9/20/2018	11/29/2018	8/30/2018	6/19/2019	9/25/2019	12/18/2019
			Sample ID	MW6S 122017	MW 6S 031518	MW 6S 062018	MW 6S 092018	MW-6S-112918	MW-6S-032019	MW-6S-061919	MW-6S-092519	MW-6S-121819
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5			---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50			5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50			10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5			4.7	[28]	[6.3]	[15]	[13]	[39]	[27]	[9.5]	[24]
cis-1,3-Dichloropropene	0.4			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50			1.0 U	1.0 U	1.0 U	1.0 U*	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5			1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2			1.0 U	[29]	1.0 U	[19]	[22]	[28]	[23]	[7.9]	[23]
Xylenes, Total	5			2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD
		Depth Interval	60 - 62	69 - 70	80 - 81	-	60 - 62	60 - 62	60 - 62	60 - 62	60 - 62	-	-	-
		Sample Date	7/29/2003	7/29/2003	7/29/2003	2/4/2004	5/18/2004	8/5/2004	11/16/2004	2/15/2005	4/18/2005	9/6/2005	11/14/2005	
		Sample ID	MW-06DD_WG_072903	MW-06DD_WG_072903	MW-06DD_WG_072903	MW-06DD_WG_02040	MW-06DD_WG_051804	MW-06DD_WG_080504	MW-06DD_WG_111604	MW-06DD_WG_021505	MW-06DD_WG_041805	MW-6DD_09062005	MW-6DD_11142005	
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
1,1,1-Trichloroethane	5		0.5 U	0.5 U	0.7	[5]	2	[9]	0.7	3	0.3 J	[26.7]	[7.24]	
1,1,2,2-Tetrachloroethane	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	0.50 U	1.00 U	
1,1,2-Trichloroethane	1		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	0.50 U	1.00 U	
1,1-Dichloroethane	5		0.1 J	0.5 U	1	[5]	[5]	[5]	[9]	4	[6]	[8.38]	[6.50]	
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.3 J	0.2 J	0.3 J	0.2 J	0.2 J	0.1 J	0.58	0.40 J	
1,2-Dichloroethane	0.6		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	0.50 U	1.00 U	
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---	
1,2-Dichloropropane	1		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	0.50 U	1.00 U	
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.00 U	10.0 U	
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.00 U	10.0 U	
Acetone	50		10 U	10 U	10 U	4 J	10 U	10 U	10 U	2 J	10 U	2.28 J	20.0 U	
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.50 U	1.00 U	
Bromodichloromethane	50		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	0.50 U	1.00 U	
Bromoform	50		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	0.50 U	1.00 U	
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	2.00 U	
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.50 U	1.00 U	
Carbon tetrachloride	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	0.50 U	1.00 U	
Chlorobenzene	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	0.50 U	1.00 U	
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	0.5 J	1 U	0.5 J	0.17 J	2.00 U	
Chloroform	7		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	0.50 U	1.00 U	
cis-1,2-Dichloroethene	5		0.5 J	0.5 U	[7]	[32]	[12]	[21]	[16]	[14]	[11]	[49.9]	[41.8]	
cis-1,3-Dichloropropene	0.4		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	0.50 U	1.00 U	
Dibromochloromethane	50		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	0.50 U	1.00 U	
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.50 U	1.00 U	
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	2.00 U	
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10.0 U	20.0 U	
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.00 U	0.80 J	
Styrene	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	0.50 U	1.00 U	
Tetrachloroethene	5		0.5 U	0.5 U	0.5 J	0.8	0.6	0.7	0.5 U	0.7	0.5 U	0.50 U	1.00 U	
Toluene	5		0.3 J	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	1.00 U	
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.3 J	0.1 J	0.2 J	0.3 J	0.1 J	0.2 J	0.54	0.46 J	
trans-1,3-Dichloropropene	0.4		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	0.50 U	1.00 U	
Trichloroethene	5		0.5 U	0.5 U	0.3 J	2	1	2	0.6	2	0.7	4.85	3.94	
Vinyl chloride	2		0.3 J	0.1 J	[5]	[20]	[14]	[15]	[12]	[10]	[10]	[15.4]	[13.1]	
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.9	0.5 U	0.3 J	1.00 U	2.00 U	

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Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD	MW-06DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	4/25/2006	11/15/2006	5/2/2007	10/30/2007	5/22/2008	11/19/2008	10/21/2009	05/19/2010	01/19/2011	4/20/2011	7/26/2011
		Sample ID	MW-6DD_04252006	MW-6DD_11152006	MW-6DD_050207	MW 6 DD-103007	MW 6 DD-052208	MW 6 DD-111908	MW-6DD-10212009	V-6DD-051910051920	MW-6DD-01192011	MW-6DD-042011	MW-6DD072611
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.24	1.48	2.01	1.1 H	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		[5.22]	4.38	4.52	4.49 H	2.41	2.36	1.8	1.3	2.2	2	2.6
1,1-Dichloroethene	5		0.22 J	0.22 J	0.24 J	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.00 U	10 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.00 U	10 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10.0 U	20 U	10 U	10 HU	10 U	10 U	5 U	3.4 J	10 U	10 U	10 U
Benzene	1		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.50 U	1 U	0.5 U	0.5 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.00 U	2 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.00 U	2 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[15.8]	[16.4]	[13.7]	[18.4] H	[15.2]	[14.9]	[14]	2.8	[11]	[8.5]	[26]
cis-1,3-Dichloropropene	0.4		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.00 U	2 U	1 U	1 HU	1 U	1 U	---	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10.0 U	20 U	10 U	10 HU	10 U	10 U	---	5 U	10 U	10 U	10 U
Methylene chloride	5		2.00 U	4 U	2 U	2 HU	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	0.78 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.19 J	0.30 J	0.26 J	0.17 JH	0.23 J	0.5 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.89	1.2	0.82	0.17 JH	0.18 J	0.1 J	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		[13.4]	[10.6]	[8.17]	[10.1] H	[12.5]	[13]	[21]	[5.2]	[13]	[7.5]	[16]
Xylenes, Total	5		1.00 U	2 U	1 U	1 HU	1 U	1 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-06DD	MW-06DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD
		Depth Interval		-		-	-	-	-	-		-	-
		Sample Date	10/26/2011	3/20/2012	8/7/2012	12/19/2012	5/21/2013	8/21/2013	12/18/2013	3/25/2014	6/10/2014	9/23/2014	12/9/2014
		Sample ID	MW6DD102611	MW6DD032012	MW6DD080712	MW-6DD-121912	MW-6DD-052113	MW-6DD-0821113	MW-6DD-121813	MW-6DD-032514	MW-6DD-061014	MW6DD092314	MW 6DD 120914
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		3.2	3.6	4.2	4.6	2	1.9	3.7	0.7 J	0.92 J	0.61 J	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[14]	[22]	[29]	[33]	[15]	[14]	[39]	[15]	[30]	[17]	[17]
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.57 J	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.58 J	0.52 J	1 U	1 U
Vinyl chloride	2		[11]	[12]	[19]	[19]	[15]	[17]	[32]	[3.4]	8.2	[5]	[5.3]
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	3/17/2015	6/24/2015	9/22/2015	1/12/2016	3/29/2016	6/21/2016	9/20/2016	12/20/2016	4/11/2017	6/28/2017	9/12/2017
		Sample ID	MW6DD 031715	MW6DD 062515	MW6DD 092215	MW6DD 011216	MW6DD 032916	MW6DD 062116	MW6DD 092016	MW6DD 122016	MW6DD 041117	MW6DD 062817	MW6DD 091217
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	0.84 J	0.73 J	0.43 J	1 U	0.71 J	0.62 J	0.55 J	1 U	1 U	0.6 J
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	----	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[20]	[19]	[13]	[17]	[19]	[20]	[10]	[8.6]	[13]	[24]	[22]
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	0.52 J	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	0.69 J	1 U	1 U	1 U	0.69 J	1 U	1 U
Vinyl chloride	2		1.9	[4.9 ^]	[5.1]	[3.2]	1.5	[5.3]	[4.5]	[4]	1 U	[4.5]	[5.3]
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-6DD	MW-06DD	MW-06DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2017	3/15/2018	6/20/2018	9/19/2018	11/28/2018	3/20/2019	6/19/2019	6/19/2019	9/24/2019	12/19/2019
		Sample ID	MW6DD 122017	MW 6DD 031518	MW 6DD 062018	MW 6DD 091918	MW-6DD-112818	MW-6DD-032019	MW-6DD-062119	MW-6DD-062119	MW-6DD-092419	MW-6DD-121919
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	0.82 J	0.64 J	0.51 J	1 U	0.42 J	0.48 J	0.48 J	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[17]	[24]	[25]	[13]	[11]	[13]	[24]	[24]	[25]	[15]
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	0.39 J	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	0.82 J	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.0 U	[3.9]	[5.3]	[4.9]	1 U	1.2	[6.7]	[6.7]	[5.5]	1.5
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/12/1995	11/13/1995	7/23/1997	9/18/1997	2/18/2000	8/16/2001	11/28/2001	2/25/2002	5/16/2002	7/29/2003	2/3/2004
		Sample ID	MW-07S_WG_091295	MW-07S_WG_111395	MW-07S_WG_072397	MW-07S_WG_091897	MW-07S_WG_021800	MW-07S_WG_081601	MW-07S_WG_112801	MW-07S_WG_022502	MW-07S_WG_051602	MW-07S_WG_072903	MW-07S_WG_020304
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		10 U	10 U	1 U	1 U	---	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 UJ	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 UJ	10 UJ	2 U	2 U	10 U	10 J	10 U	10 U	10 U	10 U	10 U
Benzene	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		10 U	10 U	2 U	2 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Chloroform	7		10 UJ	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.3 J
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5		10 UJ	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 UJ	10 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		10 UJ	10 U	1 U	1 U	2 J	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.1 J	0.1 J	0.2 J	0.3 J	0.2 J	0.2 J
Toluene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.4 J
Vinyl chloride	2		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	5/17/2004	8/4/2004	11/15/2004	2/14/2005	4/18/2005	9/8/2005	11/16/2005	4/26/2006	11/15/2006	5/2/2007	10/31/2007
		Sample ID	MW-07S_WG_051704	MW-07S_WG_080404	MW-07S_WG_111504	MW-07S_WG_021405	MW-07S_WG_041805	MW-7S_09082005	MW-7S_11162005	MW-7S_04262006	MW-7S_11152006	MW-7S_050207	MW 7-S-103107
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
1,1-Dichloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5 U	5 U	5 HU
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5 U	5 U	5 HU
Acetone	50		10 U	10 U	10 U	10 U	10 U	2.13 J	10.0 U	10.0 U	10 U	10 U	10 HU
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Bromoform	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1 U	1 U	1 HU
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1 U	1 U	1 HU
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
cis-1,2-Dichloroethene	5		0.3 J	0.4 J	0.5 J	0.4 J	0.5 J	0.64	0.34 J	0.46 J	0.6	0.27 J	0.39 JH
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1 U	1 U	1 HU
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10 U	10 U	10 HU
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2.00 U	2.00 U	0.16 J	2 U	2 U	2 HU
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Tetrachloroethene	5		0.1 J	0.2 J	0.2 J	0.2 J	0.2 J	0.28 J	0.37 J	0.31 J	0.51	0.42 J	0.46 JH
Toluene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 HU
Trichloroethene	5		0.4 J	0.5	0.6	0.5	0.8	0.96	0.73	1.2	1.44	1	0.98 H
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1 U	1 U	1 HU
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.00 U	1.00 U	1.00 U	1 U	1 U	1 HU

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-7S	MW-7S
		Depth Interval	-	-	-	-	-	-	-		-		-
		Sample Date	5/21/2008	11/20/2008	10/20/2009	05/17/2010	01/18/2011	4/19/2011	7/27/2011	10/26/2011	3/21/2012	8/8/2012	12/18/2012
		Sample ID	MW 7-S-052108	MW 7-S-112008	MW-7S-10202009	W-7S-051710051720:	MW-7S-01182011	MW-7S-041911	MW-7S072711	MW7S102611	MW7S032112	MW7S080812	MW-7S-121812
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	5 U	5 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.35 J	0.34 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	---	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	---	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.44 J	0.69	1 U	1 U	0.58 J	1 U	1 U	0.41 J	0.44 J	0.67 J	1 U
Toluene	5		0.5 U	0.5 U	2.3	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1.42	1.25	1 U	0.86 J	1.4	1 U	1 U	0.86 J	1.3	1.7	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	5/23/2013	8/20/2013	12/17/2013	3/26/2014	6/11/2014	9/24/2014	12/10/2014	3/18/2015	6/24/2015	9/23/2015	1/13/2016
		Sample ID	MW-7S-052313	MW-7S-082013	MW-7S-121713	MW-7S-032614	MW-7S-061114	MW7S092414	MW 7S 121014	MW7S031815	MW7S031815	MW7S 092315	MW7S 011216
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U*	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U *
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UF	1 UF	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UF	1 UF	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.82 J	1 U	1 U	1 U	0.42 J	1 U	0.47 J	1 U	1 UF	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1.7	1.2	1.2	0.48 J	1.3	0.97 J	1.7	1 U	1 U	1.3	0.78 J
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-7S	X-1	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-07S	MW-07S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	3/29/2016	3/29/2016	6/2/2016	9/21/2016	12/21/2016	4/12/2017	6/28/2017	9/13/2017	12/20/2017	3/14/2018	6/19/2018
		Sample ID	MW7S 032916	MW7S 032916	MW7S 062216	MW7S 092116	MW7S 122116	MW7S 041217	MW7S 062817	MW7S 091317	MW7S 122017	MW 7S 031418	MW 7S 061918
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	5		----	----	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3.0 J
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5		1 U*	1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5		1 U	1 U	1 U	0.46 J	0.53 J	1 U	1 U	0.66 J	1.0 U	0.50 J	1.0 U
Toluene	5		1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U*	1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5		1 U	1 U	0.62 J	2.4	1.4	1	1	1.8	1.1	1.4	0.52 J
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	9/18/2018	11/28/2018	3/19/2019	3/19/2019	6/20/2019	6/20/2019	9/24/2019	12/18/2019	12/18/2019
		Sample ID	MW 7S 091818	MW-7S-112818	MW-7S-031919	X-1-031919	MW-7S-062019	X-1-062019	MW-7S-092419	MW-7S-121819	X-1-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5 U *	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.28 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1 U *	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.47 J	0.39 J	0.42 J	0.5 J	0.44 J*	0.47 J*	1 U	0.46 J	0.56 J
Toluene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	0.57 J	1 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1 U *	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1.2	1.1	1.3	1.2	1.2	1.3	0.87 J	1.4	1.4
Vinyl chloride	2		1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/21/1995	11/14/1995	7/23/1997	9/18/1997	2/18/2000	8/16/2001	11/28/2001	2/25/2002	5/16/2002	7/29/2003	2/3/2004
		Sample ID	MW-07D_WG_092195	MW-07D_WG_111495	MW-07D_WG_072397	MW-07D_WG_091897	MW-07D_WG_021800	MW-07D_WG_081601	MW-07D_WG_112801	MW-07D_WG_022502	MW-07D_WG_051602	MW-07D_WG_072903	MW-07D_WG_020304
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		10 U	10 U	[5.7]	[12]	[34]	[34]	[35]	[33]	[31]	1	0.8
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 UJ	1 U	5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	0.2 J	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	[8]	[15]	[41]	[35]	[33]	[31]	[29]	[7]	[6]
1,1-Dichloroethene	5		10 U	10 U	1 U	1.3	4	3	3 J	2	3 J	0.5 J	0.4 J
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	0.2 J	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		10 U	10 U	[69]	[141]	---	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
2-Hexanone	50		10 UJ	10 U	2 U	2 U	5 U	5 U	50 U	10 U	50 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	5 U	5 U	50 U	10 U	50 U	5 U	5 U
Acetone	50		17	10 UJ	2 U	2 U	10 U	10 J	100 U	20 U	100 UJ	10 U	10 U
Benzene	1		[1]	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
Bromodichloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
Bromomethane	5		10 U	10 U	2 U	2 U	1 U	1 UJ	10 U	2 U	10 UJ	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	0.5 U	0.5 UJ	5 U	1 U	5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	0.5 U	0.5 UJ	5 U	1 U	5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	0.2 J	1 UJ	10 U	2 U	10 U	1 U	1 U
Chloroform	7		10 UJ	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	[190]	[220] E	[240]	[210] D	[220]	[38]	[33]
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
Ethylbenzene	5		0.7	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
Methyl chloride	5		10 UJ	10 U	1 U	1 U	0.3 J	1 U	10 U	2 U	10 U	1 U	1 U
Methyl ethyl ketone	50		10 UJ	10 U	4 U	4 U	10 U	10 U	100 U	20 U	100 U	10 U	10 U
Methylene chloride	5		10 UJ	10 U	1 U	1 U	2 J	2 U	20 U	0.2 J	20 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 UJ	5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
Toluene	5		2	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	[18]	3	4 J	3	3 J	0.4 J	0.4 J
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	2	0.8	5 U	0.8 J	5 U	0.5 U	0.1 J
Vinyl chloride	2		10 U	10 U	[26]	[52]	[79]	[100] E	[160]	[120] E	[130]	[35]	[32]
Xylenes, Total	5		3	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	5 U	0.5 U	0.5 U

NOTES:
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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	5/17/2004	8/4/2004	11/15/2004	2/14/2005	4/18/2005	9/8/2005	11/16/2005	4/26/2006	11/15/2006	5/2/2007	10/31/2007
		Sample ID	MW-07D_WG_051704	MW-07D_WG_080404	MW-07D_WG_111504	MW-07D_WG_021405	MW-07D_WG_041805	MW-7D_09082005	MW-7D_11162005	MW-7D_04262006	MW-7D_11152006	MW-7D_050207	MW 7-D-103107
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.6	0.3 J	0.5	0.2 J	0.4 J	0.29 J	0.17 J	0.50 U	0.18 J	0.13 J	0.5 HU
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,1-Dichloroethane	5		4	0.7	4	0.9	3	2.42	0.41 J	0.27 J	1.75	1.6	1.03 H
1,1-Dichloroethene	5		0.3 J	0.5 U	0.3 J	0.5 U	0.2 J	0.17 J	0.50 U	0.50 U	0.13 J	0.13 J	0.5 HU
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5 U	5 U	5 HU
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5 U	5 U	5 HU
Acetone	50		10 U	10 U	10 U	10 U	10 U	1.71 J	10.0 U	10.0 U	10 U	10 U	10 HU
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Bromoform	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1 U	1 U	1 HU
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1 U	1 U	1 HU
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
cis-1,2-Dichloroethene	5		[23]	[5]	[23]	[5]	[15]	[13.1]	2.58	1.75	[9.52]	[8.99]	[6.48] H
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1 U	1 U	1 HU
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10 U	10 U	10 HU
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2 U	2 U	2 HU
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Tetrachloroethene	5		0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.50 U	0.12 J	0.50 U	0.50 U	0.5 U	0.5 HU
Toluene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
trans-1,2-Dichloroethene	5		0.2 J	0.1 J	0.2 J	0.5 U	0.1 J	0.11 J	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Trichloroethene	5		0.1 J	0.2 J	0.1 J	0.2 J	0.1 J	0.15 J	0.37 J	0.38 J	0.30 J	0.19 J	0.21 JH
Vinyl chloride	2		[24]	[2]	[22]	[3]	[17]	[13.9]	0.73 J	0.66 J	[10.7]	[12]	[9.18] H
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.00 U	1.00 U	1.00 U	1 U	1 U	1 HU

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-7D
		Depth Interval	-	-	-	-	-	-	-			-	
		Sample Date	5/21/2008	11/20/2008	10/20/2009	05/17/2010	1/18/2011	4/19/2011	7/27/2011	10/25/2011	10/25/2011	3/21/2012	8/8/2012
		Sample ID	MW 7-D-052108	MW 7-D-112008	MW-7D-10202009	W-7D-051710051720:	MW 7-D-01182011	MW-7D-041911	MW-7D072711	MW7D102511	X-1	MW7D032112	MW7D080812
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.52	0.41 J	1 U	1 U	0.74 J	1 U	0.65 J	1 U	1 U	0.4 J	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		2.86	2.33	2.3	2.1	3.9	0.92 J	4.2	1 U	2	2.4	0.86 J
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	---	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	---	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.12 J	0.3 J	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U
Toluene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.51	0.88	0.82 J	0.67 J	1 U	0.48 J	1 U	0.69 J	4.1	0.55 J	0.82 J
Vinyl chloride	2		[2.03]	1.08	1.3	1.6	[4.6]	1 U	[7.8]	1 U	1 U	2.1	1 U
Xylenes, Total	5		1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/18/2012	5/23/2013	8/20/2013	12/17/2013	3/26/2014	6/11/2014	9/24/2014	12/10/2014	3/18/2015	6/24/2015	9/23/2015
		Sample ID	MW-7D-121812	MW-7D-052313	MW-7D-082013	MW-7D-121713	MW-7D-032614	MW-7D-061114	MW7D092414	MW 7D 121014	MW7D031815	MW7D062415	MW7D 092315
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1.5	1 U	1 U	1 U	1 U	1.4	1	1 U	1 U	1
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.39 J	1 U	1 U	1 U	1 U	0.36 J	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1.2	0.49 J	1.1	1	1 U	1.2	0.46 J	0.59 J	1 U	0.71 J	0.63 J
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-07D	MW-07D	X-1
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	1/13/2016	3/29/2016	6/22/2016	9/21/2016	12/21/2016	4/12/2017	6/28/2017	9/13/2017	12/20/2017	3/14/2018	6/19/2018	6/19/2018
		Sample ID	MW7D 011316	MW7D 032916	MW7D 062216	MW7D 092116	MW7D 122116	MW7D 041217	MW7D 062817	MW7D 091317	MW7D 122017	MW 7D 031418	MW 7D 061918	MW 7D 061918
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U	0.89 J	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	5		---	----	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50		10 U *	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5		1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5		1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	0.90 J	0.83 J
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.61 J	0.36 J	0.36 J	0.36 J	1.0 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5		0.85 J	0.58 J	0.53 J	1 U	1.1	1.1	0.99 J	1.6	1.1	1.1	0.80 J	0.89 J
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U

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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D
		Depth Interval	-	-	-	-	-	-
		Sample Date	9/18/2018	11/28/2018	3/19/2019	6/20/2019	9/24/2019	12/18/2019
		Sample ID	MW 7D 091818	MW-7D-112818	MW-7D-031919	MW-7D-062019	MW-7D-092419	MW-7D-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.92 J	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	0.36 J	0.37 J	0.51 J*	ND	1 U
Toluene	5		1.0 U	1 U	1 U	1 U	1.0	1 U
trans-1,2-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		0.98 J	0.94 J	1.1	1.6	0.72 J	0.9 J
Vinyl chloride	2		1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD
		Depth Interval	53 - 55	66 - 68	82 - 84	-	53 - 55	53 - 55	53 - 55	53 - 55	53 - 55	-	-	-
		Sample Date	7/29/2003	7/29/2003	7/29/2003	2/4/2004	5/18/2004	8/4/2004	11/15/2004	2/14/2005	4/18/2005	9/8/2005	11/16/2005	
		Sample ID	MW-07DD_WG_072903	MW-07DD_WG_072903	MW-07DD_WG_072903	MW-07DD_WG_02040	MW-07DD_WG_051804	MW-07DD_WG_080404	MW-07DD_WG_111504	MW-07DD_WG_021405	MW-07DD_WG_041805	MW-7DD_09082005	MW-7DD_11162005	
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
1,1,1-Trichloroethane	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	0.50 U	0.50 U	
1,1,2,2-Tetrachloroethane	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	0.50 U	0.50 U	
1,1,2-Trichloroethane	1		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	0.50 U	0.50 U	
1,1-Dichloroethane	5		0.3 J	0.3 J	0.3 J	1	0.2 J	0.5 U	0.1 J	0.1 J	0.1 J	0.14 J	0.13 J	
1,1-Dichloroethene	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	0.50 U	0.50 U	
1,2-Dichloroethane	0.6		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	0.50 U	0.50 U	
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---	
1,2-Dichloropropane	1		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	0.50 U	0.50 U	
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U	
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U	
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.87 J	10.0 U	
Benzene	1		0.5 U	0.5 U	0.2 J	0.2 J	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.36 J	[1.23]	
Bromodichloromethane	50		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	0.50 U	0.50 U	
Bromoform	50		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	0.50 U	0.50 U	
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	
Carbon disulfide	60		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	0.11 J	0.33 J	
Carbon tetrachloride	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	0.50 U	0.50 U	
Chlorobenzene	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	0.50 U	0.50 U	
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	
Chloroform	7		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	0.50 U	0.50 U	
cis-1,2-Dichloroethene	5		0.4 J	0.5 J	0.5 J	[7]	0.3 J	0.3 J	0.4 J	0.3 J	0.2 J	0.35 J	0.36 J	
cis-1,3-Dichloropropene	0.4		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	0.50 U	0.50 U	
Dibromochloromethane	50		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	0.50 U	0.50 U	
Ethylbenzene	5		0.5 U	0.5 U	0.1 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10.0 U	10.0 U	
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.00 U	0.26 J	
Styrene	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	0.50 U	0.50 U	
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	
Toluene	5		0.5 U	0.5 U	0.3 J	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	
trans-1,2-Dichloroethene	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	0.50 U	0.50 U	
trans-1,3-Dichloropropene	0.4		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	0.50 U	0.50 U	
Trichloroethene	5		0.5 U	0.5 U	0.5 U	0.2 J	0.2 J	0.2 J	0.2 J	0.1 J	0.2 J	0.20 J	0.20 J	
Vinyl chloride	2		1 J	1 J	1 J	[9]	0.2 J	0.2 J	0.2 J	0.1 J	1 U	1.00 U	0.19 J	
Xylenes, Total	5		0.5 U	0.5 U	1	[5]	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.00 U	1.00 U	

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD
		Depth Interval	-	-	-	-			-	-	-	-	-
		Sample Date	4/26/2006	11/15/2006	5/2/2007	10/31/2007	5/22/2008	11/20/2008	10/20/2009	5/17/2010	1/18/2011	4/19/2011	7/27/2011
		Sample ID	MW-7DD (2)_0426200	MW-7DD(2)_1115200	MW-7DD (2)_050207	MW 7-DD 2-103107	MW 7-DD 2-052208	MW 7-DD 2-112008	MW-7DD-10202009	V-7DD-051710051720	MW-7DD-01182011	MW-7DD-041911	MW-7DD072711
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.00 U	5 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.00 U	5 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		1.23 J	10 U	10 U	3.39 JH	10 U	10 U	5 U	5 U	10 U	10 U	10 U
Benzene	1		0.50 U	[1.18]	0.5 U	0.28 JH	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.50 U	0.5 U	0.5 U	0.5 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.00 U	1 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.50 U	0.20 J	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.50 U	0.13 J	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.00 U	1 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.36 J	0.40 J	0.25 J	0.37 JH	0.29 J	0.25 J	0.88 J	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.00 U	1 U	1 U	1 HU	1 U	1 U	---	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10.0 U	10 U	10 U	10 HU	10 U	10 U	---	5 U	10 U	10 U	10 U
Methylene chloride	5		2.00 U	2 U	2 U	2 HU	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.15 J	0.10 J	0.23 J	0.1 JH	0.3 J	0.41 J	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	0.7 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.53	0.48 J	0.47 J	0.55 H	0.79	0.7	1 U	1 U	1 U	0.46 J	1 U
Vinyl chloride	2		1.00 U	1 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1.00 U	1 U	1 U	1 HU	1 U	1 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Data have not been validated

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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07DD	MW-07DD	MW-7DD	MW-7DD	X-1	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD
		Depth Interval		-		-	-	-	-	-	-	-	-
		Sample Date	10/26/2011	3/21/2012	8/8/2012	12/18/2012	12/18/2012	5/23/2013	8/20/2013	12/17/2013	3/26/2014	6/11/2014	9/24/2014
		Sample ID	MW7DD102611	MW7DD032112	MW7DD080812	MW-7DD-121812	MW-7DD-121812	MW-7DD-052313	MW-7DD-082013	MW-7DD-121713	MW-7DD-032614	MW-7DD-061114	MW7DD092414
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U*
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.62 J	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 J
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1.1	1.2	1.2	1 U	0.98 J	1 U	1 U	1 U	1.2
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.62 J	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.57 J	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/10/2014	3/18/2015	6/24/2015	9/23/2015	1/13/2016	3/29/2016	6/22/2016	9/21/2016	12/20/2016	4/12/2017	6/28/2017
		Sample ID	MW 7DD 121014	MW7DD031815	MW7DD062415	MW7DD 092315	MW7DD 011316	MW7DD 032916	MW7DD 062216	MW7DD 092116	MW7DD 122016	MW7DD 041217	MW7DD 062817
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	----	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.43 J	0.56 J	0.56 J	0.52 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.1	1 U	0.85 J	1.1	0.92 J	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 -	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 UF	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.59 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 UF	0.6 J	1 U	1 U	0.78 J	0.5 J
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 UF	2 U	2 U	2 U	2 U	2 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/13/2017	12/20/2017	3/14/2018	6/19/2018	9/18/2018	11/28/2018	3/19/2019	6/20/2019	9/24/2019	12/18/2019
		Sample ID	MW7DD 091317	MW7DD 122017	X-1 031418	MW 7DD 061918	MW 7DD 091818	MW-7DD-112818	MW-7DD-031919	MW-7DD-062019	MW-7DD-092419	MW-7DD-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5.0 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1.0 U	1.0 U	1.0 U	1.0 U	0.33 J B	1 U	0.46 J	1 U	1 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.2	1.0 U	1.0 U	1.0 U	1.1	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.59 J	1 U
trans-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1.0 U	1.0 U	0.53 J	1.0 U	1 U	1 U	1 U	0.61 J	0.67 J
Vinyl chloride	2		1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)		Location ID	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S
			Depth Interval	-	-	-	-	-	-	-	-	-	-	-
			Sample Date	9/14/1995	11/14/1995	7/23/1997	9/18/1997	2/18/2000	8/16/2001	11/28/2001	2/25/2002	5/16/2002	7/30/2003	2/3/2004
			Sample ID	MW-08S_WG_091495	MW-08S_WG_111495	MW-08S_WG_072397	MW-08S_WG_091897	MW-08S_WG_021800	MW-08S_WG_081601	MW-08S_WG_112801	MW-08S_WG_022502	MW-08S_WG_051602	MW-08S_WG_073003	MW-08S_WG_020304
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5			10 U	10 U	1 U	1 U	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J
1,2-Dichloroethane	0.6			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5			[13]	[11]	[8.7]	[8.2]	---	---	---	---	---	---	---
1,2-Dichloropropane	1			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50			10 UJ	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50			10 UJ	10 UJ	2 U	2 U	10 J	10 J	10 U	10 U	10 U	1 J	10 U
Benzene	1			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50			10 U	10 UJ	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5			10 U	10 U	2 U	2 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Carbon disulfide	60			10 U	10 U	1 U	1 U	0.5 U	0.5 U	10	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5			10 U	10 U	1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5			10 U	10 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Chloroform	7			10 UJ	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5			---	---	---	---	[9]	[7]	[5]	[5]	4	[5]	[5]
cis-1,3-Dichloropropene	0.4			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5			10 UJ	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			10 UJ	10 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			10 UJ	10 U	1 U	1 U	2 J	2 J	2 U	2 U	2 U	2 U	2 U
Styrene	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.2 J	0.9	1	0.4 J	0.7
Toluene	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5			---	---	---	---	0.5 J	0.1 J	0.1 J	0.5 U	0.1 J	0.1 J	0.2 J
trans-1,3-Dichloropropene	0.4			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5			2	2	1.7	1.6	3	1	3	[6]	[6]	3	[5]
Vinyl chloride	2			[3]	10 U	[2.3]	[2]	[3]	[2]	1	1	1 J	[2]	0.9 J
Xylenes, Total	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES:
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Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	5/17/2004	8/4/2004	11/16/2004	2/15/2005	4/19/2005	9/7/2005	11/16/2005	4/26/2006	11/15/2006	5/2/2007	11/1/2007
		Sample ID	MW-08S_WG_051704	MW-08S_WG_080404	MW-08S_WG_111604	MW-08S_WG_021505	MW-08S_WG_041905	MW-8S_09072005	MW-8S_11162005	MW-8S_04262006	MW-8S_11152006	MW-8S_050207	MW8-S-110107
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,1-Dichloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5 HU
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5 HU
Acetone	50		1 J	10 U	10 U	3 J	10 U	1.73 J	10.0 U	10.0 U	10.0 U	10 U	10 HU
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Bromoform	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
cis-1,2-Dichloroethene	5		[5]	3	4	4	4	2.56	3.76	2.44	2.5	2.79	1.27 H
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1 U	1 U	1 HU
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10 U	10 U	10 HU
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2 HU
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Tetrachloroethene	5		0.6	0.7	0.6	1	0.9	0.85	1.02	1.06	1.04	0.93	0.7 H
Toluene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
trans-1,2-Dichloroethene	5		0.2 J	0.1 J	0.2 J	0.2 J	0.2 J	0.12 J	0.18 J	0.12 J	0.14 J	0.16 J	0.5 HU
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Trichloroethene	5		3	3	3	[5]	[5]	3.56	4.39	4.1	3.7	3.29	2.37 H
Vinyl chloride	2		1	0.3 J	0.2 J	0.2 J	0.7 J	0.11 J	1.00 U	0.15 J	1.00 U	0.44 J	1 HU
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID / Depth Interval / Sample Date / Sample ID	MW-08S 5/22/2008 MW8-S-052208 ug/l	MW-08S 11/18/2008 MW8-S-111808 ug/l	MW-08S - 10/20/2009 MW-8S-10202009 ug/l	MW-08S - 05/18/2010 W-8S-051810051820: ug/l	MW-08S - 01/18/2011 MW-8S-01182011 ug/l	MW-08S - 4/19/2011 MW-8S-041911 ug/l	MW-08S - 7/27/2011 MW-8S072711 ug/l	MW-08S - 10/25/2011 MW8S102511 ug/l	MW-08S - 3/21/2012 MW8S032112 ug/l	MW-8S - 8/8/2012 MW8S080812 ug/l	MW-8S - 12/18/2012 MW-8S-121812 ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	1 U	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.45	1.48	0.6 J	1.8	3.4	2.3	1.2	2	4	2.8	2.6
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	---	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	---	1 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.14	1.18	1 U	1.4	0.78 J	1	1 U	1	0.85 J	0.76 J	0.94 J
Toluene	5		0.5 U	0.5 U	2	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.11 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		3.83	3.79	1.1	4.9	3.3	[5]	1.4	4	3.8	3	4.3
Vinyl chloride	2		1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	0.93 J	1 U	1 U
Xylenes, Total	5		1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8S	MW-8S	X-1-082013	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	5/22/2013	8/20/2013	8/20/2013	12/17/2013	3/26/2014	6/11/2014	9/24/2014	12/10/2014	3/17/2015	6/24/2015	9/23/2015
		Sample ID	MW-8S-052313	MW-8S-082013	MW-8S-082013	MW-8S-121713	MW-8S-032614	MW-8S-061114	MW8S092414	MW 8S 121014	MW8S 031715	MW8S 062415	MW8S 092315
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		4.2	3.9	3.8	3.3	1.3	2.7	2.2	2.2	1.2	2.3	2.8
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.56 J	0.43 J	0.47 J	0.64J	0.66 J	0.89 J	0.63 J	0.72 J	0.76 J	0.77 J	0.55 J
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		2.7	2.8	2.7	3.6	2.7	4.5	3.1	3.7	2.8	3.6	3.3
Vinyl chloride	2		1.4	1	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S	MW-08S	MW-08S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	1/13/2016	3/29/2016	6/22/2016	9/21/2016	12/21/2016	4/12/2017	6/28/2017	9/13/2017	12/20/217	3/14/2018	6/19/2018
		Sample ID	MW8S 011316	MW8S 032916	MW8S 062216	MW8S 092116	MW8S 122116	MW8S 041217	MW8S 062817	MW8S 091317	MW8S 122017	MW 8S 031418	MW 8S 061918
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	5		---	----	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U F1	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U F1	5.0 U	5.0 U	5.0 U
Acetone	50		10 U *	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5		1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5		2.2	2.4	2.7	1 U	2.1	2.1	2.1	3	1.0 U	2.1	2.6
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5		0.73 J	0.89 J	0.72 J	1 U	0.55 J	0.61 J	0.58 J	0.74 J	0.86 J	0.65 J	0.53 J
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U
Trichloroethene	5		3.5	4.5	3.1	1.1	2.4	3.5	3.1	3	3.3	2.6	2.4
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U F1	2.0 U	2.0 U	2.0 U

NOTES:
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Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S
		Depth Interval	-	-	-	-	-	-
		Sample Date	9/18/2018	11/28/2018	3/19/2019	6/20/2019	9/24/2019	12/18/2019
		Sample ID	MW 8S 061918	MW-8S-112818	MW-8S-031919	MW-8S-062019	MW-8S-092419	MW-8S-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		3.2	2	1.9	2.3	2.2	2.5
cis-1,3-Dichloropropene	0.4		1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.58 J	0.66 J	0.76 J	0.67 J*	1 U	0.7 J
Toluene	5		1.0 U	1 U	1 U	1 U	0.75 J	1 U
trans-1,2-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		2.9	2.7	3.1	2.8	1.7	3.4
Vinyl chloride	2		1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)		Location ID	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D
			Depth Interval	-	-	-	-	-	-	-	-	-	-	-
			Sample Date	9/13/1995	11/14/1995	7/23/1997	9/18/1997	2/18/2000	8/16/2001	11/28/2001	2/25/2002	5/16/2002	7/30/2003	2/3/2004
			Sample ID	MW-08D_WG_091395	MW-08D_WG_111495	MW-08D_WG_072397	MW-08D_WG_091897	MW-08D_WG_021800	MW-08D_WG_081601	MW-08D_WG_112801	MW-08D_WG_022502	MW-08D_WG_051602	MW-08D_WG_073003	MW-08D_WG_020304
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			10 U	10 U	1 U	1 U	0.3 J	0.3 J	0.2 J	0.2 J	0.1 J	0.2 J	0.5 U
1,1,2,2-Tetrachloroethane	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5			10 U	10 U	1.7	2	3	3	3	2	2	3	2
1,1-Dichloroethene	5			10 U	10 U	1 U	1 U	0.2 J	0.1 J	0.1 J	0.1 J	0.1 J	0.5 U	0.5 U
1,2-Dichloroethane	0.6			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5			10 U	10 U	4.1	[5.3]	---	---	---	---	---	---	---
1,2-Dichloropropane	1			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50			10 UJ	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50			21	10 UJ	2 U	2 U	10 U	10 J	10 U	10 U	10 U	1 J	10 U
Benzene	1			[1]	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50			10 U	10 UJ	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5			10 U	10 U	2 U	2 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Carbon disulfide	60			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5			10 U	10 U	1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5			10 U	10 U	1 U	1 U	0.9 J	0.5 J	0.7 J	0.7 J	0.7 J	1 U	1 U
Chloroform	7			10 UJ	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5			---	---	---	---	[14]	[14]	[13]	[12]	[13]	[5]	2
cis-1,3-Dichloropropene	0.4			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5			0.8	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5			10 UJ	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			10 UJ	10 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			10 UJ	10 U	1 U	1 U	2 J	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5			3	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5			---	---	---	---	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5			10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2			10 U	10 U	[9.1]	[11]	[24]	[24]	[28]	[25]	[25]	[9]	[3]
Xylenes, Total	5			[5]	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D
		Depth Interva	-	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	5/17/2004	8/4/2004	11/16/2004	2/15/2005	4/18/2005	9/7/2005	11/16/2005	4/26/2006	11/15/2006	5/2/2007	11/1/2007	5/22/2008
		Sample ID	MW-08D_WG_051704	MW-08D_WG_080404	MW-08D_WG_111604	MW-08D_WG_021505	MW-08D_WG_041805	MW-8D_09072005	MW-8D_11162005	MW-8D_04262006	MW-8D_11152006	MW-8D_050207	MW8-D-110107	MW8-D-052208
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
1,1-Dichloroethane	5		2	2	2	2	2	1.24	1.14	1.09	0.78	0.81	0.69 H	0.51
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5 HU	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5 HU	5 U
Acetone	50		10 U	1 J	10 U	2 J	10 U	1.92 J	10.0 U	10.0 U	10.0 U	10 U	10 HU	10 U
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Bromoform	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU	1 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU	1 U
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
cis-1,2-Dichloroethene	5		4	3	2	3	4	3.53	4.89	4.36	4.6	[5.33]	1.01 H	4.39
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10 HU	10 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2 HU	2 U
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Toluene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Trichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U
Vinyl chloride	2		[10]	[5]	[3]	[7]	[11]	[9.34]	[13.2]	[13.8]	[16.7]	[17.1]	1.71 H	[22]
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU	1 U

NOTES:
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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-8D	MW-8D	MW-8D
		Depth Interval	-	-			-	-		-		-	-
		Sample Date	11/18/2008	10/20/2009	05/18/2010	01/19/2011	4/19/2011	7/27/2011	10/25/2011	3/21/2012	8/8/2012	12/18/2012	5/22/2013
		Sample ID	MW8-D-111808	MW-8D-10202009	W-8D-051810051820	MW-8D-01192011	MW-8D-041911	MW-8D072711	MW8D102511	MW8D032112	MW8D080812	MW-8D-121812	MW-8D-052213
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.48 J	1 U	1 U	1 U	0.49 J	1 U	0.38 J	1 U	0.44 J	0.52 J	1 U
1,1-Dichloroethene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.52 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		2.72	0.72 J	2.3	2.6	2.4	2	1.8	2	2.1	2.4	1.4
cis-1,3-Dichloropropene	0.4		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	---	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	---	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 U	3.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		[9.24]	[2]	[4.9]	[8.3]	[7.1]	[5.4]	[4.5]	[4.9]	[5.2]	[5.9]	[3.8]
Xylenes, Total	5		1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

RAMBOLL

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8D	MW-8D	MW-8D	X-1	MW-8D	MW-8D	X-1	MW-8D	MW-8D	MW-8D	MW-8D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	8/20/2013	12/17/2013	3/26/2014	3/26/2014	6/11/2014	9/24/2014	9/24/2014	12/10/2014	3/17/2015	6/24/2015	9/23/2015
		Sample ID	MW-8D-082013	MW-8D-121713	MW-8D-032614	MW-8D-032614	MW-8D-061114	MW8D092414	MW8D092414	MW 8D 121014	MW8D 031715	MW8D 062415	MW8D 092315
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.39 J	1 U	1 U	1 U	1.1	0.91 J	0.91 J	0.94 J	0.99 J	0.97 J	0.98 J
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.9	2	1.2	1.1	3.2	1.5	1.6	1.3	0.94 J	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		[6.4]	[5.5]	[2.4]	[2.2]	[7.6]	[4.6]	[4.6]	[3.5]	1.8	1.2 ^	0.93 J
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8D	MW-8D	MW-8D	MW-8D	MW-8D	MW-8D	MW-8D	MW-8D	MW-8D	MW-08D	MW-08D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	1/13/2016	3/30/2016	6/22/2016	9/21/2016	12/21/2016	4/13/2017	6/28/2017	9/13/2017	12/20/2017	3/14/2018	6/19/2018
		Sample ID	MW8D 011316	MW-8D-033016	MW-8D-062216	MW-8D-092116	MW-8D-122116	MW-8D-041317	MW-8D-062817	MW-8D-091317	MW-8D-122017	MW 8D 031418	MW 8D 061918
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5		0.99 J	0.83 J	0.94 J	1 U	0.86 J	0.66 J	0.62 J	0.75 J	0.89 J	0.48 J	0.84 J
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	5		---	----	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Acetone	50		10 U *	10 U*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	0.24 J	1 U	1 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2		0.9 J	1 U	1 U	1 U	1 U	1.6	0.96 J	1 U	1.0 U	0.99 J	1.0
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U

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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D
		Depth Interval	-	-	-	-	-	-
		Sample Date	9/18/2018	11/28/2018	3/19/2019	6/20/2019	9/24/2019	12/18/2019
		Sample ID	MW 8D 091818	MW-8D-112818	MW-8D-031919	MW-8D-062019	MW-8D-092419	MW-8D-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1 U F2	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.95 J	0.55 J	0.52 J	1 U	0.75 J	0.38 J
1,1-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5 U * F1	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1 U F2	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	0.24 J B	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1 U * F1	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1 U	1 U	1 U*	1 U	1 U
Toluene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1 U * F1	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		0.97 J	1 U	1.1	1 U	1.1	1 U
Xylenes, Total	5		2.0 U	2 U	2 U	2 U	2 U	2 U

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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD
		Depth Interval	53 - 56	69 - 70	80 - 83	-	53 - 56	53 - 56	53 - 56	53 - 56	53 - 56	-	-
		Sample Date	7/28/2003	7/28/2003	7/28/2003	2/4/2004	5/17/2004	8/4/2004	11/15/2004	2/15/2005	4/19/2005	9/8/2005	11/16/2005
		Sample ID	MW-08DD_WG_072803	MW-08DD_WG_072803	MW-08DD_WG_072803	MW-08DD_WG_02040	MW-08DD_WG_051704	MW-08DD_WG_080404	MW-08DD_WG_111504	MW-08DD_WG_021505	MW-08DD_WG_041905	MW-8DD_09082005	MW-8DD_11162005
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	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	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	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	0.50 U	0.50 U
1,1,2-Trichloroethane	1		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	0.50 U	0.50 U
1,1-Dichloroethane	5		1	1	1	0.2 J	1	0.9	1	0.7	0.8	0.66	0.73
1,1-Dichloroethene	5		0.1 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
1,2-Dichloroethane	0.6		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	0.50 U	0.50 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		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	0.50 U	0.50 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U
Acetone	50		10 U	10 U	10 U	10 U	1 J	10 U	10 U	2 J	10 U	1.34 J	10.0 U
Benzene	1		0.5 U	0.5 U	0.5 U	0.1 J	0.2 J	0.5 U	0.1 J	0.5 U	0.5 U	0.50 U	0.10 J
Bromodichloromethane	50		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	0.50 U	0.50 U
Bromoform	50		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	0.50 U	0.50 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.1 J	0.5 U	0.1 J	0.17 J	0.14 J
Carbon tetrachloride	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	0.50 U	0.50 U
Chlorobenzene	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	0.50 U	0.50 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U
Chloroform	7		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	0.50 U	0.50 U
cis-1,2-Dichloroethene	5		[8]	[11]	[12]	0.7	0.6	0.7	1	0.4 J	0.8	1.56	0.14 J
cis-1,3-Dichloropropene	0.4		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	0.50 U	0.50 U
Dibromochloromethane	50		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	0.50 U	0.50 U
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.1 J	0.2 J	0.5 U	0.5 U	0.50 U	0.50 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10.0 U	10.0 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.00 U	0.17 J
Styrene	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	0.50 U	0.50 U
Tetrachloroethene	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	0.50 U	0.50 U
Toluene	5		0.5 U	0.5 U	0.2 J	0.1 J	0.5	0.3 J	0.1 J	0.5 U	0.5 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	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	0.50 U	0.50 U
trans-1,3-Dichloropropene	0.4		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	0.50 U	0.50 U
Trichloroethene	5		0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.50 U	0.50 U
Vinyl chloride	2		[15]	[14]	[16]	0.8 J	1	1	[2]	0.7 J	[2]	[2.99]	0.25 J
Xylenes, Total	5		0.5 U	0.5 U	0.5	0.5	3	1	0.8	0.2 J	0.5 U	1.00 U	1.00 U

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	4/26/2006	11/15/2006	5/2/2007	11/1/2007	5/22/2008	11/18/2008	10/20/2009	05/18/2010	01/18/2011	4/19/2011	7/27/2011
		Sample ID	MW-8DD_04262006	MW-8DD_11152006	MW-8DD_050207	MW-8DD-110107	MW-8DD-052208	MW-8DD-111808	MW-8DD-10202009	V-8DD-051810051820	MW-8DD-01182011	MW-8DD-041911	MW-8DD072711
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.54	0.48 J	0.41 J	0.28 JH	0.34 J	0.35 J	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.00 U	5.00 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.00 U	5.00 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10.0 U	10.0 U	10 U	10 HU	10 U	10 U	5 U	5 U	10 U	10 U	10 U
Benzene	1		0.14 J	0.10 J	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.50 U	0.50 U	0.5 U	0.5 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.00 U	1.00 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.22 J	0.10 J	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.00 U	1.00 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.50 U	0.50 U	0.42 J	1.83 H	0.5 U	0.62	1 U	1 U	2	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.00 U	1.00 U	1 U	1 HU	1 U	1 U	---	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10.0 U	10.0 U	10 U	10 HU	10 U	10 U	---	5 U	10 U	10 U	10 U
Methylene chloride	5		0.23 J	2.00 U	2 U	2 HU	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1.2	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.00 U	1.00 U	0.81 J	[2.47] H	1 U	1.19	1 U	1.3	[2.2]	0.99 J	1 U
Xylenes, Total	5		1.00 U	1.00 U	1 U	1 HU	1 U	1 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

RAMBOLL

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-08DD	MW-08DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD
		Depth Interval	-	-		-	-	-	-	-	-	-	-
		Sample Date	10/25/2011	3/21/2012	8/8/2012	12/18/2012	5/22/2013	8/20/2013	12/17/2013	3/26/2014	6/11/2014	9/24/2014	12/10/2014
		Sample ID	MW8DD102511	MW8DD032112	MW8DD080812	MW-8DD-121812	MW-8DD-052213	MW-8DD-082013	MW-8DD-121713	MW-8DD-032614	MW-8DD-061114	MW8DD092414	MW 8DD 121014
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.1	1 U	1 U	1 U	1 U	1 U	1 U	0.92 J	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.3	1 U	1 U	1 U	1 U	1 U	1 U	0.93 J	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	3/18/2015	6/24/2015	9/23/2015	1/13/2016	3/30/2016	6/22/2016	9/21/2016	12/21/2016	4/13/2017	6/28/2017	9/13/2017
		Sample ID	MW8DD031815	MW8DD062415	MW8DD 092315	MW8DD 011316	MW-8DD-033016	MW-8DD-062216	MW-8DD-092116	MW-8DD-122116	MW-8DD-041317	MW-8DD-062817	MW-8DD-062817
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	----	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U *	10 U*	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U *	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	0.46 J	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8DD	X-1	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/217	12/20/217	3/14/2018	6/19/2018	9/18/2018	11/28/2018	3/19/2019	6/20/2019	9/24/2019	12/18/2019
		Sample ID	MW-8DD-122017	MW-8DD-122017	MW 8DD 031418	MW 8DD 061918	MW 8DD 091818	MW-8DD-112818	MW-8DD-031919	MW-8DD-062019	MW-8DD-092419	MW-8DD-121819
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	0.83 J	1 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U*	1 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.94 J	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Table 4
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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)		Location ID	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
			Depth Interval	-	-	-	-	-	-	-	-	-	-	-
			Sample Date	8/1/1997	9/15/1997	2/15/2000	8/14/2001	11/29/2001	2/27/2002	5/15/2002	7/30/2003	2/5/2004	5/18/2004	8/5/2004
			Sample ID	MW-10S_WG_080197	MW-10S_WG_091597	MW-10S_WG_021500	MW-10S_WG_081401	MW-10S_WG_112901	MW-10S_WG_022702	MW-10S_WG_051502	MW-10S_WG_073003	MW-10S_WG_020504	MW-10S_WG_051804	MW-10S_WG_080504
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			1 U	1 U	0.2 J	0.5 U	0.2 J	0.2 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5			1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1			1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5			1 U	1 U	2	1	2	2	1	0.9	0.7	0.7	0.4 J
1,1-Dichloroethene	5			1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6			1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5			1.3	2	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1			1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50			2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50			2 U	2 U	10 U	10 J	10 U	3 J	10 U	10 U	10 U	10 U	2 J
Benzene	1			1 U	1 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
Bromodichloromethane	50			1 U	1 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
Bromoform	50			1 U	1 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
Bromomethane	5			2 U	2 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60			1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5			1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5			1 U	1 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
Chloroethane	5			1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7			1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5			---	---	0.5 U	0.9	0.8	0.7	0.8	2	1	1	1
cis-1,3-Dichloropropene	0.4			1 U	1 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
Dibromochloromethane	50			1 U	1 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
Ethylbenzene	5			1 U	1 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
Methyl chloride	5			1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			1 U	1 U	2 U	2 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5			1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5			1 U	1 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
Toluene	5			1 U	1 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
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4			1 U	1 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
Trichloroethene	5			1 U	1 U	0.1 J	0.5 U	0.2 J	0.1 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2			1.5	1.5	0.3 J	0.2 J	1 U	0.1 J	0.1 J	0.9 J	0.4 J	0.6 J	0.4 J
Xylenes, Total	5			1 U	1 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

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	11/17/2004	2/15/2005	4/20/2005	9/6/2005	11/14/2005	4/25/2006	11/14/2006	5/3/2007	10/30/2007	5/22/2008	11/19/2008
		Sample ID	MW-10S_WG_111704	MW-10S_WG_021505	MW-10S_WG_042005	MW-10S_09062005	MW-10S_11142005	MW-10S_04252006	MW-10S_11142006	MW-10S_050307	MW 10 S-103007	MW 10 S-052208	MW 10 S-111908
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
1,1-Dichloroethane	5		0.3 J	0.2 J	0.4 J	0.26 J	0.54	0.37 J	0.35 J	0.21 J	0.5 HU	0.2 J	0.24 J
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
2-Hexanone	50		5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5 HU	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5 HU	5 U	5 U
Acetone	50		10 U	2 J	10 U	2.83 J	1.44 J	1.23 J	10 U	1.05 J	10 HU	10 U	10 U
Benzene	1		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Bromoform	50		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Chloroethane	5		1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU	1 U	1 U
Chloroform	7		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		0.5 J	0.6	0.8	0.65	1.6	1.03	1.22	0.68	0.57 H	1.09	1.36
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Methyl chloride	5		1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU	1 U	0.33 J
Methyl ethyl ketone	50		10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10 HU	10 U	10 U
Methylene chloride	5		2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2 HU	2 U	2 U
Styrene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Toluene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Trichloroethene	5		0.5 U	0.1 J	0.1 J	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U
Vinyl chloride	2		0.2 J	1 U	0.3 J	0.21 J	0.61 J	0.34 J	0.39 J	1 U	1 HU	1 U	0.45 J
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU	1 U	1 U

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			Depth Interval	-	-	-	-	-		-		-		
			Sample Date	10/22/2009	05/18/2010	01/20/2011	4/20/2011	7/26/2011	10/27/2011	3/20/2012	8/7/2012	12/19/2012	5/21/2013	8/22/2013
			Sample ID	MW-10S-10222009	W-10S-051810051820	MW-10S-01202011	MW-10S-042011	MW-10S072611	MW10S102711	MW10S032012	MW10S080712	MW-10S-121912	MW-10-052113	MW-10-082213
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5			---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50			5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5			1.5	1.8	1.2	1 U	1.3	1.2	0.96 J	0.93 J	1.3	1 U	0.91 J
cis-1,3-Dichloropropene	0.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5			---	1 U	0.81 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			---	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	X-1	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
		Depth Interval		-	-	-	-	-	-	-	-	-	-
		Sample Date	12/18/2013	3/25/2014	6/10/2014	9/23/2014	12/9/2014	12/9/2014	3/17/2015	6/25/2015	9/22/2015	1/12/2016	3/29/2016
		Sample ID	MW-10S-121813	MW-10S-032514	MW-10S-061014	MW10S092314	MW 10S 120914	MW 10S 120914	MW10S 031715	MW10S 062515	MW10S 092215	MW10S 011216	MW10S 032916
			ug/l	ug/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U*	1 U*	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	----
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U *	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U*	1 U*	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.3	1 U	1 U	0.82 J	[5.1]	[5.2]	1 U	1 U	1 U	1.9	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U*	1 U*	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1.6	1.7	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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RAMBOLL

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	6/21/2016	9/20/2016	12/20/2016	4/11/2017	6/27/2017	9/12/2017	12/21/2017	3/15/2018	6/20/2018
		Sample ID	MW10S 062116	MW10S 092016	MW10S 122016	MW10S 041117	MW10S 062717	MW10S 091217	MW10S 122117	MW 10S 031518	MW 10S 062018
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5		[10]	[14]	[13]	1.2	1.3	[29]	3.3	2.9	[12]
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Vinyl chloride	2		[2.3]	[2.8]	[1.4]	1 U	1 U	[6.6]	1 U	1.0 U	[2.3]
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U

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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
		Depth Interval	-	-	-	-	-	-	-	-
		Sample Date	9/19/2018	9/19/2018	11/28/2018	11/28/2018	3/20/219	6/20/2019	9/25/2019	12/19/2019
		Sample ID	X-1	MW 10S 091918	X-1-112818	MW-10S-112818	MW-10S-032019	MW-10S-062019	MW-10S-092519	MW-10S-121919
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5 U *	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.0 U*	5.0 U*	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		[30]	[37]	1.1	1	1 U	1 U	[20]	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1 U *	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U*	1 U	1 U
Toluene	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	0.59 J	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1 U *	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5		1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		[4.0]	[4.9]	1 U	1 U	1 U	1 U	[3.5]	1 U
Xylenes, Total	5		2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U

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RAMBOLL

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	7/29/1997	9/15/1997	2/15/2000	8/14/2001	11/29/2001	2/27/2002	5/15/2002	7/30/2003	2/5/2004	5/18/2004	8/5/2004
		Sample ID	MW-10D_WG_072997	MW-10D_WG_091597	MW-10D_WG_021500	MW-10D_WG_081401	MW-10D_WG_112901	MW-10D_WG_022702	MW-10D_WG_051502	MW-10D_WG_073003	MW-10D_WG_020504	MW-10D_WG_051804	MW-10D_WG_080504
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		1 U	1 U	2	0.5	0.5 J	1	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5		1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		1 U	1 U	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		2 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Benzene	1		1 U	1 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
Bromodichloromethane	50		1 U	1 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
Bromoform	50		1 U	1 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
Bromomethane	5		2 U	2 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		1 U	1 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
Chloroethane	5		1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.3	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	0.5 U	0.3 J	0.3 J	0.4 J	0.3 J	0.1 J	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4		1 U	1 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
Dibromochloromethane	50		1 U	1 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
Ethylbenzene	5		1 U	1 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
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	2 U	2 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5		1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		1 U	1 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
Toluene	5		1 U	1 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
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4		1 U	1 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
Trichloroethene	5		1 U	1 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
Vinyl chloride	2		1 U	1 U	0.8 J	0.7 J	[2]	0.5 J	1	0.2 J	1 U	0.1 J	1 U
Xylenes, Total	5		1 U	1 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

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	11/17/2004	2/15/2005	4/20/2005	9/6/2005	11/14/2005	4/25/2006	11/14/2005	4/25/2006	11/14/2006	5/3/2007	10/30/2007
		Sample ID	MW-10D_WG_111704	MW-10D_WG_021505	MW-10D_WG_042005	MW-10D_09062005	MW-10D_11142005	MW-10D_04252006	MW-10D_11142005	MW-10D_04252006	MW-10D_11142006	MW-10D_050307	MW 10 D-103007
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,1-Dichloroethane	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
2-Hexanone	50		5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5 HU
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5 U	5 HU
Acetone	50		10 U	2 J	10 U	1.94 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10 HU
Benzene	1		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Bromoform	50		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Bromomethane	5		1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Chloroethane	5		1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU
Chloroform	7		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Methyl chloride	5		1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU
Methyl ethyl ketone	50		10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10 HU
Methylene chloride	5		2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2 HU
Styrene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Toluene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Trichloroethene	5		0.5 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 HU
Vinyl chloride	2		1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1 HU

NOTES:
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Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)		Location ID	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
			Depth Interval			-			-	-	-		-	
			Sample Date	5/22/2008	11/19/2008	10/22/2009	5/18/2010	1/20/2011	7/26/2011	4/20/2011	7/26/2011	10/27/2011	3/20/2012	8/7/2012
			Sample ID	MW 10 D-052208	MW 10 D-111908	MW-10D-10222009	V-10D-051810051820	MW-10D-01202011	MW-10D072611	MW-10D-042011	X1072611	MW10D102711	MW10D032012	MW10D080712
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5			---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50			10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5			1 U	1 U	---	1 U	0.93 J	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50			10 U	10 U	---	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5			0.5 U	0.5 U	1 U	1 U	0.91 J	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5			0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5			1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10D	MW-10D	MW-10D	MW-10D	X-1-121813	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	X-1
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/19/2012	5/21/2013	8/22/113	12/18/2013	12/18/2013	3/25/2014	6/10/2014	9/23/2014	12/9/2014	3/17/2015	3/17/2015
		Sample ID	MW-10D-121912	MW-10D-052113	MW-10D-082213	MW-10D-121813	MW-10D-121813	MW-10D-032514	MW-10D-061014	MW10D092314	MW 10D 120914	MW10D 031715	MW10D 031715
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 I	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U *	1 U *	1 U	1 U	1 U	1 U*	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U *	1 U *	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Niagara Falls, New York

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		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	6/25/2015	9/22/2015	1/12/2016	3/29/2016	6/21/2016	9/20/2016	12/20/2016	4/12/2017	6/27/2017	9/12/2017
		Sample ID	MW10D 062515	MW10D 092215	MW10D 011216	MW10D 032916	MW10D 062116	MW10D 092016	MW10D 122016	MW10D 041217	MW10D 062717	MW10D 091217
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	----	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Data - VOCs
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)		Location ID	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
			Depth Interval	-	-	-	-	-	-	-	-	-
			Sample Date	12/21/2017	3/15/2018	6/20/2018	9/19/2018	11/28/2018	3/20/219	6/20/2019	9/25/2019	12/19/2019
			Sample ID	MW10D 122117	MW 10D 031518	MW 10D 062018	MW 10D 091918	MW-10D-112818	MW-10D-031919	MW-10D-062019	MW-10D-092519	MW-10D-121919
				ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5			---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50			5 U	5.0 U	5.0 U	5.0 U	5 U *	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS			5 U	5.0 U	5.0 U	5.0 U*	5 U	5 U	5 U	5 U	5 U
Acetone	50			10 U	3.0 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4			1 U	1.0 U	1.0 U	1.0 U	1 U *	1 U	1 U	1 U	1 U
Dibromochloromethane	50			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.38 J	1 U
Methyl ethyl ketone	50			10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U*	1 U	1 U
Toluene	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	0.56 J	1 U
trans-1,2-Dichloroethene	5			1 U	1.0 U	1.0 U	1.0 UF1	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4			1 U	1.0 U	1.0 U	1.0 UF1	1 U *	1 U	1 U	1 U	1 U
Trichloroethene	5			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2			1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5			2 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-01S - 2/14/2000 MW-01S_WG_021400 mg/l	MW-01S - 8/13/2001 MW-01S_WG_081301 mg/l	MW-01S - 11/26/2001 MW-01S_WG_112601 mg/l	MW-01S - 2/25/2002 MW-01S_WG_022502 mg/l	MW-01S - 5/13/2002 MW-01S_WG_051302 mg/l	MW-01S - 11/16/2004 MW-01S_WG_111604 mg/l	MW-01S - 11/15/2005 MW-1S_11152005 mg/l	MW-01S - 11/14/2006 MW-1S_11142006 mg/l	MW-01S - 10/29/2007 MW-1S-102907 mg/l	MW-01S - 11/18/2008 MW-1S-111808 mg/l	MW-01S - 10/19/2009 MW-1S-10192009 mg/l
Alkalinity (As Caco3)	NS	mg/L	250	300	270	260	340	270	260	300	240	260	356 D,B
Chloride	250	mg/L	[560]	[920]	[670]	[660]	[510]	[1000]	[940]	[970]	[1700]	[1300]	[841] D,B
Nitrate (as N)	10	mg/L	0.24	0.05 U	0.27	0.08	0.05 U	0.05 U	0.05 U	0.1 U	0.1	0.2 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.0046 J	0.05 U	0.1 U	0.1	0.2 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	0.24	0.05 U	0.27	0.08	0.05 U	0.05 U	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	[270]	[290]	220	[280]	[360]	[320]	[280]	[280]	240	217 D
Total Sulfides	NS	mg/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.40 J	0.40 J	0.8 U	1	1 U	0
Total Organic Carbon, Filter	NS	mg/L	5	6	3	1	2	3.6	9.2	5.1	3	15	2.3
pH	NS	STD u	7.3	---	---	---	---	---	---	---	---	---	---

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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-01S - 05/18/2010 W-1S-051810051820: mg/l	MW-01S - 1/19/2011 MW-1S_01192011 mg/l	MW-01S - 4/18/2011 MW-1S-041811 mg/l	MW-01S - 7/26/2011 MW-1S072611 mg/l	MW-01S - 10/25/2011 MW1S102511 mg/l	MW-01S - 3/20/2012 MW1S032012 mg/l	MW-01S - 8/7/2012 MW1S080712 mg/l	MW-1S - 12/18/2012 MW-1S-121812 mg/l	MW-1S - 5/21/2013 MW-1S-052113 mg/l	MW-1S - 8/19/2013 MW-1S-081913 mg/l	MW-1S - 12/18/2013 MW-15-121813 mg/l
Alkalinity (As Caco3)	NS	mg/L	279 B	268	200 B	322 B	288	---	292	218	241	305 B	300
Chloride	250	mg/L	[1570]	[1190]	[1860] B	[1130]	[786]	[1370] B	[1040]	[604 B]	[1270 B]	[753 B]	[557]
Nitrate (as N)	10	mg/L	0.21	0.15	0.35	0.05 U	0.055	0.22	0.1	3.3	2.6	0.6	0.34
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 H	0.09	0.059	0.037 J
Nitrite-Nitrate Nitrogen	NS	mg/L		---	---		---	---	---	---		---	---
Sulfate	250	mg/l	228	241 B	190	226	227	---	224	351	349	[369]	[311]
Total Sulfides	NS	mg/l	0.01	0.1 U	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total Organic Carbon, Filter	NS	mg/L	3.7	1 U	2.2	3.9	5.3	1 U	1.4	2.8	5.2	3	3.5
pH	NS	STD u		---	---	---	---	---	---	---	---	---	---

NOTES:
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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-1S - 3/25/2014 MW-1S-032514 mg/l	MW-1S - 6/9/2014 MW-1S-060914 mg/L	MW-1S 9/23/2014 MW1S092314 mg/l	MW-1S 4/11/2017 MW1S041117 mg/l	X-1 4/11/2017 MW1S041117 mg/l	MW-1S 9/12/2017 MW1S091217 mg/l	MW-1S 9/18/2018 MW1S091818 mg/l	MW-1S 3/18/2019 MW1S031819 mg/l	MW-1S 9/24/2019 MW1S092419 mg/l
Alkalinity (As Caco3)	NS	mg/L	203	282	363 B	265	282	349 B	300 B	207 B	344
Chloride	250	mg/L	[2030]	[1260]	[880]	[1150]	[1180]	[788]	[1640]	[2240]	[895]
Nitrate (as N)	10	mg/L	0.37	0.41	0.67	0.12	0.13	0.05 U	0.041 J	0.17 H	0.022 J
Nitrite (as N)	1	mg/l	0.022 JB	0.05 U	0.033 JB	0.05	0.05	0.05 U	0.050 U	0.050 UH	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	[292]	[278]	[275] B	217	217	217	[409]	243	174
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.05 J	0.06 J	0.1 U	0.10 UH	0.10 UH*	1.0 U
Total Organic Carbon, Filter	NS	mg/L	3	3.1	4.3	2.2	2.3	4.5 B	4.2 B	2.7 B	4.5
pH	NS	STD u	---	---	---	---	---	---	---	---	---

NOTES:
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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-01D - 2/14/2000 MW-01D_WG_021400 mg/l	MW-01D - 8/13/2001 MW-01D_WG_081301 mg/l	MW-01D - 11/26/2001 MW-01D_WG_112601 mg/l	MW-01D - 2/25/2002 MW-01D_WG_022502 mg/l	MW-01D - 5/13/2002 MW-01D_WG_051302 mg/l	MW-01D - 11/16/2004 MW-01D_WG_111604 mg/l	MW-01D - 11/15/2005 MW-1D_11152005 mg/l	MW-01D - 11/14/2006 MW-1D_11142006 mg/l	MW-01D - 10/29/2007 MW-1D-102907 mg/l	MW-01D - 11/18/2008 MW-1D-111808 mg/l	MW-01D - 10/19/2009 MW-1D-10192009 mg/l
Alkalinity (As Caco3)	NS	mg/L	330	310	340	330	340	320	320	340	330	310	394 D,B
Chloride	250	mg/L	[270]	220	[260]	240	[250]	220	[260]	[350]	240	[250]	[371] D,B
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	170	[260]	230	190	[260]	240	240	230	210	211 D
Total Sulfides	NS	mg/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.60 J	0.8 U	0.8 U	1	1 U	0
Total Organic Carbon, Filter	NS	mg/L	1 U	1	4	1 U	1 U	3.6	8.8	8.4	3.8	3.7	2
pH	NS	STD u	7.4	---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, B - analyte was detected in the associated method blank, R - unusable, NS - no standard, Dup - duplicate sample, --- Not Analyzed
H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Location ID			MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-1D	X-1	MW-1D	MW-1D	MW-1D
Depth Interval			-	-	-	-	-	-	-	-	-	-	-
Sample Date			5/18/2010	1/19/2011	4/18/2011	7/26/2011	10/25/2011	3/20/2012	8/7/2012	8/7/2012	12/18/2012	5/21/2013	8/19/2013
Sample ID			W-1D-051810051820:	MW-1D-01192011	MW-1D-041811	MW-1D072611	MW1D102511	MW1D032012	MW1D080712	MW1D080712	MW-1D-121812	MW-1D-052113	MW-1D-081913
Chemical Name	Class GA GW Stds (mg/l)	units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Alkalinity (As Caco3)	NS	mg/L	366 B	348	251 B	374 B	336	---	356	341	337	424	387 B
Chloride	250	mg/L	[398]	[357]	[284]	[366]	[270]	[374] B	[265]	[265]	[298] B	[379 B]	[344 B]
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	193	196 B	199	[258]	232	---	192	199	209	228	228
Total Sulfides	NS	mg/l	0.002 U	0.1 U	0.12	0.1 UH	0.13	0.1 U	0.16	0.13	0.13	0.1 U	0.058 J
Total Organic Carbon, Filter	NS	mg/L	4.1	1 U	3	3.7	3.4	0.89	1.5	1.3	2.8	5.2	3.5
pH	NS	STD u		---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, B - analyte was detected in the associated method blank, R - unusable, NS - no standard, Dup - duplicate sample, --- Not Analyzed
H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-1D - 12/19/2013 MW-1D-121913 mg/l	MW-1D - 3/25/2014 MW-1D-032514 mg/l	MW-1D 9/23/2014 MW1D092314 mg/l	MW-1D 4/11/2017 MW1D041117 mg/l	MW-1D 9/12/2017 MW1D091217 mg/l	X-1 9/12/2017 MW1D091217 mg/l	MW-1D 9/19/2018 MW1D091918 mg/l	MW-1D 3/18/2019 MW1D031819 mg/l	MW-1D - 9/25/2019 MW1D 09252019 mg/L
Alkalinity (As Caco3)	NS	mg/L	365	377	417 B	299	311 B	320 B	298 B	294 B	341
Chloride	250	mg/L	288 B	[265]	[236]	[252]	[302]	184	[253]	298	[426]
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.02 J	0.05	0.05 U	0.05 U	0.050 U	0.05 UH	0.020 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.05 U	0.050 U	0.05 UH	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---		---	---	---	---	---	---
Sulfate	250	mg/l	199	202	207	132	185	[269]	172	173	203
Total Sulfides	NS	mg/l	0.1	0.15	0.24	0.63 F1	0.28	0.53 H	0.060 JH	0.06 JH	1.0 U
Total Organic Carbon, Filter	NS	mg/L	3.8	5.4	3.3	2.4	3.4 B	4.2 B	2.7 B	2.8 B	3.6
pH	NS	STD u	---	---	---	---	---	---	---	---	---

NOTES:
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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-04S - 2/17/2000 MW-04S_WG_021700 mg/l	MW-04S - 8/15/2001 MW-04S_WG_081501 mg/l	MW-04S - 11/29/2001 MW-04S_WG_112901 mg/l	MW-04S - 2/28/2002 MW-04S_WG_022802 mg/l	MW-04S - 5/14/2002 MW-04S_WG_051402 mg/l	MW-04S - 11/17/2004 MW-04S_WG_111704 mg/l	MW-04S - 11/16/2005 MW-4S_11162005 mg/l	MW-04S - 11/16/2006 MW-4S_11162006 mg/l	MW-04S - 10/31/2007 MW 4-S-103107 mg/l	MW-04S - 11/18/2008 MW 4-S-111808 mg/l	MW-04S - 10/21/2009 MW-4S-10212009 mg/l
Alkalinity (As Caco3)	NS	mg/L	350	330	370	360	370	350	350	370	370	370	402 D,B
Chloride	250	mg/L	150	130	230	200	200	190	160	140	110	77	121 D
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.15	0.05 U	0.05 U	0.061	0.05 U	0.1 U	0.1	0.18 J	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.018 J	0.05 U	0.1 U	0.1	0.2 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	0.05 U	0.05 U	0.15	0.05 U	0.05 U	0.079	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	[300]	[790]	[740]	[700]	[370]	[500] E	[640]	[780]	[1300]	[547] D
Total Sulfides	NS	mg/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.40 J	0.60 J	1.2	2.3	1 U	0
Total Organic Carbon, Filter	NS	mg/L	5	2	4	1 U	3	17	12	30	3.7	43	3.9
pH	NS	STD u	7.9	---	---	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-04S - 05/19/2010 W-4S-051910051920: mg/l	MW-04S - 01/20/2011 MW-4S-01202011 mg/l	MW-04S - 4/21/2011 MW-4S-042111 mg/l	MW-04S - 7/28/2011 MW-4S 072811 mg/l	MW-04S - 10/27/2011 MW4S102711 mg/l	MW-04S - 3/22/2012 MW4S032212 mg/l	MW-4S - 8/9/2012 MW4S080912 mg/l	MW-4S - 12/20/2012 MW-4S-122012 mg/l	MW-4S - 5/22/2013 MW-4S-052213 mg/l	MW-4S - 8/22/2013 MW-4S-082213 mg/l	MW-4S - 12/19/2013 MW-4S-082213 mg/l
Alkalinity (As Caco3)	NS	mg/L	428 B	422	399	396 B	386	---	425	395 B	440	390	380
Chloride	250	mg/L	76.3	78.5	27	71.6	127	53.9	93.5	67.6 B	82 B	98.7	66.9 B
Nitrate (as N)	10	mg/L	0.026 J	0.05 U	0.11	0.049 J	0.05 U	0.083	0.05 U	0.1	0.048 J	0.05 U	0.038 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	[589] B	[777] B	[1300]	[1090]	[626]	---	[773]	856	[788]	[473]	[598]
Total Sulfides	NS	mg/l	0.002 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.07 J	0.1 U
Total Organic Carbon, Filter	NS	mg/L	1 U	2.5	5	1 U	1.5	3.1	1.8	2.1	11.6	3.7	3.2
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-4S - 3/27/2014 MW-4S-032714 mg/l	MW-4S - 6/11/2014 MW-4S-061114 mg/l	MW-4S - 9/23/2014 MW-4S-092414 mg/l	MW-4S - 4/13/2017 MW-4S-041317 mg/l	MW-4S - 9/14/2017 MW-4S-091417 mg/l	MW-4S - 9/14/2017 MW-4S-091417 mg/l	MW-4S - 3/20/2019 MW-4S-032019 mg/l	MW-4S - 9/25/2019 MW-4S-092519 mg/L
Alkalinity (As Caco3)	NS	mg/L	401 B	421 B	---	411 B	442 B	394 B	394 B	494
Chloride	250	mg/L	65.4	70.7	---	42.1	92.2	59.8	59.8	80.0
Nitrate (as N)	10	mg/L	0.037 J	0.02 J	---	0.06	0.034 J	0.05 U	0.05 U	0.089
Nitrite (as N)	1	mg/l	0.05 U	0.043 JB	---	0.05	0.05 U	0.05 U	0.05 U	0.051 B
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	[427]	[840]	---	[504]	[459]	[862]	[862]	[875]
Total Sulfides	NS	mg/l	0.092 J	0.072 J	---	0.14	0.14	0.1 UH*	0.1 UH*	1.0 U
Total Organic Carbon, Filter	NS	mg/L	5.2	3.4	---	2.4	7.1 B	3.1	3.1	3.9
pH	NS	STD u	---	---	---	---	---	---	---	---

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Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-04D - 2/17/2000 MW-04D_WG_021700 mg/l	MW-04D - 8/15/2001 MW-04D_WG_081501 mg/l	MW-04D - 11/29/2001 MW-04D_WG_112901 mg/l	MW-04D - 2/28/2002 MW-04D_WG_022802 mg/l	MW-04D - 5/14/2002 MW-04D_WG_051402 mg/l	MW-04D - 11/17/2004 MW-04D_WG_111704 mg/l	MW-04D - 11/16/2005 MW-4D_11162005 mg/l	MW-04D - 11/15/2006 MW-4D_11152006 mg/l	MW-04D - 10/31/2007 MW 4-D-103107 mg/l	MW-04D - 11/19/2008 MW 4-D-111908 mg/l	MW-04D - 10/21/2009 MW-4D-10212009 mg/l
Alkalinity (As Caco3)	NS	mg/L	300	290	290	270	280	310	320	330	320	320	338 D,B
Chloride	250	mg/L	110	210	240	180	140	[250]	230	210	220	210	209 D
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.010 J	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	180	220	220	170	[360]	[370] E	[260]	[290]	240	[275] D
Total Sulfides	NS	mg/l	0.2 U	0.4	0.2 U	0.2 U	0.2	0.8	1	0.8 U	1	1 U	0.3
Total Organic Carbon, Filter	NS	mg/L	6	7	5	6	2	3.2	3.7	30	4.6	3.5	4.4
pH	NS	STD u	7.4	---	---	---	---	---	---	---	---	---	---

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Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-04D - 05/19/2010 W-4D-051910051920 mg/l	MW-04D - 01/20/2011 MW-4D-01202011 mg/l	MW-04D - 4/21/2011 MW-4D-042111 mg/l	MW-04D - 7/28/2011 MW-4D 072811 mg/l	MW-04D - 3/22/2012 MW4D032212 mg/l	MW-04D - 10/26/2011 MW4D102611 mg/l	MW-4D - 8/9/2012 MW4D080912 mg/l	MW-4D - 12/20/2012 MW-4D-122012 mg/l	MW-4D - 5/22/2013 MW-4D-052213 mg/l	MW-4D - 8/21/2013 MW-4D-082113 mg/l	MW-4D - 12/19/2013 MW-4D-121913 mg/l
Alkalinity (As Caco3)	NS	mg/L	355 B	364	327	339 B	---	310	362	401 B	360	333	362
Chloride	250	mg/L	224	201	215	208	193 B	222	229	197 B	218 B	209	196 B
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	[258] B	216 B	[370]	[334]	---	[335]	[297]	[271]	[323]	[329]	[242]
Total Sulfides	NS	mg/l	0.223	0.093 J	0.1 U	0.44	0.056 J	0.49	0.84	0.57	0.67	0.66	0.31
Total Organic Carbon, Filter	NS	mg/L	3.2	2.7	3.9	1 U	4	3.3	1.4	3.3	4.7	3.6	3.5
pH	NS	STD u		---	---	---	---	---	---	---	---	---	---

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Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-4D - 3/27/2014 MW-4D-032714 mg/l	MW-4D - 6/10/2014 MW-4D-061014 mg/l	MW-4D - 9/25/2014 MW 4D 092514 mg/l	MW-4D - 4/13/2017 MW 4D 041317 mg/l	MW-4D - 9/14/2017 MW 4D 091417 mg/l	MW-4D - 9/19/2018 MW 4D 091918 mg/l	MW-4D - 3/20/2019 MW 4D 032019 mg/l	MW-4D - 9/25/2019 MW-4D-092519 mg/L
Alkalinity (As Caco3)	NS	mg/L	355 B	292	72.5 B	319 B	327 B	311 B	319 B	330
Chloride	250	mg/L	213	226	[283]	[253]	245	[254]	[251]	[267]
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.022 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	[346]	[328]	[297]	[337] B	[299]	[293]	[276]	[263]
Total Sulfides	NS	mg/l	0.92	0.96	0.48	1.4	0.66	0.080 JH	0.38 HF1	1.0 U
Total Organic Carbon, Filter	NS	mg/L	3.8	3.6	3.1	2.5	3.6 B	2.7 B	2.8	5.3
pH	NS	STD u	---	---	---	---	---	---		---

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Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interva / Sample Date / Sample ID / units	MW-05S - 2/17/2000 MW-05S_WG_021700 mg/l	MW-05S - 8/14/2001 MW-05S_WG_081401 mg/l	MW-05S - 11/29/2001 MW-05S_WG_112901 mg/l	MW-05S - 2/27/2002 MW-05S_WG_022702 mg/l	MW-05S - 5/15/2002 MW-05S_WG_051502 mg/l	MW-05S - 11/17/2004 MW-05S_WG_111704 mg/l	MW-05S - 11/15/2005 MW-5S_11152005 mg/l	MW-05S - 11/14/2006 MW-5S_11142006 mg/l	MW-05S - 10/30/2007 MW 5 S-103007 mg/l	MW-05S - 11/19/2008 MW-05S_WG_111908 mg/l	MW-05S - 10/21/2009 MW-5S-10212009 mg/l
Alkalinity (As Caco3)	NS	mg/L	370	470	340	340	330	400	330	320	380	---	391 D,B
Chloride	250	mg/L	240	170	170	97	75	120	63	35	75	73	71.2 D
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.14	0.1	0.1 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.011 J	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.017 J	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	[290]	[270]	[260]	200	[370]	[350]	[730]	[560]	220	[375] D
Total Sulfides	NS	mg/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.60 J	0.8 U	0.8 U	1	1 U	0
Total Organic Carbon, Filter	NS	mg/L	6	2 UJ	9	2	6	5.2	8.6	16	6.6	5.1	4.8
pH	NS	STD u	7.1	---	---	---	---	---	---	---	---	---	---

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Alkalinity (As Caco3)	NS	mg/L	364 B	314	190	466 B	264	---	449	250 B	461	403	438
Chloride	250	mg/L	38.7	20.6	10.6	60.5	17	39.8 B	90.2	9	64.4 B	59.5	47.2 B
Nitrate (as N)	10	mg/L	0.05 U	0.082	0.037 J	0.05 U	0.041 J	0.05 U	0.067	0.076 H	0.05 U	0.05 U	0.032 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UH	0.05 U	0.05 U	0.05
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	194 B	[364] B	179	[416]	227 B	---	223	198	189	159	223
Total Sulfides	NS	mg/l	0.006	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.14	0.1 U
Total Organic Carbon, Filter	NS	mg/L	0.4 J	5	4.2	1 U	2.9	5.8	2.5	4.1	14.3	5.9	5.7
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

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Alkalinity (As Caco3)	NS	mg/L	362 B	443	40.2 B	228	442 B	214 B	298 B	339
Chloride	250	mg/L	56.7	48.7	95.2	8.3	12.2	11.8	49.1	13.8
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.071	0.032 J	0.20	0.05 U	0.028 J
Nitrite (as N)	1	mg/l	0.04 JB	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---		---	---	---	---	---
Sulfate	250	mg/l	[259]	[352]	[358]	169	[326]	172 B	208	183
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.12	0.06 J	0.1	0.10 U	0.1 UH*	1.2
Total Organic Carbon, Filter	NS	mg/L	4.8	4.9	5.1	2.7	4.5 B	5.2 B	2.7	6.3
pH	NS	STD u	---	---	---	---	---	---	---	---

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Alkalinity (As Caco3)	NS	mg/L	260	300	250	240	260	350	340	350	350	330	366 D,B
Chloride	250	mg/L	[440]	230	230	140	120	210	210	200	190	200	200 D,B
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.010 J	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	230	[260]	220	180	[360]	[290]	[270]	[290]	[260]	[290] D
Total Sulfides	NS	mg/l	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.60 J	0.8 U	0.8 U	1	1 U	0.2
Total Organic Carbon, Filter	NS	mg/L	4	7	6	2	2	3.5	4	4.3	4	4	4.3
pH	NS	STD u	7.9	---	---	---	---	---	---	---	---	---	---

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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interva Sample Date Sample ID units	MW-05D - 5/19/2010 MW-5D-051910 mg/l	MW-05D - 1/20/2011 MW-5D_01202011 mg/l	MW-05D - 4/20/2011 MW-5D-042011 mg/l	MW-05D - 7/28/2011 MW-5D 072811 mg/l	MW-05D - 10/27/2011 MW5D102711 mg/l	MW-05D - 3/22/2012 MW5D032212 mg/l	MW-5D - 8/9/2012 MW5D080912 mg/l	MW-5D - 12/19/2012 MW-5D-121912 mg/l	MW-05D - 5/22/2013 MW-5D_052213 mg/l	MW-05D - 8/21/2013 MW-5D_082113 mg/l	MW-05D - 12/19/2013 MW-5D-121913 mg/l
Alkalinity (As Caco3)	NS	mg/L	369 B	392	335	329 B	354	---	353	389 B	370	353	326
Chloride	250	mg/L	197	206	188	177	191	167 B	172	177	181 B	180	180 B
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	[262] B	[254] B	[263]	[278]	238	---	194	241	249	206	200
Total Sulfides	NS	mg/l	0.006	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total Organic Carbon, Filter	NS	mg/L	0.4 J	3.9	4	1 U	1.6	3.8	1.5	3.7	4.4	3.7	3.3
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

NOTES:
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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interva Sample Date Sample ID units	MW-5D - 3/27/2014 MW-5D-032714 mg/l	MW-5D - 6/10/2014 MW-5D-061014 mg/l	MW-5D - 9/25/2014 MW 5D 092514 mg/l	MW-5D - 4/12/017 MW 5D 041217 mg/l	MW-5D - 9/14/2017 MW 5D 091417 mg/l	MW-5D - 9/19/2018 MW 5D 091918 mg/l	MW-5D - 3/20/2019 MW 5D 032019 mg/l	MW-5D - 9/25/2019 MW-5D-092519 mg/L	MW-5D - 9/25/2019 X-1-092519 mg/L
Alkalinity (As Caco3)	NS	mg/L	362 B	322	24.4 B	322	327 B	316 B	333 B	329	344
Chloride	250	mg/L	182	180	183	217	193	191	188	187	187
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.027 J	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.050 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	211	212	193	182	200	193	182	184	185
Total Sulfides	NS	mg/l	0.1 U	0.071 J	0.1 U	0.16	0.07 J	0.050 JH	0.1 UH*	1.0 U	1.0 U
Total Organic Carbon, Filter	NS	mg/L	4.5	5.3	3.4	2.6	5.2 B	3.2	2.9	3.9	3.7
pH	NS	STD u	---	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-06S - 2/15/2000 MW-06S_WG_021500 mg/l	MW-06S - 8/15/2001 MW-06S_WG_081501 mg/l	MW-06S - 11/29/2001 MW-06S_WG_112901 mg/l	MW-06S - 2/27/2002 MW-06S_WG_022702 mg/l	MW-06S - 5/15/2002 MW-06S_WG_051502 mg/l	MW-06S - 11/16/2004 MW-06S_WG_111604 mg/l	MW-06S - 11/15/2005 MW-6S_11152005 mg/l	MW-06S - 11/13/2006 MW-6S_11132006 mg/l	MW-06S - 10/31/2007 MW-6S-103107 mg/l	MW-06S - 11/19/2008 MW-6S-111908 mg/l	MW-06S - 10/21/2009 MW-6S-10212009 mg/l
Alkalinity (As Caco3)	NS	mg/L	250	270	230	200	230	160	260	240	200	280	269 D,B
Chloride	250	mg/L	200	120	90	43	44	52	24	18	44	37	21.3
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.07	0.05 U	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.0074 J	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.07	0.05 U	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	230	200	130	120	[330]	190	120	380 a	210	199 D
Total Sulfides	NS	mg/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.8	0.60 J	0.8 U	1	1 U	0
Total Organic Carbon, Filtere	NS	mg/L	5	7	8	6	2	5.8	14	28	6.5	12	5.4
pH	NS	STD u	7.4	---	---	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID	units	MW-06S - 05/19/2010 W-6S-051910051920	MW-06S - 01/19/2011 MW-6S-01192011	MW-06S - 4/20/2011 MW-6S-042011	MW-06S - 7/26/2011 MW-6S072611	MW-06S - 10/26/2011 MW6S102611	MW-06S - 3/20/2012 MW6S032012	MW-6S - 8/7/2012 MW6S080712	MW-6S - 12/19/2012 MW-6S-121912	MW-6S - 5/21/2013 MW-6S-052113	MW-6S - 8/21/2013 MW-6S-082113	MW-6S - 12/18/2013 MW-6D-121813
				mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Alkalinity (As Caco3)	NS	mg/L		263 B	224	179	247 B	286	---	265	244 B	256	219	285
Chloride	250	mg/L		21.6	19.3	12	17.9	24.6	11.8	16	6.8	14.2 B	11.4	18.9 B
Nitrate (as N)	10	mg/L		0.047 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L		---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l		136 B	151 B	78.8	153 B	214	---	107	63.9	101	78.1	168
Total Sulfides	NS	mg/l		0.006	0.1	0.1 U	0.1 UH	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total Organic Carbon, Filtere	NS	mg/L		1.4	1 U	1 U	6.5	5.3	1.5	3.2	7.7	6.6	5.5	5.8
pH	NS	STD u			---	---	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-6S - 3/25/2014 MW-6S-032514 mg/l	MW-6S - 6/11/2014 MW-6S-061114 mg/l	MW-6S - 9/23/2014 MW6S092314 mg/l	MW-6S - 4/11/2017 MW6S041117 mg/l	MW-6S - 9/14/2017 MW6S091417 mg/l	MW-6S - 9/20/2018 MW6S092018 mg/l	MW-6S - 3/20/219 MW6S032019 mg/l	MW-06S - 9/25/2019 MW-6S-092519 mg/L
Alkalinity (As Caco3)	NS	mg/L	257	322 B	405 B	320	379 B	386 B	296 B	378
Chloride	250	mg/L	23.8	32.5	30.9	32.3	39.8	43.6	28.5	39.4
Nitrate (as N)	10	mg/L	0.05 U	0.02J	0.021 J	0.14	0.05 U	0.024 J	0.05 U	0.023 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	162	54.4	203	208	[287]	241 B	163	204
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.08 J	0.1 U	0.10 U	0.1 UH*	1.0 U
Total Organic Carbon, Filtere	NS	mg/L	4.8	5.3	4.9	3.9	6.3 B	3.9 B	4.9 B	4.4
pH	NS	STD u	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-06D - 2/15/2000 MW-06D_WG_021500 mg/l	MW-06D - 8/15/2001 MW-06D_WG_081501 mg/l	MW-06D - 11/29/2001 MW-06D_WG_112901 mg/l	MW-06D - 2/27/2002 MW-06D_WG_022702 mg/l	MW-06D - 5/15/2002 MW-06D_WG_051502 mg/l	MW-06D - 11/16/2004 MW-06D_WG_111604 mg/l	MW-06D - 11/15/2005 MW-6D_11152005 mg/l	MW-06D - 10/30/2007 MW 6 D-103007 mg/l	MW-06D - 11/19/2008 MW 6 D-111908 mg/l	MW-06D - 10/21/2009 MW-6D-10212009 mg/l	MW-06D - 5/19/2010 W-6D-051910051920 mg/l
Alkalinity (As Caco3)	NS	mg/L	240	250	240	240	250	270	260	260	250	232 D,B	358 B
Chloride	250	mg/L	140	240	200	120	110	[340]	110	180	120	72.4 D,B	38
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1	0.1 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1	0.1 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	---	
Sulfate	250	mg/l	7.5 U	180	220	210	170	[330]	200	230	190	166 D	151 B
Total Sulfides	NS	mg/l	0.2 U	0.4	0.2 U	0.2 U	0.2 U	0.60 J	0.8 U	1	1 U	0	0.023
Total Organic Carbon, Filtere	NS	mg/L	5	6	6	3	3	3.7	5.3	4.5	14	5.3	1 U
pH	NS	STD u	8	---	---	---	---	---	---	---	---	---	

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H - Sample analyzed beyond the specified holding time
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Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-06D 1/19/2011 MW-6D-01192011 mg/l	MW-06D - 4/20/2011 MW-6D-042011 mg/l	MW-06D - 7/26/2011 MW-6D072611 mg/l	MW-06D - 10/26/2011 MW6D102611 mg/l	MW-06D - 3/20/2012 MW6D032012 mg/l	X-1 - 3/20/2012 MW6D032012 mg/l	MW-6D - 8/7/2012 MW6D080712 mg/l	MW-6D - 12/19/2012 MW-6D-121912 mg/l	MW-6D - 5/21/2013 MW-6D-052113 mg/l	X-1 - 5/21/2013 MW-6D-052113 mg/l	MW-6D - 8/21/2013 MW-6D-082113 mg/l
Alkalinity (As Caco3)	NS	mg/L	257	220	263 B	295	---	---	259	302 B	291	255	246
Chloride	250	mg/L	34.1	28.9	37.4	97.2	35.3	35.9	103	29	32.2 B	31.8B	27.8
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	145 B	135	177 B	196	---	---	181	150	147	145	126
Total Sulfides	NS	mg/l	0.21	0.1 U	0.1 UH	0.1 U	0.1 U	0.1 U	0.057 J	0.1 U	0.1 U	0.1U	0.1 U
Total Organic Carbon, Filtere	NS	mg/L	1 U	0.81 J	5.3	4.3	1.7	1.1	2	4.4	5.7	5.4	5.2
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-6D - 12/18/2013 MW-6D-121813 mg/l	MW-6D - 3/25/2014 MW-6D-032514 mg/l	MW-6D - 6/10/2014 MW-6D-061014 mg/l	MW-6D - 9/23/2014 MW6D092314 mg/l	MW-6D - 4/11/2017 MW6D041117 mg/l	MW-6D - 9/12/2017 MW6D091217 mg/l	MW-6D - 9/19/2018 MW6D091918 mg/l	MW-6D - 3/20/2019 MW6D032019 mg/l	MW-06D - 9/24/2019 MW-6D-092419 mg/L
Alkalinity (As Caco3)	NS	mg/L	281	380	309	435 B	339	329 B	332 B	311 B	296
Chloride	250	mg/L	30.4 B	189	199	221	201	180	205	172	182
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.02 J	0.05	0.05 U	0.050 U	0.05 U	0.028 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	148	[262]	[313]	[340]	222	[265]	[297]	[265]	196
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.19	0.31	0.46	0.58	0.13 H	0.19 H	1.0 U
Total Organic Carbon, Filtere	NS	mg/L	5	3.9	4.8	3.7	3.1	4.5 B	3.9 B	3.7	4.2
pH	NS	STD u	---	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW STds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-06DD - 11/14/2005 MW-6DD_11142005 mg/l	MW-06DD - 11/15/2006 MW-6DD_11152006 mg/l	MW-06DD - 10/30/2007 MW 6 DD-103007 mg/l	MW-06DD - 11/19/2008 MW 6 DD-111908 mg/l	MW-06DD - 10/21/2009 MW-6DD-10212009 mg/l	MW-06DD - 05/19/2010 W-6DD-051910051920 mg/l	MW-06DD - 01/19/2011 MW-6DD-01192011 mg/l	MW-06DD - 4/20/2011 MW-6DD-042011 mg/l	MW-06DD - 7/26/2011 MW-6DD072611 mg/l	MW-06DD - 10/26/2011 MW6DD102611 mg/l	MW-06DD - 3/20/2012 MW6DD032012 mg/l
Alkalinity (As Caco3)	NS	mg/l	310	320	320	310	322 D,B	358 B	306 B	273	317 B	313	---
Chloride	250	mg/l	160	150	200	180	177 D	169	131 B	123	145	160	126 B
Nitrate (as N)	10	mg/l	0.05 U	0.1 U	0.1	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.1 U	0.1	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	[270]	[270]	[320]	[260]	[290] D	[257] B	235 B	196	[270]	[259]	---
Total Sulfides	NS	mg/l	0.8 U	0.8 U	1	1 U	0.006	0.061	0.1	0.1 U	0.1 UH	0.1 U	0.1 U
Total Organic Carbon, Filtere	NS	mg/l	6.4	12	3.8	20	4.4	23.2	1 U	4.9	4.2	4	1.1
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

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Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW STds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-6DD - 8/7/2012 MW6DD080712 mg/l	MW-6DD - 12/19/2012 MW-6DD-121912 mg/l	MW-6DD - 5/21/2013 MW-6DD-052113 mg/l	MW-6DD - 8/21/2013 MW-6DD-082113 mg/l	MW-6DD - 12/18/2013 MW-6DD-121813 mg/l	MW-6DD - 3/25/2014 MW-6DD-032514 mg/l	MW-6DD - 6/10/2014 MW-6DD-061014 mg/l	MW-6DD - 9/23/2014 MW6DD092314 mg/l	MW-6DD - 4/11/2017 MW6DD041117 mg/l	MW-6DD - 9/12/2017 MW6DD091217 mg/l	MW-6DD - 9/19/2018 MW6DD091918 mg/l	MW-6DD - 3/20/2019 MW6DD032019 mg/l	MW-6DD - 9/24/2019 MW-6DD-092419 mg/L
Alkalinity (As Caco3)	NS	mg/l	349	390 B	324	311	358	290	286	391 B	208	300 B	291 B	248 B	292
Chloride	250	mg/l	155	123	159 B	147	123 B	124	199	[275]	66	240	[300]	169	[273]
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.027 J	0.05 U	0.02 J	0.065	0.05 U	0.050 U	0.05 U	0.025 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	226	232	237	230	218	209	239	[301]	[692]	238	[278]	178	212
Total Sulfides	NS	mg/l	0.06 J	0.1 U	0.065 J	0.063 J	0.061 J	0.1 U	0.091 J	0.15	0.07 J	0.19	0.20 H	0.1 UH*	1.0 U
Total Organic Carbon, Filtere	NS	mg/l	2	5.1	5.2	3.6	4.5	4.7	5.4	3.3	4.5	4.3 B	3.0 B	3.3	3.7
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---	---	---

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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW STds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-07S - 2/18/2000 MW-07S_WG_021800 mg/l	MW-07S - 8/16/2001 MW-07S_WG_081601 mg/l	MW-07S - 11/28/2001 MW-07S_WG_112801 mg/l	MW-07S - 2/25/2002 MW-07S_WG_022502 mg/l	MW-07S - 5/16/2002 MW-07S_WG_051602 mg/l	MW-07S - 11/15/2004 MW-07S_WG_111504 mg/l	MW-07S - 11/16/2005 MW-7S_11162005 mg/l	MW-07S - 11/15/2006 MW-7S_11152006 mg/l	MW-07S - 10/31/2007 MW 7-S-103107 mg/l	MW-07S - 11/20/2008 MW 7-S-112008 mg/l	MW-07S - 10/20/2009 MW-7S-10202009 mg/l
Alkalinity (As Caco3)	NS	mg/l	320	370	150	140	150	180	350	190	180	170	178 D,B
Chloride	250	mg/l	9	13		9	7	53	25	38	48	62	34.3
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.11	0.14	0.1	0.16	0.2	0.17	1.3	0.3	0.331
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.0068 J	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	0.05 U	0.05 U	0.11	0.14	0.1	0.17	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	95	77	42	32	120	64	72	120	79	91.8 D
Total Sulfides	NS	mg/l	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.8 U	0.40 J	0.8 U	1	1 U	0
Total Organic Carbon, Filtere	NS	mg/l	2	2	6	1 U	2	10	11	21	2.7	4.5	2.1
pH	NS	STD u	7.3	---	---	---	---	---	---	---	---	---	---

NOTES:
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Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW STds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-07S - 05/17/2010 W-7S-051710051720: mg/l	MW-07S - 1/18/2011 MW 7-S-01182011 mg/l	MW-07S - 4/19/2011 MW-7S-041911 mg/l	MW-07S - 7/27/2011 MW-7S072711 mg/l	MW-07S - 10/26/2011 MW7S102611 mg/l	MW-07S - 3/21/2012 MW7S032112 mg/l	MW-7S - 8/8/2012 MW7S080812 mg/l	MW-7S - 12/18/2012 MW-7S-121812 mg/l	MW-7S - 5/23/2013 MW-7S-052313 mg/l	MW-7S - 8/20/2013 MW-7S-082013 mg/l	MW-7S - 12/17/2013 MW-7S-121713 mg/l
Alkalinity (As Caco3)	NS	mg/l	199 B	229	166 B	305 B	167	---	204	115	233	244 B	297
Chloride	250	mg/l	77.2	51	[259] B	77.5	48.2	42.5 B	60.6	25.9 B	85	62.4 B	58.4 B
Nitrate (as N)	10	mg/l	0.238	0.3	0.24	0.05 U	0.36	0.24	0.48	0.45	0.19	0.33	0.086
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	61.4	111 B	4.8 J^	125	116	---	104	64.1	105	108	100
Total Sulfides	NS	mg/l	0.002 U	0.1 U	0.1 U	0.1 UH	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total Organic Carbon, Filtere	NS	mg/l	3.9	3.6	8.9	3.6	4	1 U	1.3	4.2	12.2	2.3	4.2
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW STds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-7S - 3/26/2014 MW-7S-032614 mg/l	MW-7S - 6/11/2014 MW-7S-061114 mg/l	MW-7S - 9/24/2014 MW7S092414 mg/l	MW-7S - 4/12/2017 MW7S041217 mg/l	MW-7S - 9/13/2017 MW7S091317 mg/l	MW-7S - 9/18/2018 MW7S091818 mg/l	MW-7S - 3/19/2019 MW7S031919 mg/l	MW-07S - 9/24/2019 MW-7S-092419 mg/L
Alkalinity (As Caco3)	NS	mg/l	236	178	330	247	219 B	264 B	147 B	246
Chloride	250	mg/l	51.4	44.2	61.5	56	35.2	58.3	42.8	55.1
Nitrate (as N)	10	mg/l	0.64	0.41	0.43	1.7	0.67	1.2	0.63	0.69
Nitrite (as N)	1	mg/l	0.022 JB	0.043 JB	0.034 JB	0.05	0.05 U	0.050 U	0.05 U	0.046 J B
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	69.1	71.5 B	116	134	79.4	115	45.6	81.5
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.06 J	0.1 U	0.10 UH	0.1 UH*	1.0 U
Total Organic Carbon, Filtere	NS	mg/l	6	2.3	3.1	6	4 B	3.7 B	1.8 B	4.0
pH	NS	STD u	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW STds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-07D - 2/18/2000 MW-07D_WG_021800 mg/l	MW-07D - 8/16/2001 MW-07D_WG_081601 mg/l	MW-07D - 11/28/2001 MW-07D_WG_112801 mg/l	MW-07D - 2/25/2002 MW-07D_WG_022502 mg/l	MW-07D - 5/16/2002 MW-07D_WG_051602 mg/l	MW-07D - 11/15/2004 MW-07D_WG_111504 mg/l	MW-07D - 11/16/2005 MW-7D_11162005 mg/l	MW-07D - 11/15/2006 MW-7D_11152006 mg/l	MW-07D - 10/31/2007 MW 7-D-103107 mg/l	MW-07D - 11/20/2008 MW 7-D-112008 mg/l	MW-07D - 10/20/2009 MW-7D-10202009 mg/l
Alkalinity (As Caco3)	NS	mg/l	330	330	330	320	330	280	220	240	230	190	255 D,B
Chloride	250	mg/l	180	180	180	120	120	97	34	41	53	64	40.6
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.06	0.1 U	0.14	0.11	0.055
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	230	[310]	240	210	190	78	110	140	86	84 D
Total Sulfides	NS	mg/l	0.2 U	0.6	0.2 U	0.2 U	0.2 U	0.40 J	0.8 U	0.8 U	1	1 U	0
Total Organic Carbon, Filtere	NS	mg/l	6	8	5	3	1 U	5.2	3.4	33	2.7	4.4	1.7
pH	NS	STD u	7.9	---	---	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW STds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID	units	MW-07D - 05/17/2010 W-7D-051710051720:	MW-07D - 01/18/2011 MW-7D-01182011	MW-07D - 4/19/2011 MW-7D-041911	MW-07D - 7/27/2011 MW-7D072711	MW-07D - 10/25/2011 MW7D102511	MW-07D - 10/25/2011 X-1	MW-07D - 3/21/2012 MW7D032112	MW-7D - 8/8/2012 MW7D080812	MW-7D - 12/18/2012 MW-7D-121812	MW-7D - 5/23/2013 MW-7D-052313	MW-7D - 8/20/2013 MW-7D-082013
				mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Alkalinity (As Caco3)	NS	mg/l		218 B	229 B	175 B	258 B	229	199	---	253	221	254	282 B
Chloride	250	mg/l		78	51.4	203 B	74	46.2	17.8	52.3 B	72.3	53.5 B	48.4	60.9 B
Nitrate (as N)	10	mg/l		0.083	0.05 U	0.13	0.05 U	0.3	0.21	0.05 U	0.086	0.43	0.05 U	0.05 U
Nitrite (as N)	1	mg/l		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.027 J	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l		---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l		72	109 B	70.9	153	79.1	74.5	---	102	87.4	75.7	83.9
Total Sulfides	NS	mg/l		0.003	0.1 U	0.1 U	0.1 UH	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total Organic Carbon, Filtere	NS	mg/l		3.7	4.4	6.8	3.4	3.8	2.9	0.63	1.9	3.3	5.2	4
pH	NS	STD u			---	---	---	---	---	---	---	---	---	---

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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW STds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-7D - 12/17/2013 MW-7D-121713 mg/l	MW-7D - 3/26/2014 MW-7D-032614 mg/l	MW-7D - 6/11/2014 MW-7D-061114 mg/l	MW-7D - 9/24/2014 MW7D092414 mg/l	MW-7D - 4/12/2017 MW7D041217 mg/l	MW-7D - 9/13/2017 MW7D09132017 mg/l	MW-7D - 9/18/2018 MW7D091818 mg/l	MW-7D - 3/19/2019 MW7D031919 mg/l	MW-07D - 9/24/2019 MW-7D-092419 mg/L
Alkalinity (As Caco3)	NS	mg/l	257	194	250 B	359 B	183	235 B	243 B	146 B	227
Chloride	250	mg/l	40.6 B	33.1	35.2	75.1	19.2	24.7	46.9	23.2	43.4
Nitrate (as N)	10	mg/l	0.05 U	0.64	0.49	0.027 J	0.61	0.57	0.42	0.61	0.50
Nitrite (as N)	1	mg/l	0.05 U	0.022 JB	0.042 JB	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.038 J B
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	69.4	35.6	57.5	145	58.8	60.6	105	32.6	65.3
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.1 U	0.07 J	0.1 U	0.10 UH	0.1 UH*	1.0 U
Total Organic Carbon, Filtere	NS	mg/l	3.6	5	4.9	4.2	2.9	4.1 B	3.4 B	3.1 B	3.9
pH	NS	STD u	---	---	---	---	---	---	---	---	---

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Table 5
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Niagara Falls, New York

Chemical Name	Class GA GW STds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-07DD - 11/16/2005 MW-7DD_11162005 mg/l	MW-07DD - 11/15/2006 MW-7DD(2)_1115200(mg/l	MW-07DD - 10/31/2007 MW 7-DD 2-103107 mg/l	MW-07DD - 11/20/2008 MW 7-DD 2-112008 mg/l	MW-07DD - 10/20/2009 MW-7DD-10202009 mg/l	MW-07DD - 05/17/2010 V-7DD-051710051720 mg/l	MW-07DD - 01/18/2011 MW-7DD-01182011 mg/l	MW-07DD - 4/19/2011 MW-7DD-041911 mg/l	MW-07DD - 7/27/2011 MW-7DD(2)072711 mg/l	MW-07DD - 10/26/2011 MW7DD102611 mg/l	MW-07DD - 3/21/2012 MW7DD032112 mg/l
Alkalinity (As Caco3)	NS	mg/l	300	310	270	200	350 D,B	314 B	224	205 B	326 B	262	---
Chloride	250	mg/l	99	130	83	82	122 D	151	100	[258] B	158	78.1	76.4 B
Nitrate (as N)	10	mg/l	0.05 U	0.1 U	0.1	0.37	0.05 U	0.017 J	0.05 U	0.29	0.05 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.1 U	0.1	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	[540] E	170	[390]	78	[331] D	[261]	[473] B	124	[318]	[433]	---
Total Sulfides	NS	mg/l	0.8	0.8 U	1	1 U	0.7 D	0.736	0.074 J	0.1 U	0.17 U	0.1 U	0.1 U
Total Organic Carbon, Filtere	NS	mg/l	3.6	23	3.7	3.7	3.2	5.4	5.3	8.6	4.4	3.9	4.6
pH	NS	STD u	---	---	---	---	---		---	---	---	---	---

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Chemical Name	Class GA GW STds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-7DD - 8/8/2012 MW7DD080812 mg/l	MW-7DD - 12/18/2012 MW-7DD-121812 mg/l	X-1 - 12/18/2012 MW-7DD-121812 mg/l	MW-7DD - 5/23/2013 MW-7DD-052313 mg/l	MW-7DD - 8/20/2013 MW-7DD-082013 mg/l	MW-7DD - 12/17/2013 MW-7DD-121713 mg/l	MW-7DD - 3/26/2014 MW-7DD-032614 mg/l	MW-7DD-061114 - 6/11/2014 MW-7DD-061115 mg/L	MW-7DD - 9/24/2014 MW7DD092414 mg/l	MW-7DD - 4/12/2017 MW7DD041217 mg/l	MW-7DD - 9/13/2017 MW7DD09132017 mg/l
Alkalinity (As Caco3)	NS	mg/l	360	232	263	314	304 B	310	309	314 B	359	207	240 B
Chloride	250	mg/l	142	128 B	118 B	90.3	94.3 B	114 B	107	56.8	61.6	35.1	42.2
Nitrate (as N)	10	mg/l	0.05 U	0.04 J	0.049 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.38	0.033 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	[384]	[523]	[514]	[457]	[432]	[473]	[537]	[305]	[643]	75.1	[400]
Total Sulfides	NS	mg/l	1.9	0.88	0.95	0.5	2.5	0.26	0.26	0.19	0.1 U	0.34	0.09 J
Total Organic Carbon, Filtere	NS	mg/l	2.4	3.5	3.7	4.6	4.7	4.6	5.9	4.9	4.3	2.8	5.4 B
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

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Chemical Name	Class GA GW STds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-7DD - 9/18/2018 MW7DD091818 mg/l	MW-7DD - 3/19/2019 MW7DD031919 mg/l	MW-7DD - 9/24/2019 MW-7DD-092419 mg/L
Alkalinity (As Caco3)	NS	mg/l	295 B	199 B	228
Chloride	250	mg/l	93.4	45.9	29.3
Nitrate (as N)	10	mg/l	0.050 U	0.05 U	0.070
Nitrite (as N)	1	mg/l	0.050 U	0.05 U	0.050 B
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---
Sulfate	250	mg/l	[429]	[428]	413
Total Sulfides	NS	mg/l	0.090 JH	0.1 UH*	1.0 U
Total Organic Carbon, Filtere	NS	mg/l	5.3 B	3.8 B	8.9
pH	NS	STD u	---	---	---

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Alkalinity (As Caco3)	NS	mg/l	240	190	190	190	190	190	170	190	200	150	170 D,B
Chloride	250	mg/l	19	54	13	13	12	12	7.4	6.1	10	5.6	9.29
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.074	0.2	0.82	0.45	0.058
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.0072 J	0.05 U	0.1 U	0.1	0.04 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	100	110	92	61	130	74	65	120	65	61.2 D
Total Sulfides	NS	mg/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.40 J	0.60 J	0.8 U	1	1 U	0
Total Organic Carbon, Filtere	NS	mg/l	2	4	4	2	1	3.4	3.9	30	3.6	3.2	1.4
pH	NS	STD u	7.4	---	---	---	---	---	---	---	---	---	---

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Chemical Name	Class GA GW STds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-08S - 05/18/2010 W-8S-051810051820: mg/l	MW-08S - 01/18/2011 MW-8S-01182011 mg/l	MW-08S - 4/19/2011 MW-8S-041911 mg/l	MW-08S - 7/27/2011 MW-8S072711 mg/l	MW-08S - 10/25/2011 MW8S102511 mg/l	MW-08S - 3/21/2012 MW8S032112 mg/l	MW-8S - 8/8/2012 MW8S080812 mg/l	MW-8S - 12/18/2012 MW-8S-121812 mg/l	MW-8S - 5/22/2013 MW-8S-052313 mg/l	MW-8S - 8/20/2013 MW-8S-082013 mg/l	X-1-082013 - 12/18/2012 MW-8S-082013 mg/l
Alkalinity (As Caco3)	NS	mg/l	196 B	186 B	152 B	238 B	166	---	214	139	278	245 B	228 B
Chloride	250	mg/l	10.5	13.7	38.9 ^B	47.7	17.7	23.6	16.8	8.1 B	25.5 B	13.2 B	13.5 B
Nitrate (as N)	10	mg/l	0.745	0.05 U	0.15	0.026 J	0.21	0.05 U	0.05 U	0.12	0.05 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	43.5	108 B	41.6	152	78.4	---	120	73.8	123	90.9	95.6
Total Sulfides	NS	mg/l	0.002 U	0.1 U	0.1 U	0.1 UH	0.063 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Total Organic Carbon, Filtere	NS	mg/l	2.7	2.9	1.8	2.5	3	1.0 U	1.3	2.6	2.7	2.6	2.4
pH	NS	STD u		---	---	---	---	---	---	---	---	---	---

NOTES:
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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW STds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-8S - 12/17/2013 MW-8S-121713 mg/l	MW-8S - 3/26/2014 MW-8S-032614 mg/l	MW-8S - 6/11/2014 MW-8S-061114 mg/l	MW-ID-060914 - 6/9/2014 MW-ID-060914 mg/l	X-1-061014 - 6/10/2014 X-1-061014 mg/l	MW-8S - 9/24/2014 MW8S092414 mg/l	MW-8S - 4/12/2017 MW8S041217 mg/l	MW-8S - 9/13/2017 MW8S091317 mg/l	MW-8S - 9/18/2018 MW8S091818 mg/l	MW-8S - 3/19/2019 MW8S031919 mg/l	MW-08S - 9/24/2019 MW-8S-092419 mg/ L
Alkalinity (As Caco3)	NS	mg/l	213	147	312	374	239	256 B	170	205 B	201 B	130 B	232
Chloride	250	mg/l	11.4 B	10.3	6	[369]	[362]	11.4 B	5.4	6.5	13.4	6	6.4
Nitrate (as N)	10	mg/l	0.05 U	0.098	0.09	0.05 U	0.05 U	0.029 J	0.067	0.091	0.19	0.17	0.031 J
Nitrite (as N)	1	mg/l	0.05 U	0.022 JB	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	76.4	38.6	42.8	[258]	241	81.5	60	61.7	97.8	35.3	55.1
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.098 J	0.079 J	0.1 U	0.06 J	0.1 U F1	0.10 UH	0.1 UH* F1 F2	1.0 U
Total Organic Carbon, Filtere	NS	mg/l	2.6	1.9	2.8	5.6	3	2.7	1.4	2.6 B	2.2 B	1.2 B	2.7
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

NOTES:
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H - Sample analyzed beyond the specified holding time
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Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-08D - 2/18/2000 MW-08D_WG_021800 mg/l	MW-08D - 8/16/2001 MW-08D_WG_081601 mg/l	MW-08D - 11/28/2001 MW-08D_WG_112801 mg/l	MW-08D - 2/25/2002 MW-08D_WG_022502 mg/l	MW-08D - 5/16/2002 MW-08D_WG_051602 mg/l	MW-08D - 11/16/2004 MW-08D_WG_111604 mg/l	MW-08D - 11/16/2005 MW-8D_11162005 mg/l	MW-08D - 11/15/2006 MW-8D_11152006 mg/l	MW-08D - 11/1/2007 MW8-D-110107 mg/l	MW-08D - 11/18/2008 MW8-D-111808 mg/l	MW-08D - 10/20/2009 MW-8D-10202009 mg/l
Alkalinity (As Caco3)	NS	mg/l	330	300	330	310	310	280	280	260	260	260	245 D,B
Chloride	250	mg/l	150	190	190	180	170	[530]	210	140	[270]	180	81 D,B
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.0042 J	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	240	[250]	[260]	240	[280]	[260] E	240	[270]	[250]	166 D
Total Sulfides	NS	mg/l	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.40 J	0.60 J	0.8 U	1	1 U	0
Total Organic Carbon, Filtere	NS	mg/l	1	7	2	3	4	3.7	3.9	34	4.5	35	1.7
pH	NS	STD u	7.2	---	---	---	---	---	---	---	---	---	---

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H - Sample analyzed beyond the specified holding time
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Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-08D - 5/18/2010 W-8D-051810051820: mg/l	MW-08D - 1/19/2011 MW-8D-01192011 mg/l	MW-08D - 4/19/2011 MW-8D-041911 mg/l	MW-08D - 7/27/2011 MW-8D072711 mg/l	MW-08D - 10/25/2011 MW8D102511 mg/l	MW-08D - 3/21/2012 MW8D032112 mg/l	MW-8D - 8/8/2012 MW8D080812 mg/l	MW-8D - 12/18/2012 MW-8D-121812 mg/l	MW-8D - 5/22/2013 MW-8D-052213 mg/l	MW-8D - 8/20/2013 MW-8D-082013 mg/l	MW-8D - 12/17/2013 MW-8D-121713 mg/l
Alkalinity (As Caco3)	NS	mg/l	280 B	259 B	244 B	259 B	267	---	270	203	269	253 B	234
Chloride	250	mg/l	66.3	80.7	83.1	71.5	92	71 B	80.3	72.9 B	66.5 B	60.4 B	56.1 B
Nitrate (as N)	10	mg/l	0.087	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.022 J	0.05 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	149	153 B	146	157	144	---	128	132	131	130	108
Total Sulfides	NS	mg/l	0.002 U	0.089 J	0.15	0.1 UH	0.24	0.24	0.17	0.22	0.1 U	0.19	0.23
Total Organic Carbon, Filtere	NS	mg/l	3.4	3.8	3.3	4.3	3.9	3.8	1.5	2.7	3.8	3.2	3.6
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

NOTES:
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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-8D - 3/26/2014 MW-8D-032614 mg/l	X-1 - 3/26/2014 MW-8D-032614 mg/l	MW-8D - 6/11/2014 MW-8D-061114 mg/l	MW-8D - 9/24/2014 MW8D092414 mg/l	X-1 - 9/24/2014 MW8D092414 mg/l	MW-8D - 4/13/2017 MW8D041317 mg/l	MW-8D - 9/13/2017 MW8D091317 mg/l	MW-8D - 9/18/2018 MW8D091818 mg/l	MW-8D - 3/19/2019 MW8D031919 mg/l	MW-08D - 9/24/2019 MW-8D-092419 mg/L
Alkalinity (As Caco3)	NS	mg/l	266	281	337	387 B	387 B	323 B	292 B	292 B	264 B	306
Chloride	250	mg/l	62.4	59.3	143	234	230	132	369	[333]	101	[304]
Nitrate (as N)	10	mg/l	0.042 J	0.046 J	0.05 U	0.021 J	0.026 J	0.05	0.05 U H	0.050 UH	0.05 U	0.045 J
Nitrite (as N)	1	mg/l	0.05 U	0.022 JB	0.05 U	0.05 U	0.05 U	0.05	0.05 U H	0.050 UH	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	131	132	243	[268]	[265]	184 B	226	225 B	121	218
Total Sulfides	NS	mg/l	0.15	0.11	0.18	0.1 U	0.1 U	1	0.13	0.070 JHF1	0.38 H	1.0 U
Total Organic Carbon, Filtere	NS	mg/l	4.5	4.5	4.5	3.7	3.6	3.3	3.9 B	2.9 B	4 B	3.6
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---

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[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-08DD - 11/16/2005 MW-8DD_11162005 mg/l	MW-08DD - 11/15/2006 MW-8DD_11152006 mg/l	MW-08DD - 11/1/2007 MW-8DD-110107 mg/l	MW-08DD - 11/18/2008 /W-08DD_WG_11180 mg/l	MW-08DD 10/20/2009 MW-8DD-10202009 mg/l	MW-08DD 05/18/2010 V-8DD-051810051820 mg/l	MW-08DD 01/18/2011 MW-8DD-01182011 mg/l	MW-08DD - 4/19/2011 MW-8DD-041911 mg/l	MW-08DD - 7/27/2011 MW-8DD072711 mg/l	MW-08DD - 10/25/2011 MW8DD102511 mg/l	MW-08DD - 3/21/2012 MW8DD032112 mg/l
Alkalinity (As Caco3)	NS	mg/l	290	270	260	230	316 D,B	350 B	223 B	214 B	273 B	273	---
Chloride	250	mg/l	220	240	[250]	240	249 D,B	177	76.8	115 B	162	141	95.9 B
Nitrate (as N)	10	mg/l	0.05 U	0.1 U	0.1	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.1 U	0.1	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---		---	---	---	---	---
Sulfate	250	mg/l	[290] E	[310]	[660]	[650]	[1080] D	[1200]	178 B	[717]	[1050]	[583]	---
Total Sulfides	NS	mg/l	0.8	0.8 U	1	1 U	0	0.093	0.1 U	0.1 U	0.1 UH	0.1 U	0.1 U
Total Organic Carbon, Filtere	NS	mg/l	3.8	3.7	3	3.4	1.7	3.9	4.6	4.6	4.9	4.1	4.3
pH	NS	STD u	---	---	---	---			---	---	---	---	---

NOTES:
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Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-8DD - 8/8/2012 MW8DD080812 mg/l	MW-8DD - 12/18/2012 MW-8DD-121812 mg/l	MW-8DD - 5/22/2013 MW-8DD-052213 mg/l	MW-8DD - 8/20/2013 MW-8DD-082013 mg/l	MW-8DD - 12/17/2013 MW-8DD-121713 mg/l	MW-8DD - 3/26/2014 MW-8DD-032614 mg/l	MW-8DD - 6/11/2014 MW-8DD-061114	MW-8DD - 9/24/2014 MW8DD092414 mg/l	MW-8DD - 4/13/2017 MW8DD041317 mg/l	MW-8DD - 9/13/2017 MW8DD091317 mg/l	MW-8DD - 9/18/2018 MW8DD091818 mg/l	MW-8DD - 3/19/2019 MW8DD031919 mg/l	MW-08DD - 9/24/2019 MW-8DD-092419 mg/L
Alkalinity (As Caco3)	NS	mg/l	286	263	283	255 B	300	299	293	351 B	259 B	247 B	256 B	207 B	262
Chloride	250	mg/l	101	133 B	124 B	72.5 B	79.7 B	90.2	126	166	55.5	110	208	79.6	215
Nitrate (as N)	10	mg/l	0.05 U	0.042 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U H	0.050 U	0.05 U	0.031 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U H	0.050 U	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	[1040]	[1160]	[1130]	[320]	[1040]	[616]	[1010]	[1080]	138 B	[1050]	[1140]	131	236
Total Sulfides	NS	mg/l	0.063 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.9	1.8	0.060 JH	0.24 H	1.0 U
Total Organic Carbon, Filtere	NS	mg/l	1.3	2.9	6.7	5.3	4.9	5.2	4.3	3.4	2.6	4.1 B	3.2 B	4.1 B	3.5
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---	---	---

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Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-10S - 2/15/2000 MW-10S_WG_021500 mg/l	MW-10S - 8/14/2001 MW-10S_WG_081401 mg/l	MW-10S - 11/29/2001 MW-10S_WG_112901 mg/l	MW-10S - 2/27/2002 MW-10S_WG_022702 mg/l	MW-10S - 5/15/2002 MW-10S_WG_051502 mg/l	MW-10S - 11/17/2004 MW-10S_WG_111704 mg/l	MW-10S - 11/14/2005 MW-10S_11142005 mg/l	MW-10S - 11/14/2006 MW-10S_11142006 mg/l	MW-10S - 10/30/2007 MW 10 S-103007 mg/l	MW-10S - 11/19/2008 MW 10 S-111908 mg/l	MW-10S - 10/22/2009 MW-10S-10222009 mg/l
Alkalinity (As Caco3)	NS	mg/l	250	260	210	210	230	280	260	270	280	330	318 D
Chloride	250	mg/l	[370]	130	70	23	14	[270]	60	40	[300]	130	75.4 D,B
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	1.1	0.1 U	0.1	0.1 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.013 J	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	150	170	93	57	[380]	180	160	[330]	[290]	[270] D
Total Sulfides	NS	mg/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.60 J	0.8 U	0.8 U	1	1 U	0
Total Organic Carbon, Filtere	NS	mg/l	5	7	4	5	3	3.9	6	8.2	3.6	9.3	2.8
pH	NS	STD u	7.3	---	---	---	---	---	---	---	---	---	---

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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-10S - 05/18/2010 V-10S-051810051820 mg/l	MW-10S - 1/20/2011 MW 10 S-01202011 mg/l	MW-10S - 4/20/2011 MW-10S-042011 mg/l	MW-10S - 7/26/2011 MW-10S072611 mg/l	MW-10S - 10/27/2011 MW10S102711 mg/l	MW-10S - 3/20/2012 MW10S032012 mg/l	MW-10S - 8/7/2012 MW10S080712 mg/l	MW-10S - 12/19/2012 MW-10S-121912 mg/l	MW-10S - 5/21/2013 MW-10S-052113 mg/l	MW-10S - 8/22/2013 MW-10S-082213 mg/l	MW-10S - 12/18/2013 MW-10S-121813 mg/l
Alkalinity (As Caco3)	NS	mg/l	244 B	238	146	279 B	386	---	331	294 B	280	259	308
Chloride	250	mg/l	12.3	22.2	7.8	46.5	171	11.1	113	10	21 B	31.5	128 B
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	27.5	117 B	5 U	214	[331]	---	[303]	87.5	113	131	216
Total Sulfides	NS	mg/l	0.055	0.1 U	0.1 U	0.1 UH	0.1 U	0.1 U	0.1 U	0.074 J	0.1 U	0.1 U	0.064 J
Total Organic Carbon, Filtere	NS	mg/l	6.6	5.9	1.2	5.5	1.8	2.1	2.1	5.9	9.5	4.6	4.3
pH	NS	STD u		---	---	---	---	---	---	---	---	---	---

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U - not detected, J - estimated, D - Diluted Result, B - analyte was detected in the associated method blank, R - unusable, NS - no standard, Dup - duplicate sample, --- Not Analyzed
H - Sample analyzed beyond the specified holding time
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Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-10S - 3/25/2014 MW-10S-032514 mg/l	MW-10S - 6/10/2014 MW-10S-061014 mg/l	MW-10S - 9/23/2014 MW10S092314 mg/l	MW-10S - 4/11/2017 MW10S041117 mg/l	MW-10S - 9/12/2017 MW10S091217 mg/l	MW-10S - 9/12/2017 MW10S091217 mg/l	X-1 - 9/19/2018 MW10S091918 mg/l	MW-10S - 3/20/2019 MW10S032019 mg/l	MW-10S - 9/25/2019 MW-10S-092519 mg/L
Alkalinity (As Caco3)	NS	mg/l	276	275	394 B	192	365 B	396 B	398 B	261 B	366
Chloride	250	mg/l	125	360	205	115	153	134	134	[375]	142
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.022 J	0.05	0.05 U	0.050 U	0.050 U	0.05 U	0.022 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.050 U	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	152	239	[338]	91.9 B	[350]	[480]	[488]	[248]	[308]
Total Sulfides	NS	mg/l	0.1 U	0.08 J	0.1 U	0.13	0.08 J	0.10 UH	0.10 UH	0.1 UH*	1.0 U
Total Organic Carbon, Filtere	NS	mg/l	4.8	3.1	3.8	4.2	4.6 B	3.5 B	3.2 B	2.7	3.9
pH	NS	STD u	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, B - analyte was detected in the associated method blank, R - unusable, NS - no standard, Dup - duplicate sample, --- Not Analyzed
H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-10D - 2/15/2000 MW-10D_WG_021500 mg/l	MW-10D - 8/14/2001 MW-10D_WG_081401 mg/l	MW-10D - 11/29/2001 MW-10D_WG_112901 mg/l	MW-10D - 2/27/2002 MW-10D_WG_022702 mg/l	MW-10D - 5/15/2002 MW-10D_WG_051502 mg/l	MW-10D - 11/17/2004 MW-10D_WG_111704 mg/l	MW-10D - 11/14/2005 MW-10D_11142005 mg/l	MW-10D - 11/14/2006 MW-10D_11142006 mg/l	MW-10D - 10/30/2007 MW 10 D-103007 mg/l	MW-10D - 11/19/2008 MW 10 D-111908 mg/l	MW-10D - 10/22/2009 MW-10D-10222009 mg/l
Alkalinity (As Caco3)	NS	mg/l	240	260	270	230	270	270	270	280	270	270	248 D
Chloride	250	mg/l	190	220	230	120	230	[370]	[330]	[330]	[350]	[320]	[295] D
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.035 J	0.1 U	0.1	0.1 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.011 J	0.05 U	0.1 U	0.1	0.1 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	---	---
Sulfate	250	mg/l	7.5 U	220	210	150	220	[370]	[340]	[320]	[310]	[260]	232 D
Total Sulfides	NS	mg/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.60 J	0.8 U	0.8 U	1	1 U	0
Total Organic Carbon, Filtere	NS	mg/l	5	6	4	4	1 U	3.3	3.5	19	3.8	15	2.8
pH	NS	STD u	8	---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, B - analyte was detected in the associated method blank, R - unusable, NS - no standard, Dup - duplicate sample, --- Not Analyzed
H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID / Depth Interval / Sample Date / Sample ID / units	MW-10D - 5/18/2010 V-10D-051810051820 mg/l	MW-10D - 1/20/2011 MW-10D-01202011 mg/l	MW-10D - 4/20/2011 MW-10D-042011 mg/l	MW-10D - 7/26/2011 MW-10D072611 mg/l	MW-10D - 7/26/2011 X1072611 mg/l	MW-10D - 10/27/2011 MW10D102711 mg/l	MW-10D - 3/20/2012 MW10D032012 mg/l	MW-10D - 8/7/2012 MW10D080712 mg/l	MW-10D - 12/19/2012 MW-10D-121912 mg/l	MW-10D - 5/21/2013 MW-10D-052113 mg/l	MW-10D - 8/22/113 MW-10D-082213 mg/l
Alkalinity (As Caco3)	NS	mg/l	317 B	273	258	278 B	285 B	251	---	277	327 B	319	361
Chloride	250	mg/l	247	[293]	224	233	234	237	83.9	208	212	144 B	122
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.022 J	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	241	242 B	247	242	245	[253]	---	185	228	200	427
Total Sulfides	NS	mg/l	0.002 U	0.1 U	0.059 J	0.1 UH	0.1 UH	0.1 U	0.1 U	0.065 J	0.26	0.1 U	0.1 U
Total Organic Carbon, Filtere	NS	mg/l	3.9	2	1 U	3.4	3.3	1.6	5.2	1.4	2.3	15.1	3
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, B - analyte was detected in the associated method blank, R - unusable, NS - no standard, Dup - duplicate sample, --- Not Analyzed
H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Data - Geochemical
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-10D - 12/18/2013 MW-10D-121813 mg/l	X-1-121813 - 12/18/2013 MW-10D-121813 mg/l	MW-10D - 3/25/2014 MW-10D-032514 mg/l	MW-10D - 6/10/2014 MW-10D-061014 mg/l	MW-10D - 9/23/2014 MW10D092314 mg/l	MW-10D - 4/12/2017 MW10D041217 mg/l	MW-10D - 9/12/2017 MW10D091217 mg/l	MW-10D - 9/19/2018 MW10D091918 mg/l	MW-10D - 3/20/2019 MW10D032019 mg/l	MW-10D - 9/25/2019 MW-10D-092519 mg/L
Alkalinity (As Caco3)	NS	mg/l	308	331	308	272	339 B	282	259 B	261 B	270 B	291
Chloride	250	mg/l	128 B	128 B	[290]	[373]	[412]	[354]	[368]	[389]	[380]	[391]
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 U	0.050 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.05 UH	0.037 JB
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	216	216	241	233	[257]	238	[257]	[260]	249	210
Total Sulfides	NS	mg/l	0.064 J	0.068 J	0.1 U	0.073 J	0.1 U	0.18	0.08 J	0.10 UHF1	0.1 UH F1*	1.0 U
Total Organic Carbon, Filtere	NS	mg/l	4.3	4	4	3	2.9	2.5	3.8 B	2.7 B	2.5	3.4
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, B - analyte was detected in the associated method blank, R - unusable, NS - no standard, Dup - duplicate sample, --- Not Analyzed
H - Sample analyzed beyond the specified holding time, F1 - MS and/or MSD outside acceptable limits
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-01S - 2/14/2000 MW-01S_WG_021400 mg/l	MW-01S - 8/13/2001 MW-01S_WG_081301 mg/l	MW-01S - 11/26/2001 MW-01S_WG_112601 mg/l	MW-01S - 2/25/2002 MW-01S_WG_022502 mg/l	MW-01S - 5/13/2002 MW-01S_WG_051302 mg/l	MW-01S - 11/16/2004 MW-01S_WG_111604 mg/l	MW-01S - 11/15/2005 MW-1S_11152005 mg/l	MW-01S - 11/14/2006 MW-1S_11142006 mg/l	MW-01S - 10/29/2007 MW-1S-102907 mg/l	MW-01S - 11/18/2008 MW-1S-111808 mg/l	MW-01S - 10/19/2009 MW-1S-101909 mg/l
Ethane	NS		0.002 UJ	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.013 U	0.0013 U	0.00053 U	0.00052 U	0.00052 U
Ethylene	NS		0.002 UJ	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.013 U	0.0013 U	0.0005 U	0.00049 U	0.00049 U
Methane	NS		0.006	0.008 J	0.012 U	0.009	0.024	0.002 U	0.076	0.018	0.00056 U	0.001	0.00054 J
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-01S - 05/18/2010 MW-1S-051810 mg/l	MW-01S - 1/19/2011 MW-1S-011911 mg/l	MW-01S - 4/18/2011 MW-1S-041811 mg/l	MW-01S - 7/26/2011 MW-1S-072611 mg/l	MW-01S - 10/25/2011 MW-1S-102511 mg/l	MW-01S - 3/20/2012 MW-1S-032012 mg/l	MW-01S - 8/7/2012 MW-1S-080712 mg/l	MW-01S - 12/18/2012 MW-1S-121812 mg/l	MW-01S - 5/21/2013 MW-1S-052113 mg/l	MW-01S - 8/19/2013 MW-1S-081913 mg/l	MW-01S - 12/18/2013 MW-1S-121813 mg/l
Ethane	NS		0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00056 U	0.0002 U	0.0002 U
Ethylene	NS		0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00053 U	0.000023 J	0.0002 U
Methane	NS		0.00061 U	0.001	0.00044 J	0.0013 B	0.00061 U	0.00051 J	0.00061 U	0.00061 U	0.0032	0.0083	0.0052
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	0.76	0.5 J

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-01S - 3/25/2014 MW-1S-032514 mg/l	MW-01S - 6/9/2014 MW-1S-060914 mg/l	MW-1S - 9/23/2014 MW1S092314 mg/L	MW-1S - 4/11/2017 MW1S041117 mg/L	X-1 - 4/11/2017 MW1S041117 mg/L	MW-1S - 9/12/2017 MW1S91217 mg/L	MW-1S - 9/18/2018 MW1S091818 mg/L	MW-1S - 3/18/2019 MW1S031819 mg/L	MW-1S - 9/24/2019 MW1S092419 mg/l
Ethane	NS		0.0002 U	.0000062 J	0.2 U	0.000033 J	0.000023 J	0.0002 U	0.0002 U	0.0002 U	0.0000060 U
Ethylene	NS		0.0002 U	.000017 J	0.000018 J	0.000016 J	0.0000085 J	0.0002 U	0.0002 U	0.0002 U	0.000012 U
Methane	NS		0.0055	0.0039	0.000088 J	0.0096 B	0.0069 B	0.00074	0.0024	0.00092	0.0062
Hydrogen*	NS		0.67	1.2	1.3	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-01D - 2/14/2000 MW-01D_WG_021400 mg/l	MW-01D - 8/13/2001 MW-01D_WG_081301 mg/l	MW-01D - 11/26/2001 MW-01D_WG_112601 mg/l	MW-01D - 2/25/2002 MW-01D_WG_022502 mg/l	MW-01D - 5/13/2002 MW-01D_WG_051302 mg/l	MW-01D - 11/16/2004 MW-01D_WG_111604 mg/l	MW-01D - 11/15/2005 MW-1D_11152005 mg/l	MW-01D - 11/14/2006 MW-1D_11142006 mg/l	MW-01D - 10/29/2007 MW-1D-102907 mg/l	MW-01D - 11/18/2008 MW-1D-111808 mg/l	MW-1D - 10/19/2009 MW-1D-101909 mg/l
Ethane	NS		0.002 UJ	0.002 U	0.002 U	0.002 U	0.0013 U	0.0044 U	0.0013 U	0.0013 U	0.00053 U	0.00053 U	0.00053 U
Ethylene	NS		0.002 UJ	0.002 U	0.002 U	0.002 U	0.0013 U	0.0044 U	0.0013 U	0.0013 U	0.0005 U	0.0005 U	0.0005 U
Methane	NS		0.02	0.02	0.02	0.03	0.029	0.047	0.023	0.049	0.014	0.011	0.0057
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-01D - 05/18/2010 MW-1D-051810 mg/l	MW-01D - 1/19/2011 MW-1D-011911 mg/l	MW-01D - 4/18/2011 MW-1D-041811 mg/l	MW-01D - 7/26/2011 MW-1D-072611 mg/l	MW-01D - 10/25/2011 MW-1D-102511 mg/l	MW-1D - 3/20/2012 MW-1D-032012 mg/l	MW-1D - 8/7/2012 MW-1D-080712 mg/l	X-1 - 8/7/2012 MW-1D-080712 mg/l	MW-1D - 12/18/2012 MW-1D-121812 mg/l	MW-1D - 5/21/2013 MW-1D-052113 mg/l
Ethane	NS		0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00056 U	0.00054 U
Ethylene	NS		0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00051 U
Methane	NS		0.0045	0.013	0.0067	0.01 B	0.0055 B	0.012	0.0099	0.013	0.014	0.028
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-1D - 8/19/2013 MW-1D-081913 mg/l	MW-1D - 12/19/2013 MW-1D-121913 mg/l	MW-1D - 3/25/2014 MW-1D-032514 mg/l	MW-1D - 6/9/2014 MW-1D-060914 mg/l	MW-1D - 9/23/2014 MW1D092314 mg/L	MW-1D - 4/11/2017 MW1D041117 mg/L	MW-1D - 9/12/2017 MW1D091217 mg/L	X-1 - 9/12/2017 MW1D091217 mg/L	MW-1D - 9/18/2018 MW1D091818 mg/L	MW-1D - 3/18/2019 MW1D031819 mg/L
Ethane	NS		.000073 J	0.000077 J	0.00011 J	0.00006 J	0.00012 J	0.000074 J	0.0001 J	0.00014 J	0.00011 J	0.00011 J
Ethylene	NS		0.0002 U	0.000019 U	0.00025 J	0.0000077 J	0.00003 J	0.000015 J	0.0002 U	0.000043 J	0.00014 J	0.0000.2 U
Methane	NS		0.044	0.033	0.032	0.045	0.025	0.012 B	0.024	0.21	0.022	0.025
Hydrogen*	NS		0.66	0.57 J	0.57 J	5.3	0.71	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-1D - 9/25/2019 MW1D 09252019 mg/L
Ethane	NS		0.00058 J
Ethylene	NS		0.000012 U
Methane	NS		0.024
Hydrogen*	NS		---

Date Printed: 2/21/2020
File: I:\Goodyear.5540\73781.Forest-Glen-201\Docs\Reports\2019_Annual_Report\Tab 6 - DisGas Hydrogen.xls
Database: Q:\6510_Goodyear\Forest Glen\Database\Forest_Glen.mdb

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-04S - 2/17/2000 MW-04S_WG_021700 mg/l	MW-04S - 8/15/2001 MW-04S_WG_081501 mg/l	MW-04S - 11/29/2001 MW-04S_WG_112901 mg/l	MW-04S - 2/28/2002 MW-04S_WG_022802 mg/l	MW-04S - 5/14/2002 MW-04S_WG_051402 mg/l	MW-04S - 11/17/2004 MW-04S_WG_111704 mg/l	MW-04S - 11/16/2005 MW-4S_11162005 mg/l	MW-04S - 11/16/2006 MW-4S_11162006 mg/l	MW-04S - 10/31/2007 MW 4-S-103107 mg/l	MW-04S - 11/18/2008 MW 4-S-111808 mg/l	MW-04S - 10/21/2009 MW-4S-102109 mg/l
Ethane	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00052 U	0.00051 U	0.00053 U
Ethylene	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00049 U	0.00048 U	0.0005 U
Methane	NS		0.002	0.03	0.012 U	0.01	0.0058	0.031	0.063	0.00071 U	0.0093	0.0088	0.017
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-04S - 05/19/2010 MW-4S-051910 mg/l	MW-04S - 1/20/2011 MW-4S-012011 mg/l	MW-04S - 4/21/2011 MW-4S-042111 mg/l	MW-04S - 7/28/2011 MW-4S-072811 mg/l	MW-04S - 10/27/2011 MW-4S-102711 mg/l	MW-4S - 3/22/2012 MW-4S-032212 mg/l	MW-4S - 8/9/2012 MW-4S-080912 mg/l	MW-4S - 12/20/2012 MW-4S-122012 mg/l	MW-4S - 5/22/2013 MW-4S-052213 mg/l	MW-4S - 8/22/2013 MW-4S-082213 mg/l	MW-4S - 12/19/2013 MW-4S-121913 mg/l
Ethane	NS		0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00056 U	0.00056 U	0.00004 J	0.000022 J
Ethylene	NS		0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00053 U	0.00053 U	0.0002 U	0.000019 J
Methane	NS		0.012	0.016	0.0034	0.009 B	0.0077 B	0.011	0.017	0.0081	0.028	0.1	0.038
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	NS	NS

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-4S - 3/27/2014 MW-4S-032714 mg/l	MW-4S - 6/11/2014 MW-4S-061114 mg/l	MW-4S - 9/23/2014 MW-4S-092314 mg/l	MW-4S - 4/13/2017 MW-4S-041317 mg/l	MW-4S - 9/14/2017 MW-4S-091417 mg/l	MW-4S - 9/19/2018 MW-4S-091818 mg/l	MW-4S - 3/20/219 MW-4S-032019 mg/l	MW-4S - 9/25/2019 MW-4S-092519 mg/L
Ethane	NS		0.00026 J	0.000049 J	---	0.000027 J	0.00006 J		0.000018 J	0.000033 J
Ethylene	NS		0.0002 U	0.0000096 J	---	0.0002 U	0.0002 U	NOT SAMPLED	0.0002 U	0.000012 U
Methane	NS		0.056	0.037	---	0.03	0.05		0.012	0.015
Hydrogen*	NS		---	---	---	---	.---		---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-4S - 9/14/2017 MW-4S-091417 mg/l	MW-04D - 2/17/2000 MW-04D_WG_021700 mg/l	MW-04D - 8/15/2001 MW-04D_WG_081501 mg/l	MW-04D - 11/29/2001 MW-04D_WG_112901 mg/l	MW-04D - 2/28/2002 MW-04D_WG_022802 mg/l	MW-04D - 5/14/2002 MW-04D_WG_051402 mg/l	MW-04D - 11/17/2004 MW-04D_WG_111704 mg/l	MW-04D - 11/16/2005 MW-4D_11162005 mg/l	MW-04D - 11/15/2006 MW-4D_11152006 mg/l	MW-04D - 10/31/2007 MW 4-D-103107 mg/l
Ethane	NS		0.00006 J	0.02 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00053 U
Ethylene	NS		0.0002 U	0.02 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.0005 U
Methane	NS		0.05	0.06	0.02	0.012 U	0.04	0.041	0.028	0.032	0.016	0.0097
Hydrogen*	NS		.---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-04D - 11/19/2008 MW 4-D-111908 mg/l	MW-4D - 10/21/2009 MW-4D-102109 mg/l	MW-04D - 05/19/2010 MW-4D-051910 mg/l	MW-04D - 1/20/2011 MW-4D-012011 mg/l	MW-04D - 4/21/2011 MW-4D-042111 mg/l	MW-04D - 7/28/2011 MW-4D-072811 mg/l	MW-04D - 10/26/2011 MW-4D-102611 mg/l	MW-4D - 3/22/2012 MW-4D-032212 mg/l	MW-4D - 8/9/2012 MW-4D-080912 mg/l	MW-4D - 12/20/2012 MW-4D-122012 mg/l	MW-4D - 5/22/2013 MW-4D-052213 mg/l
Ethane	NS		0.00052 U	0.00053 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00056 U
Ethylene	NS		0.00049 U	0.0005 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00053 U
Methane	NS		0.029	0.0091	0.0094	0.0067	0.0084	0.0079 B	0.0049 B	0.02	0.0096	0.011	0.023
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-4D - 8/21/2013 MW-4D-082113 mg/l	MW-4D - 12/19/2013 MW-4D-121913 mg/l	MW-4D - 3/27/2014 MW-4D-032714 mg/l	MW-4D - 6/10/2014 MW-4D-061014 mg/l	MW-4D - 9/25/2014 MW-4D-092514 mg/l	MW-4D - 4/13/2017 MW-4D-041317 mg/l	MW-4D - 9/14/2017 MW-4D-041217 mg/l	MW-4D - 9/19/2018 MW-4D-091918 mg/l	MW-4D - 3/20/2019 MW-4D-032019 mg/l	MW-4D - 9/25/2019 MW-4D-092519 mg/L
Ethane	NS		0.00022	0.00013 J	0.00029	0.00023	0.00023	0.0002 J	0.00018 J	0.0002	0.0002	0.00018 J
Ethylene	NS		.00002 J	0.000019 J	0.00021 J	.0002 U	0.000030 J	0.000011 J	0.0002 U	0.000041 J	0.0002	0.000012 U
Methane	NS		0.031	0.044	0.036	0.027	0.036	0.038	0.025	0.032	0.033	0.036
Hydrogen*	NS		0.77	0.59 J	0.64	1.4	0.82	---	---	---	---	---

NOTES:
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Data have note been validated
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-05S - 2/17/2000 MW-05S_WG_021700 mg/l	MW-05S - 8/14/2001 MW-05S_WG_081401 mg/l	MW-05S - 11/29/2001 MW-05S_WG_112901 mg/l	MW-05S - 2/27/2002 MW-05S_WG_022702 mg/l	MW-05S - 5/15/2002 MW-05S_WG_051502 mg/l	MW-05S - 11/17/2004 MW-05S_WG_111704 mg/l	MW-05S - 11/15/2005 MW-5S_11152005 mg/l	MW-05S - 11/14/2006 MW-5S_11142006 mg/l	MW-05S - 10/30/2007 MW 5 S-103007 mg/l	MW-05S - 11/19/2008 MW 5 S-111908 mg/l	MW-05S - 10/21/2009 MW-5S-102109 mg/l
Ethane	NS		0.02 U	0.02 U	0.04 U	0.04 U	0.026 U	0.0044 U	0.0013 U	0.013 U	0.00032 J	0.052 U	0.00053 U
Ethylene	NS		0.02 U	0.01	0.04 U	0.04 U	0.03 U	0.0044 U	0.0013 U	0.013 U	0.0005 U	0.0014	0.0005 U
Methane	NS		0.3	0.4	0.17	0.1	0.11	0.1	0.028	0.12	0.019	0.48	0.016
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

NOTES:
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Data have note been validated
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-05S - 05/19/2010 MW-5S-051910 mg/l	MW-05S - 1/20/2011 MW-5S-012011 mg/l	MW-05S - 4/20/2011 MW-5S-042011 mg/l	MW-05S - 7/28/2011 MW-5S-072811 mg/l	MW-05S - 10/27/2011 MW-5S-102711 mg/l	MW-5S - 3/22/2012 MW-5S-032212 mg/l	MW-5S - 8/9/2012 MW-5S-080912 mg/l	MW-5S - 12/19/2012 MW-5S-121912 mg/l	MW-5S - 5/22/2013 MW-5S-052213 mg/l	MW-5S - 8/21/2013 MW-5S-082113 mg/l	MW-5S - 12/19/2013 MW-5S-121913 mg/l
Ethane	NS		0.0011 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.0087	0.0028 U	0.0028 U	0.057 U	0.0019	0.0032
Ethylene	NS		0.0011 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.0024	0.0027 U	0.0027 U	0.054 U	0.0056	0.018
Methane	NS		0.087	0.071	0.14	0.057 B	0.059 B	0.64	0.18	0.18	0.57	1.5	2.3
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	1.2	0.61

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* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-5S - 3/27/2014 MW-5S-032714 mg/l	MW-5S - 6/10/2014 MW-5S-061014 mg/l	MW-5S - 9/25/2014 MW-5S-092514 mg/l	MW-5S - 4/12/2017 MW-5S-041217 mg/l	MW-5S - 9/14/2017 MW-5S-091417 mg/l	MW-5S - 9/20/2018 MW-5S-092018 mg/l	MW-5S - 3/20/2019 MW-5S-032019 mg/l	MW-05S - 9/25/0219 MW-5S-092519 mg/L
Ethane	NS		0.0001 J	0.00034	0.0011	0.0000068 J	0.00036	0.00020 U	0.000088 J	0.000028 J
Ethylene	NS		0.00027	0.0011	0.0021	0.0000071 J	0.000089 J	0.000026 J	0.000043 J	0.000093 J
Methane	NS		0.037	0.16	0.032	0.000072 JB	0.038	0.0012	0.038	0.0062
Hydrogen*	NS		0.93	1.2	---	---	---	---	---	---

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Data have note been validated
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-05D - 2/17/2000 MW-05D_WG_021700 mg/l	MW-05D - 8/14/2001 MW-05D_WG_081401 mg/l	MW-05D - 11/29/2001 MW-05D_WG_112901 mg/l	MW-05D - 2/27/2002 MW-05D_WG_022702 mg/l	MW-05D - 5/15/2002 MW-05D_WG_051502 mg/l	MW-05D - 11/17/2004 MW-05D_WG_111704 mg/l	MW-05D - 11/15/2005 MW-5D_11152005 mg/l	MW-05D - 11/14/2006 MW-5D_11142006 mg/l	MW-05D - 10/30/2007 MW 5 D-103007 mg/l	MW-05D - 11/19/2008 MW 5 D-111908 mg/l
Ethane	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00053 U	0.00052 U
Ethylene	NS		0.004	0.004	0.002 U	0.002 U	0.0017	0.0022 U	0.0013 U	0.0013 U	0.0005 U	0.00049 U
Methane	NS		0.04	0.05	0.03	0.02	0.024	0.057	0.051	0.033	0.013	0.049
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-5D - 10/21/2009 MW-5D-102109 mg/l	MW-05D - 5/19/2010 MW-5D-051910 mg/l	MW-05D - 1/20/2011 MW-5D-012011 mg/l	MW-05D - 4/20/2011 MW-5D-042011 mg/l	MW-5D - 7/28/2011 MW-5D-072811 mg/l	MW-05D - 10/27/2011 MW-5D-102711 mg/l	MW-5D - 3/22/2012 MW-5D-032212 mg/l	MW-5D - 8/9/2012 MW-5D-080912 mg/l	MW-5D - 12/19/2012 MW-5D-121912 mg/l	MW-5D - 5/22/2013 MW-5D-052213 mg/l	MW-5D - 8/21/2013 MW-5D-082113 mg/l
Ethane	NS		0.00053 U	0.00057 U	0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.000073 J
Ethylene	NS		0.0005 U	0.00054 U	0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.000033 J
Methane	NS		0.0083	0.012	0.013	0.0092	0.011 B	0.015 B	0.024	0.012	0.014	0.038	0.052
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	1.1

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-5D - 12/19/2013 MW-5D-121913 mg/l	MW-5D - 3/27/2014 MW-5D-032714 mg/l	MW-5D - 6/10/2014 MW-5D-061014 mg/l	MW-5D - 9/25/2014 MW-5D-092514 mg/l	MW-5D - 4/12/2017 MW-5D-041217 mg/l	MW-5D - 9/14/2017 MW-5D-091417 mg/l	MW-5D - 9/19/2018 MW-5D-091918 mg/l	MW-5D - 3/20/2019 MW-5D-032019 mg/l	MW-5D - 9/25/2019 MW-5D-092519 mg/L	MW-5D - 9/25/2019 X-1-092519 mg/L
Ethane	NS		0.000073 J	0.00085 J	0.000066 J	0.00069 J	0.000058 J	0.000067 J	0.000075 J	0.000083 J	0.000062 J	0.000063 J
Ethylene	NS		0.000023 J	0.0002 U	0.000021 J	0.00026 J	0.000015 J	0.0002 U	0.000015 J	0.0002 U	0.000014 J	0.00021 J
Methane	NS		0.059	0.059	0.055	0.062	0.048 B	0.048	0.043	0.042	0.059	0.058
Hydrogen*	NS		0.87	0.73	1.4	0.91	---	---	---	---	---	---

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-06S - 2/15/2000 MW-06S_WG_021500 mg/l	MW-06S - 8/15/2001 MW-06S_WG_081501 mg/l	MW-06S - 11/29/2001 MW-06S_WG_112901 mg/l	MW-06S - 2/27/2002 MW-06S_WG_022702 mg/l	MW-06S - 5/15/2002 MW-06S_WG_051502 mg/l	MW-06S - 11/16/2004 MW-06S_WG_111604 mg/l	MW-06S - 11/15/2005 MW-6S_11152005 mg/l	MW-06S - 11/13/2006 MW-6S_11132006 mg/l	MW-06S - 10/31/2007 MW-6S-103107 mg/l	MW-06S - 11/19/2008 MW-6S-111908 mg/l	MW-6S - 10/21/2009 MW-6S-102109 mg/l
Ethane	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00052 U	0.00052 U	0.00053 U
Ethylene	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00049 U	0.00049 U	0.0005 U
Methane	NS		0.002	0.02	0.012 U	0.005	0.0015	0.041	0.013	0.0042	0.00086	0.0053	0.047
Hydrogen*	NS		---	---	---	---	---	---	---	---		---	---

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-06S - 05/19/2010 MW-6S-051910 mg/l	MW-06S - 1/19/2011 MW-6S-011911 mg/l	MW-06S - 4/20/2011 MW-6S-042011 mg/l	MW-06S - 7/26/2011 MW-6S-072611 mg/l	MW-06S - 10/26/2011 MW-6S-102611 mg/l	MW-6S - 3/20/2012 MW-6S-032012 mg/l	MW-6S - 8/7/2012 MW-6S-080712 mg/l	MW-6S - 12/19/2012 MW-6S-121912 mg/l	MW-6S - 5/21/2013 MW-6S-052113 mg/l	MW-6S - 8/21/2013 MW-6S-082113 mg/l	MW-6S - 12/18/2013 MW-6S-121813 mg/l
Ethane	NS		0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	.000059 J	0.0001 J
Ethylene	NS		0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	.000023 J	.00005 J
Methane	NS		0.0017	0.0032	0.00039 J	0.0012 B	0.015 B	0.0022	0.006	0.0016	0.015	0.014	0.0094
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	0.98	0.64

NOTES:
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-6S - 3/25/2014 MW-6S-032514 mg/l	MW-6S - 6/11/2014 MW-6S-061114 mg/l	MW-6S - 9/23/2014 MW6S092314 mg/L	MW-6S - 4/11/2017 MW6S041117 mg/L	MW-6S - 9/14/2017 MW6S091417 mg/L	MW-6S - 9/20/2018 MW6S092018 mg/L	MW-6S - 3/20/219 MW6S032019 mg/L	MW-06S - 9/25/2019 MW-6S-092519 mg/L
Ethane	NS		0.00012 J	.0000081 J	0.000033 J	0.000088 J	0.000041 J	0.00020 U	0.00032	0.000074 J
Ethylene	NS		0.00038	.0000099 J	0.000067 J	0.00043	0.000061 J	0.000095 J	0.0028	0.000014 J
Methane	NS		0.07	0.0046	0.036	0.042	0.038	0.00096	0.14	0.08
Hydrogen*	NS		0.85	2.4	---	---	---	---	---	---

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-06D - 2/15/2000 MW-06D_WG_021500 mg/l	MW-06D - 8/15/2001 MW-06D_WG_081501 mg/l	MW-06D - 11/29/2001 MW-06D_WG_112901 mg/l	MW-06D - 2/27/2002 MW-06D_WG_022702 mg/l	MW-06D - 5/15/2002 MW-06D_WG_051502 mg/l	MW-06D - 11/16/2004 MW-06D_WG_111604 mg/l	MW-06D - 11/15/2005 MW-6D_11152005 mg/l	MW-06D - 11/13/2006 MW-6D_11132006 mg/l	MW-06D - 10/30/2007 MW 6 D-103007 mg/l	MW-06D - 11/19/2008 MW 6 D-111908 mg/L
Ethane	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00052 U	0.00052 U
Ethylene	NS		0.002 U	0.001 J	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0015	0.0013 U	0.00081	0.00048 J
Methane	NS		0.05	0.03	0.05	0.04	0.027	0.029	0.065	0.015	0.039	0.016
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---

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U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-06D - 10/21/2009 MW-6D-102109 mg/l	MW-06D - 5/19/2010 MW-6D-051910 mg/l	MW-06D - 1/19/2011 MW-6D-011911 mg/l	MW-06D - 4/20/2011 MW-6D-042011 mg/l	MW-06D - 7/26/2011 MW-6D-072611 mg/l	MW-06D - 10/26/2011 MW-6D-102611 mg/l	MW-6D - 3/20/2012 MW-6D-032012 mg/l	MW-6D - 3/20/2012 X-1-032012 mg/l	MW-6D - 8/7/2012 MW-6D-080712 mg/l	MW-6D - 12/19/2012 MW-6D-121912 mg/l
Ethane	NS		0.00052 U	0.00057 U	0.00057 U	0.00061	0.00057 U	0.00057 U	0.00098	0.0015	0.00057 U	0.00057 U
Ethylene	NS		0.00075	0.0004 J	0.0009	0.00053 U	0.00056	0.00067	0.00054 U	0.00054 U	0.00054 U	0.00079
Methane	NS		0.028	0.014	0.03	0.014	0.023 B	0.017 B	0.029	0.047	0.013	0.021
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---

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U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-6D - 5/21/2013 MW-6D-052113 mg/l	X-1 - 5/21/2013 MW-6D-052113 mg/l	MW-6D - 8/21/2013 MW-6D-082113 mg/l	MW-6D - 12/18/2013 MW-6D-121813 mg/l	MW-6D - 3/25/2014 MW-6D-032514 mg/l	MW-6D - 6/10/2014 MW-6D-061014 mg/l	MW-6D - 9/23/2014 MW6D092314 mg/L	MW-6D - 4/11/2017 MW6D041117 mg/L	MW-6D - 9/12/2017 MW6D091217 mg/L	MW-6D - 9/19/2018 MW6D091918 mg/L	MW-6D - 3/20/219 MW6D032019 mg/L	MW-06D - 9/24/2019 MW-6D-092419 mg/L
Ethane	NS		0.0018	0.0018	0.00024	0.00026	0.00017 J	.00011 J	0.00012 J	0.00011 J	0.00013 J	0.00020 J	0.00012 J	0.000012 J
Ethylene	NS		0.0011 U	0.0011U	0.003	0.0037	0.0002 U	.000055 J	0.000046 J	0.000029 J	0.000029 J	0.000088 J	0.000027 J	0.000040 J
Methane	NS		0.06	0.061	0.085	0.1	0.074	0.068	0.098	0.11 B	0.21	0.18	0.22	0.017
Hydrogen*	NS		---	---	1.4	0.91	0.85	0.99	0.74	---	---	---	---	---

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Unit in nM

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-06DD - 11/14/2005 MW-6DD_11142005 mg/l	MW-06DD - 11/15/2006 MW-6DD_11152006 mg/l	MW-06DD - 10/30/2007 MW 6 DD-103007 mg/l	MW-06DD - 11/19/2008 MW 6 DD-111908 mg/l	MW-06DD - 10/21/2009 MW-6DD-102109 mg/l	MW-06DD - 05/19/2010 MW-6DD-051910 mg/l	MW-06DD - 1/19/2011 MW-6DD-011911 mg/l	MW-06DD - 4/20/2011 MW-6DD-042011 mg/l	MW-06DD - 7/26/2011 MW-6DD-072611 mg/l	MW-06DD - 10/26/2011 MW-6DD-102611 mg/l	MW-6DD - 3/20/2012 MW-6DD-032012 mg/l
Ethane	NS		0.013 U	0.026 U	0.00053 U	0.0026 U	0.00053 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.0028 U	0.00057 U
Ethylene	NS		0.013 U	0.026 U	0.0005	0.0025 U	0.0005 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.0027 U	0.00054 U
Methane	NS		0.38	0.24	0.14	0.16	0.056	0.025	0.06	0.00061 U	0.06 B	0.071 B	0.045
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

NOTES:
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-6DD - 8/7/2012 MW-6DD-080712 mg/l	MW-6DD - 12/19/2012 MW-6DD-121912 mg/l	MW-6DD - 5/21/2013 MW-6DD-052113 mg/l	MW-6DD - 8/21/2013 MW-6DD-082113 mg/l	MW-6DD - 12/18/2013 MW-6DD-121813 mg/l	MW-6DD - 3/25/2014 MW-6DD-032514 mg/l	MW-6DD - 6/10/2014 MW-6DD-061014 mg/l	MW-6DD - 9/23/2014 MW6DD092314 mg/L	MW-6DD - 4/11/2017 MW6DD041117 mg/L	MW-6DD - 9/12/2017 MW6DD091217 mg/L	MW-6DD - 9/19/2018 MW6DD091918 mg/L	MW-6DD - 3/20/2019 MW6DD032019 mg/L	MW-6DD - 9/24/2019 MW-6DD-092419 mg/L
Ethane	NS		0.00057 U	0.0028 U	0.0057 U	0.00025	0.00039	0.000092 J	.00024	0.00018 J	0.000041 J	0.00022	0.00022	0.00011 J	0.000021
Ethylene	NS		0.00062	0.0027 U	0.0054 U	0.00055	0.0011	0.00017 J	.00071	0.00034	0.000016 J	0.00028	0.00026	0.000091 J	0.000034
Methane	NS		0.07	0.15	0.09	0.19	0.35	0.031	0.14	0.099	0.0026 B	0.19	0.12	0.024	0.13
Hydrogen*	NS		---	---	---	0.93	0.97	0.7	1.1	0.92	---	---	---	---	---

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-07S - 2/18/2000 MW-07S_WG_021800 mg/l	MW-07S - 8/16/2001 MW-07S_WG_081601 mg/l	MW-07S - 11/28/2001 MW-07S_WG_112801 mg/l	MW-07S - 2/25/2002 MW-07S_WG_022502 mg/l	MW-07S - 5/16/2002 MW-07S_WG_051602 mg/l	MW-07S - 11/15/2004 MW-07S_WG_111504 mg/l	MW-07S - 11/16/2005 MW-7S_11162005 mg/l	MW-07S - 11/15/2006 MW-7S_11152006 mg/l	MW-07S - 10/31/2007 MW 7-S-103107 mg/l	MW-07S - 11/20/2008 MW 7-S-112008 mg/l	MW-07S - 10/20/2009 MW-7S-102009 mg/l
Ethane	NS		0.02 U	0.02 UJ	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00053 U	0.00052 U	0.00052 U
Ethylene	NS		0.02 U	0.02 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.0005 U	0.00049 U	0.00049 U
Methane	NS		0.4	0.6	0.012 U	0.002 U	0.0007 U	0.002 U	0.00070 U	0.0015	0.00059	0.0026	0.0029
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-07S - 05/17/2010 MW-7S-051710 mg/l	MW-07S - 1/18/2011 MW-7S-011811 mg/l	MW-07S - 4/19/2011 MW-7S-041911 mg/l	MW-07S - 7/27/2011 MW-7S-072711 mg/l	MW-07S - 10/26/2011 MW-7S-102611 mg/l	MW-07S - 3/21/2012 MW-7S-032112 mg/l	MW-7S - 8/8/2012 MW-7S-080812 mg/l	MW-7S - 12/18/2012 MW-7S-121812 mg/l	MW-7S - 5/23/2013 MW-7S-052313 mg/l	MW-7S - 8/20/2013 MW-7S-082013 mg/l	MW-7S - 12/17/2013 MW-7S-121713 mg/l
Ethane	NS		0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00056 U	0.0002 U	.000044 J
Ethylene	NS		0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00053 U	0.0002 U	0.0002 U
Methane	NS		0.00061 U	0.013	0.00061 U	0.24	0.00057 J	0.00084	0.011	0.00061 U	0.02	0.034	0.69
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	1.2	0.54 J

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Data have note been validated
--- Not Analized
* - Units in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-7S - 3/26/2014 MW-7S-032614 mg/l	MW-7S - 6/11/2014 MW-7S-061114 mg/l	MW-7S - 9/24/2014 MW7S092414 mg/L	MW-7S - 4/12/2017 MW7S041217 mg/L	MW-7S - 9/13/2017 MW7S091317 mg/L	MW-7S - 9/18/2018 MW7S091818 mg/L	MW-7S - 3/19/2019 MW7S031919 mg/L	MW-7S - 3/19/2019 X-1-031919 mg/L	MW-07S - 9/24/2019 MW-7S-092419 mg/L
Ethane	NS		0.0002 U	.0002	0.0000089 J	0.0002 U	0.0002 U	0.00020 U	0.000014 J	0.00020 U	0.0000060 U
Ethylene	NS		0.0002 U	.000015 J	0.000011 J	0.0002 U	0.0002 U	0.0000071 J	0.00020 U	0.00020 U	0.00012 U
Methane	NS		0.0071	0.0033	0.19	0.00013 JB	0.021	0.17	0.00014 J	0.00013 J	0.56
Hydrogen*	NS		0.69	2.1	1.2	---	---	---	---	---	---

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Data have note been validated
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-07D - 2/18/2000 MW-07D_WG_021800 mg/l	MW-07D - 8/16/2001 MW-07D_WG_081601 mg/l	MW-07D - 11/28/2001 MW-07D_WG_112801 mg/l	MW-07D - 2/25/2002 MW-07D_WG_022502 mg/l	MW-07D - 5/16/2002 MW-07D_WG_051602 mg/l	MW-07D - 11/15/2004 MW-07D_WG_111504 mg/l	MW-07D - 11/16/2005 MW-7D_11162005 mg/l	MW-07D - 11/15/2006 MW-7D_11152006 mg/l	MW-07D - 10/31/2007 MW 7-D-103107 mg/l	MW-07D - 11/20/2008 MW 7-D-112008 mg/l	MW-07D - 10/20/2009 MW-7D-102009 mg/l
Ethane	NS		0.02 U	0.02 U	0.01 U	0.02 U	0.0052 U	0.0044 U	0.13 U	0.13 U	0.00052 U	0.00052 U	0.00052 U
Ethylene	NS		0.02 U	0.0036 J	0.01 U	0.02 U	0.0052 U	0.0044 U	0.13 U	0.13 U	0.00049 U	0.00049 U	0.00049 U
Methane	NS		0.1	0.1	0.08	0.1	0.11	0.13	0.21	0.13	0.04	0.014	0.014
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-07D - 05/17/2010 MW-7D-051710 mg/l	MW-07D - 1/18/2011 MW-7D-011811 mg/l	MW-07D - 4/19/2011 MW-7D-041911 mg/l	MW-07D - 7/27/2011 MW-7D-072711 mg/l	MW-07D - 10/25/2011 MW-7D-102511 mg/l	MW-07D - 10/25/2011 MW-7D-102511 mg/l	MW-7D - 3/21/2012 MW-7D-032112 mg/l	MW-7D - 8/8/2012 MW-7D-080812 mg/l	MW-7D - 12/18/2012 MW-7D-121812 mg/l	MW-7D - 5/23/2013 MW-7D-052313 mg/l	MW-7D - 8/20/2013 MW-7D-082013 mg/l
Ethane	NS		0.00056 U	0.00057 U 0.0011 U	0.00057 U 0.0011 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.0011 U	0.00057 U	0.028 U	0.0002 U
Ethylene	NS		0.00053 U	0.00054 U 0.0011 U	0.00054 U 0.0011 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.0011 U	0.00054 U	0.027 U	0.0002 U
Methane	NS		0.0057	0.002 0.063	0.00061 U 0.063	0.054 B	0.00046 J	0.00061 U	0.0082	0.14	0.00061 U	0.34	0.48
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	1

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Data have note been validated
--- Not Analized
* - Units in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-7D - 12/17/2013 MW-7D-121713 mg/l	MW-7D - 3/26/2014 MW-7D-032614 mg/l	MW-7D - 6/11/2014 MW-7D-061114 mg/l	MW-7D - 9/24/2014 MW7D092414 mg/L	MW-7D - 4/12/0217 MW7D041217 mg/L	MW-7D - 9/13/2017 MW7D091317 mg/L	MW-7D - 9/18/2018 MW7D091818 mg/L	MW-7D - 3/19/2019 MW7D031919 mg/L	MW-07D - 9/24/2019 MW-7D-092419 mg/L
Ethane	NS		0.0002 U	0.000018 U	.0002 U	0.000063 J	0.0002 U	0.0002 U	0.00020 U	0.00020 U	0.0000060 U
Ethylene	NS		0.0002 U	0.000019 U	.0002 U	0.000031 J	0.0002 U	0.0002 U	0.000013 J	0.00020 U	0.000012 U
Methane	NS		0.048	0.000019 U	.00057	0.83	0.000077 JB	0.00053	0.18	0.00011 J	0.0024
Hydrogen*	NS		0.49 J	1.9	1.5	1.4	---	---	---	---	---

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-07DD - 11/16/2005 MW-7DD_11162005 mg/l	MW-07DD - 11/15/2006 MW-7DD(2)_1115200(mg/l	MW-07DD - 10/31/2007 MW 7-DD 2-103107 mg/l	MW-07DD - 11/20/2008 MW 7-DD 2-112008 mg/l	MW-07DD - 10/20/2009 MW-7DD-102009 mg/l	MW-07DD - 05/17/2010 MW-7DD-051710 mg/l	MW-07DD - 1/18/2011 MW-7DD-011811 mg/l	MW-07DD - 4/19/2011 MW-7DD-041911 mg/l	MW-07DD - 7/27/2011 MW-7DD(2)-072711 mg/l	MW-07DD - 10/26/2011 MW-7DD-102611 mg/l	MW-7DD - 3/21/2012 MW-7DD-032112 mg/l
Ethane	NS		0.075 J	0.027 U	0.00053 U	0.010 U	0.0028	0.057 U	0.029 U	0.00057 U	0.00057	0.00057 U	0.0073
Ethylene	NS		0.13 U	0.027 U	0.0005 U	0.0098 U	0.0005 U	0.054 U	0.00054	0.00054 U	0.00054	0.00054 U	0.0025
Methane	NS		0.53	0.41	0.15	0.021	0.13	0.42	0.12	0.012	0.17	0.038 B	0.59
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

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Data have note been validated
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-7DD - 8/8/2012 MW-7DD-080812 mg/l	MW-7DD - 12/18/2012 MW-7DD-121812 mg/l	X-1 - 12/18/2012 MW-7DD-121812 mg/l	MW-7DD - 5/23/2013 MW-7DD-052313 mg/l	MW-7DD - 8/20/2013 MW-7DD-082013 mg/l	MW-7DD - 12/17/2013 MW-7DD-121713 mg/l	MW-7DD - 3/26/2014 MW-7DD-032614 mg/l	MW-7DD - 6/11/2014 MW-7DD-061114 mg/l	MW-7DD - 9/24/2014 MW7DD092414 mg/L	MW-7DD - 4/12/2017 MW7DD041217 mg/L	MW-7DD - 9/13/2017 MW7DD091317 mg/L	MW-7DD - 9/13/2017 MW7DD091317 mg/L	MW-7DD - 3/19/2019 MW7DD031919 mg/L	MW-7DD - 9/24/2019 MW-7DD-092419 mg/L
Ethane	NS		0.011 U	0.057 U	0.056 U	0.028 U	0.0092	0.021	0.014	0.0036	0.013	0.000072 J	0.0057	0.0054	0.0051	0.04
Ethylene	NS		0.011 U	0.054 U	0.054 U	0.027 U	0.0002 U	0.0002 U	0.000019 U	.0002 U	0.000017 J	0.0002 U	0.0002 U	0.00020 U	0.00020 U	0.00012 U
Methane	NS		0.55	0.53	0.28	0.63	1.4	0.93	1.4	0.67	1	0.08 B	0.21	0.91	0.39	0.016
Hydrogen*	NS		---	---	---	---	0.69	0.46 J	0.68	1.7	0.83	---	---	---	---	---

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-08S - 2/18/2000 MW-08S_WG_021800 mg/l	MW-08S - 8/16/2001 MW-08S_WG_081601 mg/l	MW-08S - 11/28/2001 MW-08S_WG_112801 mg/l	MW-08S - 2/25/2002 MW-08S_WG_022502 mg/l	MW-08S - 5/16/2002 MW-08S_WG_051602 mg/l	MW-08S - 11/16/2004 MW-08S_WG_111604 mg/l	MW-08S - 11/16/2005 MW-8S_11162005 mg/l	MW-08S - 11/15/2006 MW-8S_11152006 mg/l	MW-08S - 11/1/2007 MW8-S-110107 mg/l	MW-08S - 11/18/2008 MW8-S-111808 mg/l	MW-8S - 10/20/2009 MW-8S-102009 mg/l
Ethane	NS		0.02 U	0.02 UJ	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00053 U	0.00053 U	0.00053 U
Ethylene	NS		0.02 U	0.02 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.0005 U	0.00051 U	0.0005 U
Methane	NS		0.04	0.2	0.012	0.02	0.013	0.002 U	0.00070 U	0.00071 U	0.00038 J	0.00053 J	0.00048 J
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

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Data have note been validated
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-08S - 05/18/2010 MW-8S-051810 mg/l	MW-08S - 1/18/2011 MW-8S-011811 mg/l	MW-08S - 4/19/2011 MW-8S-041911 mg/l	MW-08S - 7/27/2011 MW-8S-072711 mg/l	MW-08S - 10/25/2011 MW-8S-102511 mg/l	MW-8S - 3/21/2012 MW-8S-032112 mg/l	MW-8S - 8/8/2012 MW-8S-080812 mg/l	MW-8S - 12/18/2012 MW-8S-121812 mg/l	MW-8S - 5/22/2013 MW-8S-052213 mg/l	MW-8S - 8/20/2013 MW-8S-082013 mg/l	X-1 - 8/20/2013 MW-8S-082013 mg/l
Ethane	NS		0.00057 U	0.00056 U	0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00055 U	.000031 J	.000033 J
Ethylene	NS		0.00054 U	0.00053 U	0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00053 U	.000033 J	.000035 J
Methane	NS		0.00031 J	0.0032	0.00042 J	0.0013 B	0.00038 J	0.0013	0.00083	0.00061 U	0.018	0.0095	0.011
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	1.4	---

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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-8S - 12/17/2013 MW-8S-121713 mg/l	MW-8S - 3/26/2014 MW-8S-032614 mg/l	MW-8S - 6/11/2014 MW-8S-061114 mg/l	MW-8S - 9/24/2014 MW8S092414 mg/L	MW-8S - 4/12/2017 MW8S041217 mg/L	MW-8S - 9/13/2017 MW8S091317 mg/L	MW-8S - 9/18/2018 MW8S091818 mg/L	MW-8S - 3/19/2019 MW8S031919 mg/L	MW-08S - 9/24/2019 MW-8S-092419 mg/ L
Ethane	NS		0.0002 U	0.000018 U	.0000061 J	0.000012 J	0.0002 U	0.0002 U	0.00020 U	0.00020 U	0.00010 J
Ethylene	NS		0.0002 U	0.000019 U	.0002 U	0.00002 J	0.0002 U	0.0002 U	0.000010 J	0.00020 U	0.00013 J
Methane	NS		0.0033	0.00028	0.00057	0.0017	0.00028 JB	0.0025	0.0018	0.00013 J	0.0016
Hydrogen*	NS		0.66	0.76	1.9	0.87	---	---	---	---	---

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Units in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-08D - 2/18/2000 MW-08D_WG_021800 mg/l	MW-08D - 8/16/2001 MW-08D_WG_081601 mg/l	MW-08D - 11/28/2001 MW-08D_WG_112801 mg/l	MW-08D - 2/25/2002 MW-08D_WG_022502 mg/l	MW-08D - 5/16/2002 MW-08D_WG_051602 mg/l	MW-08D - 11/16/2004 MW-08D_WG_111604 mg/l	MW-08D - 11/16/2005 MW-8D_11162005 mg/l	MW-08D - 11/15/2006 MW-8D_11152006 mg/l	MW-08D - 11/1/2007 MW8-D-110107 mg/l	MW-08D - 11/18/2008 MW8-D-111808 mg/L	MW-08D - 10/20/2009 MW-8D-102009 mg/l
Ethane	NS		0.02 U	0.01 U	0.002 U	0.02 U	0.0052 U	0.0022 U	0.026 U	0.0013 U	0.00053 U	0.0015	0.00052 U
Ethylene	NS		0.02 U	0.0009 J	0.002 U	0.02 U	0.0052 U	0.0022 U	0.026 U	0.0013 U	0.0005 U	0.0017	0.00049 U
Methane	NS		0.1	0.11	0.06	0.1	0.068	0.029	0.13	0.017	0.054	0.055	0.041
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
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* - Unit in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-08D - 5/18/2010 MW-8D-051810 mg/l	MW-08D - 1/19/2011 MW-8D-011911 mg/l	MW-08D - 4/19/2011 MW-8D-041911 mg/l	MW-08D - 7/27/2011 MW-8D-072711 mg/l	MW-08D - 10/25/2011 MW-8D-102511 mg/l	MW-8D - 3/21/2012 MW-8D-032112 mg/l	MW-8D - 8/8/2012 MW-8D-080812 mg/l	MW-8D - 12/18/2012 MW-8D-121812 mg/l	MW-8D - 5/22/2013 MW-8D-052213 mg/l	MW-8D - 8/20/2013 MW-8D-082013 mg/l	MW-8D - 12/17/2013 MW-8D-121713 mg/l
Ethane	NS		0.00057 U	0.00057 U 0.0028 U	0.00057 U 0.0028 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.0028 U	0.0028 U	0.00023	0.00021
Ethylene	NS		0.00054 U	0.00054 U 0.0027 U	0.00054 U 0.0027 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.0027 U	0.0027 U	0.00016 J	0.00011 J
Methane	NS		0.014	0.1	0.031	0.039 B	0.045 B	0.046	0.064	0.16	0.11	0.18	0.37
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	1.3	0.6

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Data have note been validated
--- Not Analized
* - Units in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-8D - 3/26/2014 MW-8D-032614 mg/l	X-1 - 3/26/2014 MW-8D-032614 mg/l	MW-8D - 6/11/2014 MW-8D-061114 mg/l	MW-8D - 9/24/2014 MW8D092414 mg/L	X-1 - 9/24/2014 MW8D092414 mg/L	MW-8D - 4/13/2017 MW8D041317 mg/L	MW-8D - 9/13/2017 MW8D091317 mg/L	MW-8D - 9/18/2018 MW8D091819 mg/L	MW-8D - 3/19/2019 MW8D031919 mg/L	MW-08D - 9/24/2019 MW-8D-092419 mg/L
Ethane	NS		0.0002	0.00022	0.00033	0.00033	0.00036	0.00024	0.00026	0.00019 J	0.00016 J	0.02
Ethylene	NS		0.00018 J	0.000055 J	.00014 J	0.00012 J	0.00012 J	0.000032 J	0.0002 U	0.000024 J	0.000017 J	0.00019 J
Methane	NS		0.51	0.48	0.13	0.092	0.1	0.49 d,B	0.17	0.26	0.26	0.26
Hydrogen*	NS		0.73	---	2	0.8	---	---	---	---	---	---

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Units in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-08DD - 11/16/2005 MW-8DD_11162005 mg/l	MW-08DD - 11/15/2006 MW-8DD_11152006 mg/l	MW-08DD - 11/1/2007 MW-8DD-110107 mg/l	MW-08DD - 11/18/2008 MW-8DD-111808 mg/l	MW-08DD - 10/20/2009 MW-8DD-102009 mg/l	MW-08DD - 05/18/2010 MW-8DD-051810 mg/l	MW-8DD - 1/18/2011 MW-8DD-011811 mg/l	MW-8DD - 4/19/2011 MW-8DD-041911 mg/l	MW-08DD - 7/27/2011 MW-8DD-072711 mg/l
Ethane	NS		0.014 J	0.0027 U	0.00053 U	0.001 U	0.0043	0.0013	0.00057 U	0.00057 U	0.00029 J
Ethylene	NS		0.026 U	0.0027 U	0.0005 U	0.00098 U	0.0005 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U
Methane	NS		0.25	0.086	0.13	0.067	0.054	0.053	0.031	0.00061 U	0.027 B
Hydrogen*	NS		---	---	---	---	---	---	---	---	---

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Units in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-08DD - 10/25/2011 MW-8DD-102511 mg/l	MW-8DD - 3/21/2012 MW-8DD-032112 mg/l	MW-8DD - 8/8/2012 MW-8DD-080812 mg/l	MW-8DD - 12/18/2012 MW-8DD-121812 mg/l	MW-8DD - 5/22/2013 MW-8DD-052213 mg/l	MW-8DD - 8/20/2013 MW-8DD-082013 mg/l	MW-8DD - 12/17/2013 MW-8DD-082013 mg/l	MW-8DD - 3/26/2014 MW-8DD-032614 mg/l	MW-8DD - 6/11/2014 MW-8DD-061114 mg/l	MW-8DD - 9/24/2014 MW8DD092414 mg/L	MW-8DD - 4/13/2017 MW8DD041317 mg/L
Ethane	NS		0.00057 U	0.00057 U	0.00057 U	0.0028 U	0.0028 U	0.00093	0.0021	0.00088	0.0012	0.0024	0.00013 J
Ethylene	NS		0.00054 U	0.00054 U	0.00054 U	0.0027 U	0.0027 U	2.5E-05 J	0.0002 U	0.000025 J	.000018 J	0.000032 J	0.000014 J
Methane	NS		0.017 B	0.015	0.033	0.091	0.071	0.026	0.1	0.05	0.061	0.07	0.36d,B
Hydrogen*	NS		---	---	---	---	---	0.73	1.2	0.61	1.7	1.1	---

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Data have note been validated
--- Not Analized
* - Units in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-8DD - 9/13/2017 MW8DD091317 mg/L	MW-8DD - 9/18/2018 MW8DD091818 mg/L	MW-8DD - 3/19/2019 MW8DD031919 mg/L	MW-08DD - 9/24/2019 MW-8DD-092419 mg/L
Ethane	NS		0.0019	0.0016	0.00019 J	0.0016 J
Ethylene	NS		0.0002 U	0.000013 J	0.000018 J	0.000032 J
Methane	NS		0.36	0.18	0.18	0.14
Hydrogen*	NS		---	---	---	---

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Data have note been validated
--- Not Analized
* - Units in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-10S - 2/15/2000 MW-10S_WG_021500 mg/l	MW-10S - 8/14/2001 MW-10S_WG_081401 mg/l	MW-10S - 11/29/2001 MW-10S_WG_112901 mg/l	MW-10S - 2/27/2002 MW-10S_WG_022702 mg/l	MW-10S - 5/15/2002 MW-10S_WG_051502 mg/l	MW-10S - 11/17/2004 MW-10S_WG_111704 mg/l	MW-10S - 11/14/2005 MW-10S_11142005 mg/l	MW-10S - 11/14/2006 MW-10S_11142006 mg/l	MW-10S - 10/30/2007 MW 10 S-103007 mg/l	MW-10S - 11/19/2008 MW 10 S-111908 mg/l	MW-10S - 10/22/2009 MW-10S-102209 mg/l
Ethane	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00053 U	0.00052 U	0.00053 U
Ethylene	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.0005 U	0.00049 U	0.0005 U
Methane	NS		0.001	0.003 J	0.012 U	0.002 U	0.0007 U	0.023	0.0085	0.0036	0.011	0.0036	0.0048
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-10S - 05/18/2010 MW-10S-051810 mg/l	MW-10S - 1/20/2011 MW-10S-012011 mg/l	MW-10S - 4/20/2011 MW-10S-042011 mg/l	MW-10S - 7/26/2011 MW-10S-072611 mg/l	MW-10S - 10/27/2011 MW-10S-102711 mg/l	MW-10S - 3/20/2012 MW-10S-032012 mg/l	MW-10S - 8/7/2012 MW-10S-080712 mg/l	MW-10S - 12/19/2012 MW-10S-121912 mg/l	MW-10S - 5/21/2013 MW-10S-052113 mg/l	MW-10S - 8/22/2013 MW-10S-082213 mg/l	MW-10S - 12/18/2013 MW-10S-121813 mg/l
Ethane	NS		0.00057 U	0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00056 U	.000027 J	.000032 J
Ethylene	NS		0.00054 U	0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00053 U	0.0002 U	0.0002 U
Methane	NS		0.0009	0.0016	0.00066	0.0034 B	0.0055 B	0.00055 J	0.0067	0.0024	0.0026	0.0096	0.014
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	0.71	0.69

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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-10S - 3/25/2014 MW-10S-032514 mg/l	MW-10S-061013 - 6/10/2014 MW-10S-061014 mg/l	MW-10S - 9/23/2014 MW10S092314 mg/L	MW-10S - 4/11/2017 MW10S041117 mg/L	MW-10S - 9/12/2017 MW10S091217 mg/L	MW-10S - 9/19/2018 MW10S091918 mg/L	X-1 - 9/19/2018 MW10S091918 mg/L	MW-10S - 3/20/2019 MW10S031919 mg/L	MW-10S - 9/25/2019 MW-10S-092519 mg/L
Ethane	NS		0.000095 J	.000097 J	0.000093 J	0.000048 J	0.00013 J	0.000072 J	0.000067 J	0.000098 J	0.000078 J
Ethylene	NS		0.000019 U	0.0000097	0.000074 J	0.0002 U	0.00014 J	0.000082 J	0.000076 J	0.0002 U	0.000085 J
Methane	NS		0.032	0.041	0.025	0.031 B	0.034	0.028	0.029	0.074	0.032
Hydrogen*	NS		0.73	1.2	0.95	---	---	---	---	---	---

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-10D - 2/15/2000 MW-10D_WG_021500 mg/l	MW-10D - 8/14/2001 MW-10D_WG_081401 mg/l	MW-10D - 11/29/2001 MW-10D_WG_112901 mg/l	MW-10D - 2/27/2002 MW-10D_WG_022702 mg/l	MW-10D - 5/15/2002 MW-10D_WG_051502 mg/l	MW-10D - 11/17/2004 MW-10D_WG_111704 mg/l	MW-10D - 11/14/2005 MW-10D_11142005 mg/l	MW-10D - 11/14/2006 MW-10D_11142006 mg/l	MW-10D - 10/30/2007 MW 10 D-103007 mg/l	MW-10D - 11/19/2008 MW 10 D-111908 mg/l
Ethane	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00052 U	0.00052 U
Ethylene	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00049 U	0.00049 U
Methane	NS		0.006	0.03	0.03	0.007	0.015	0.026	0.022	0.012	0.0039	0.0045
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-10D - 10/22/2009 MW-10D-102209 mg/l	MW-10D - 05/18/2010 MW-10D-051810 mg/l	MW-10D - 1/20/2011 MW-10D-012011 mg/l	MW-10D - 4/20/2011 MW-10D-045011 mg/l	MW-10D - 7/26/2011 MW-10D-072611 mg/l	MW-10D - 7/26/2011 X1-072611 mg/l	MW-10D - 10/27/2011 MW-10D-102711 mg/l	MW-10D - 3/20/2012 MW-10D-032012 mg/l	MW-10D - 8/7/2012 MW-10D-080712 mg/l	MW-10D - 12/19/2012 MW-10D-121912 mg/l
Ethane	NS		0.00053 U	0.00057 U	0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U
Ethylene	NS		0.0005 U	0.00054 U	0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U
Methane	NS		0.0068	0.0082	0.012	0.0058	0.0053 B	0.011 B	0.0054 B	0.0042	0.014	0.032
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-10D - 5/21/2013 MW-10D-052113 mg/l	MW-10D - 8/22/2013 MW-10D-082213 mg/l	MW-10D - 12/18/2013 MW-10D-121813 mg/l	X-1-121813 - 12/18/2013 MW-10D-121813 mg/l	MW-10D - 3/25/2014 MW-10D-032514 mg/l	MW-10D - 6/10/2014 MW-10D-061014 mg/l	MW-10D - 9/23/2014 MW10D092314 mg/L	MW-10D - 4/12/2017 MW10D041217 mg/L
Ethane	NS		0.00056 U	.000076 J	.000073 J	.000063 J	0.000098 J	.00010 J	0.000094 J	0.000062 J
Ethylene	NS		0.00053 U	0.0002 U	.000043 J	0.0002 U	0.000019 U	.000014 J	0.0000095 J	0.0000073 J
Methane	NS		0.022	0.057	0.04	0.033	0.051	0.042	0.029	0.11 B
Hydrogen*	NS		---	0.98	0.62	---	1.3	1.7	0.96	---

NOTES:
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Data have note been validated
--- Not Analized
* - Units in nM

Table 6
Groundwater Data - Dissolved Gases
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID	MW-10D - 9/12/2017 MW10D091217 mg/L	MW-10D - 9/19/2018 MW10D091918 mg/L	MW-10D - 3/20/219 MW10D032019 mg/L	MW-10D - 9/25/2019 MW-10D-092519 mg/L
Ethane	NS		0.00044	0.000094 J	0.000077 J	0.00007 J
Ethylene	NS		0.0002 U	0.00020 U	0.000015 J	0.000012 U
Methane	NS		0.18	0.084	0.07	0.07
Hydrogen*	NS		---	---	---	---

NOTES:
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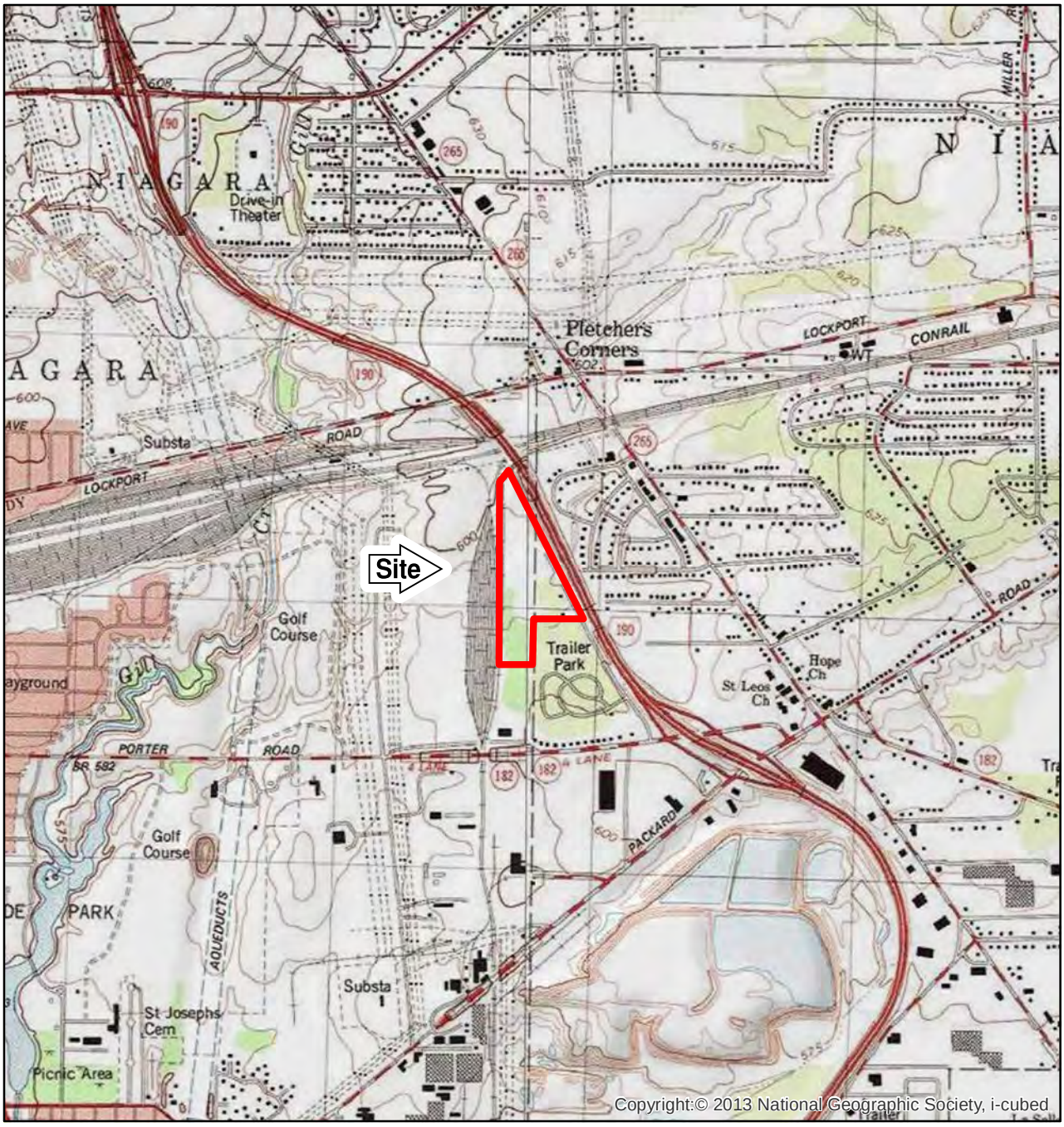
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Units in nM

FIGURES



ADAPTED FROM: TONAWANDA WEST, RANSOMVILLE, NIAGARA FALLS, & LEWISTON USGS QUADRANGLES

MAP LOCATION

FOREST GLEN SUPERFUND SITE NIAGARA COUNTY, NEW YORK

SITE LOCATION

N

0 1,000 2,000 4,000

Feet

1:24,000

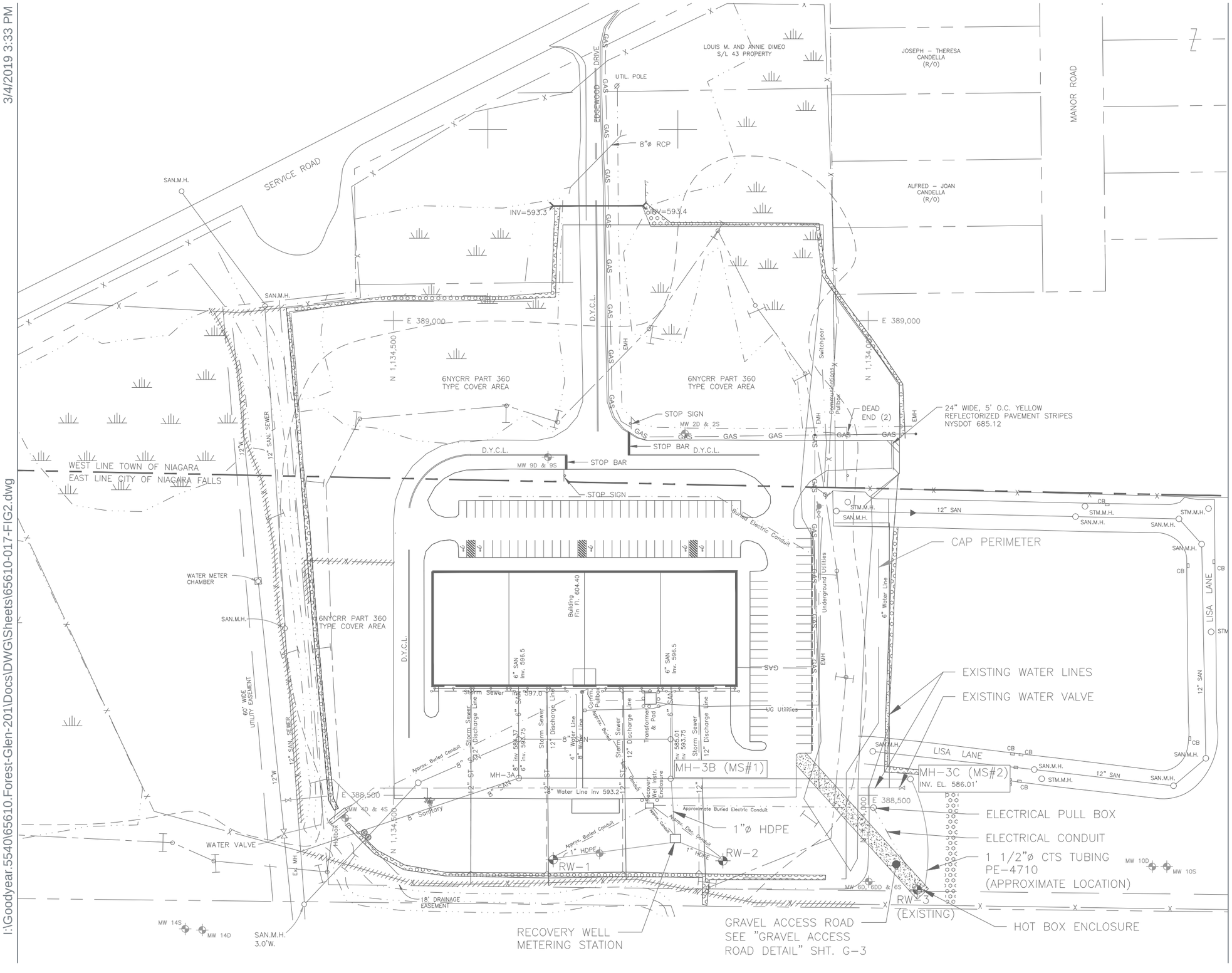
5540.50998
MARCH 2019

O'BRIEN & GERE ENGINEERS, INC.

FIGURE NO. 2

3/4/2019 3:33 PM

I:\Goodyear.5540\65610.Forest-Glen-201\Docs\DWG\Sheets\65610-017-FIG2.dwg



N

LEGEND:

- EXISTING FENCE
- UNDERGROUND UTILITY SERVICE
- UNDERGROUND GAS
- EXISTING SANITARY SEWER
- WATER SERVICE
- PROPERTY LINE
- LIMITS OF EASEMENT
- EXISTING MONITORING WELL (MW 5D & 5S)
- EXISTING WETLAND (FORMER WITHIN CAP LIMITS)
- RECOVERY WELL

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SITE PLAN

1"=100' 100 0 100

FILE NO. 5540.65610-017
MARCH 2019

O'BRIEN & GERE ENGINEERS, INC.

N

LEGEND

- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- APPROXIMATE RECOVERY WELL LOCATION
- ENGINEERED CAP LIMITS

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SITE OVERVIEW

300 0 300
1"=300'

FILE NO. 5540.65610-014
NOVEBER 2018

O'BRIEN & GERE ENGINEERS, INC.

11/14/2018 2:45 PM

I:\Goodyear.5540\65610.Forest-Glen-201\Docs\DWG\Sheets\65610-014-FIG1.dwg

NOTE:

MONITORING WELLS MW-3S, MW-3D, MW-3C, AND MW-3P WERE ABANDONED IN 2002 AND ARE NOT SHOWN ON THIS FIGURE.

MW-1S (582.80)
MW-1D
MW-9S (579.56)
MW-2S (578.71)
MW-2D
MW-9D
TOWN OF NIAGARA
CITY OF NIAGARA FALLS
MW-11V
MW-11S (587.26)
MW-11D
MW-15D
MW-15S (584.18)
MW-4S (578.92)
MW-4D
RW-1 (577.92)
MW-5D
RW-2 (577.73)
MW-10S (578.86)
MW-10D
MW-6S (576.51)
MW-6D
RW-3 (574.90)
MW-6DD
MW-5S (577.73)
MW-12V
MW-12D
EARTHEN BERM
MW-12S (583.67)
MW-13S (582.74)
MW-13D
MW-14S (578.40)
MW-14D
MW-7DD(1)
MW-7D
MW-7DD(2)
MW-8D
MW-8DD
MW-7S (578.37)
MW-8S (581.86)

584 585 586 587 583 582 581 580 579 578 577 576

N

LEGEND

- SWAMP/WETLANDS
- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- APPROXIMATE RECOVERY WELL LOCATION
- ENGINEERED CAP LIMITS
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (576.32) GROUND WATER ELEVATION

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SHALLOW BEDROCK GROUND WATER ELEVATION CONTOURS (3/18/19)

1"=200'

200 0 200

FILE NO. 5540.70165-001
APRIL 2019

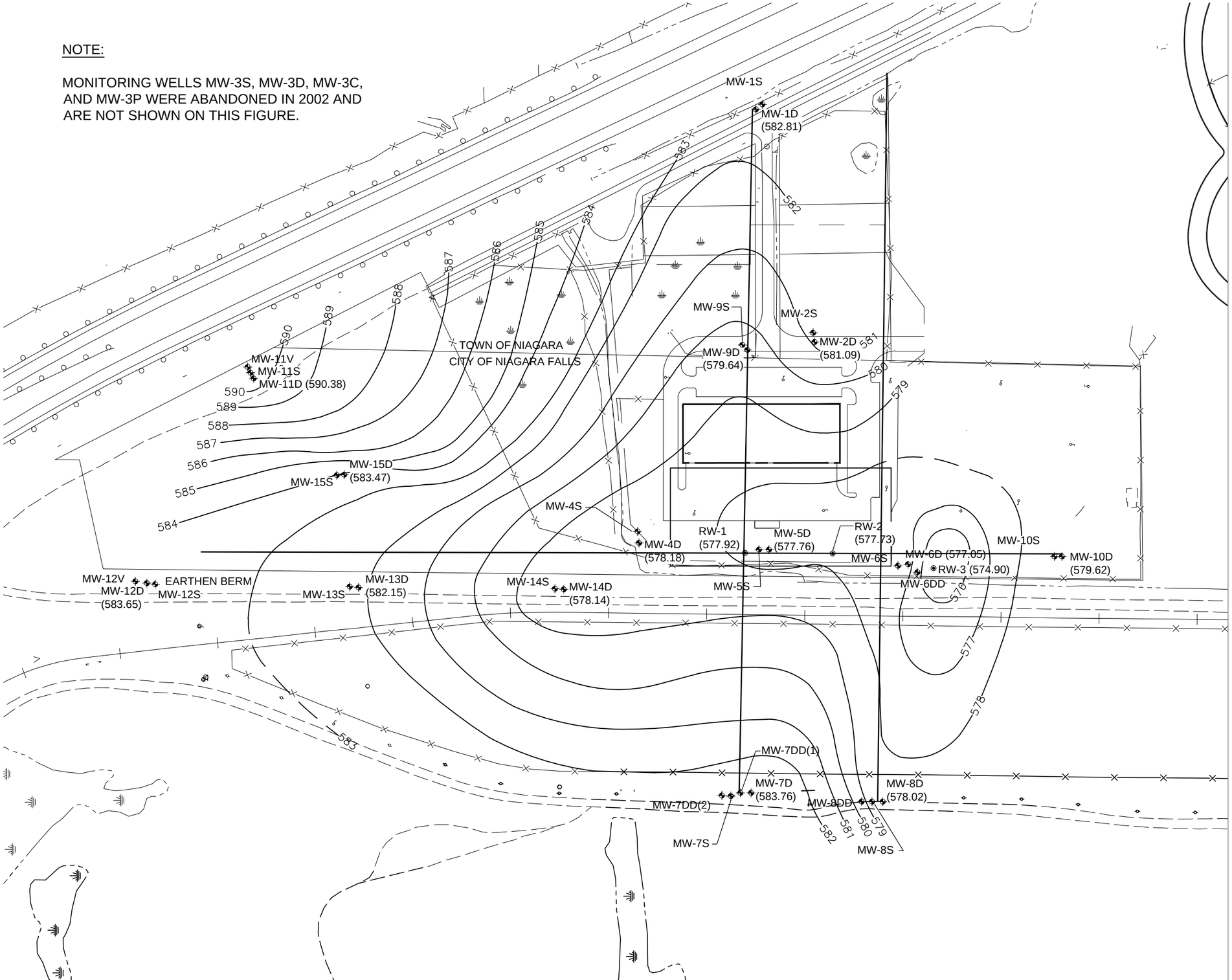
O'BRIEN & GERE ENGINEERS, INC.

5/1/2019 4:20 PM

I:\Goodyear.5540\70165.Forest-Glen-201\Docs\DWG\Sheets\70165-001-FIG1.dwg

NOTE:

MONITORING WELLS MW-3S, MW-3D, MW-3C, AND MW-3P WERE ABANDONED IN 2002 AND ARE NOT SHOWN ON THIS FIGURE.



LEGEND

- SWAMP/WETLANDS
- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- EXISTING RECOVERY WELL LOCATION
- ENGINEERED CAP LIMITS
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (576.32) GROUND WATER ELEVATION

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

DEEP BEDROCK GROUND WATER ELEVATION CONTOURS (3/18/19)

1"=200'

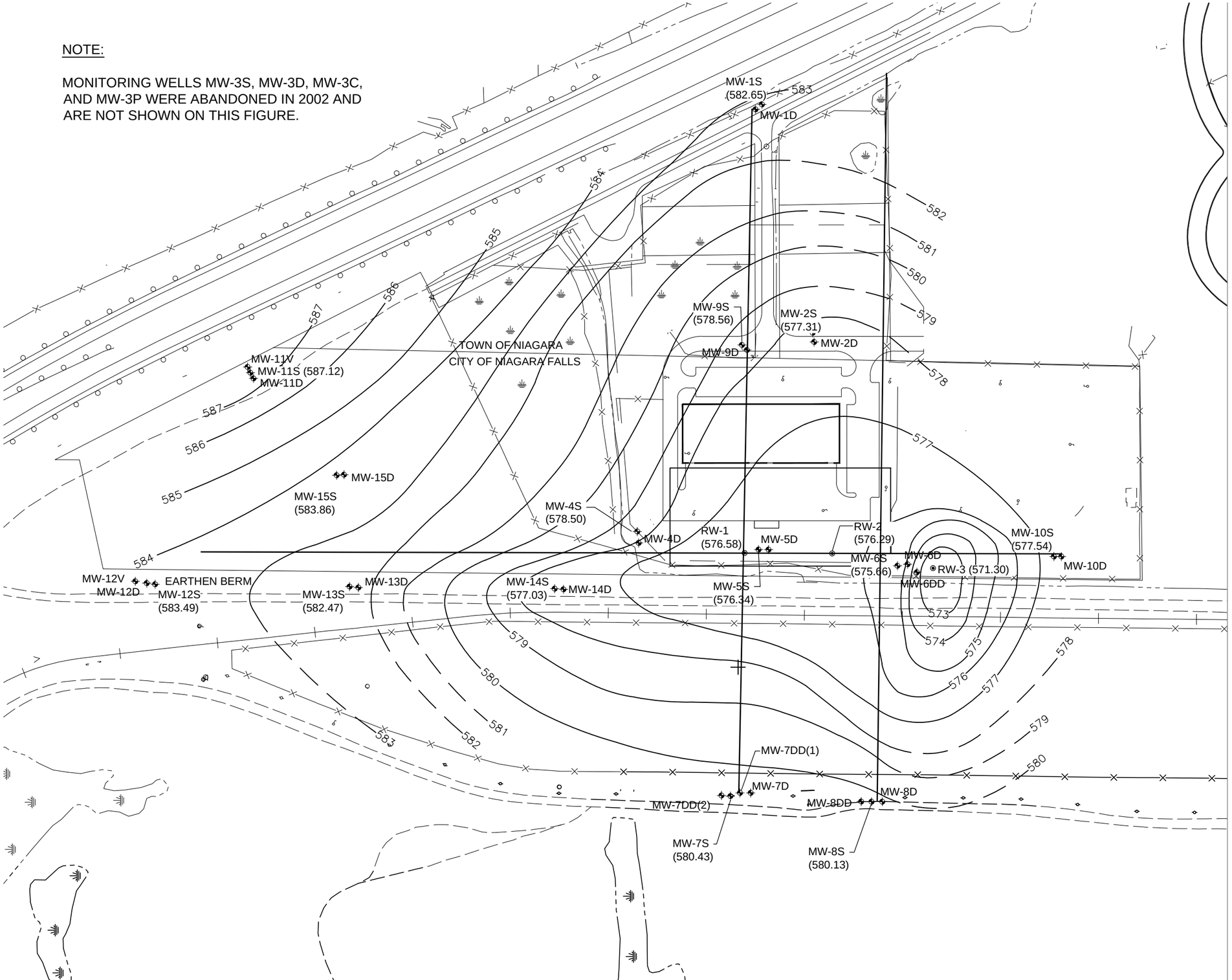
200 0 200

FILE NO. 5540.70165-002
APRIL 2019

O'BRIEN & GERE ENGINEERS, INC.

NOTE:

MONITORING WELLS MW-3S, MW-3D, MW-3C, AND MW-3P WERE ABANDONED IN 2002 AND ARE NOT SHOWN ON THIS FIGURE.



N

LEGEND

- SWAMP/WETLANDS
- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- APPROXIMATE RECOVERY WELL LOCATION
- ENGINEERED CAP LIMITS
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (576.32) GROUND WATER ELEVATION

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SHALLOW BEDROCK GROUND WATER ELEVATION CONTOURS (6/19/19)

1"=200'

200 0 200

FILE NO. 5540.70165-003
JULY 2019

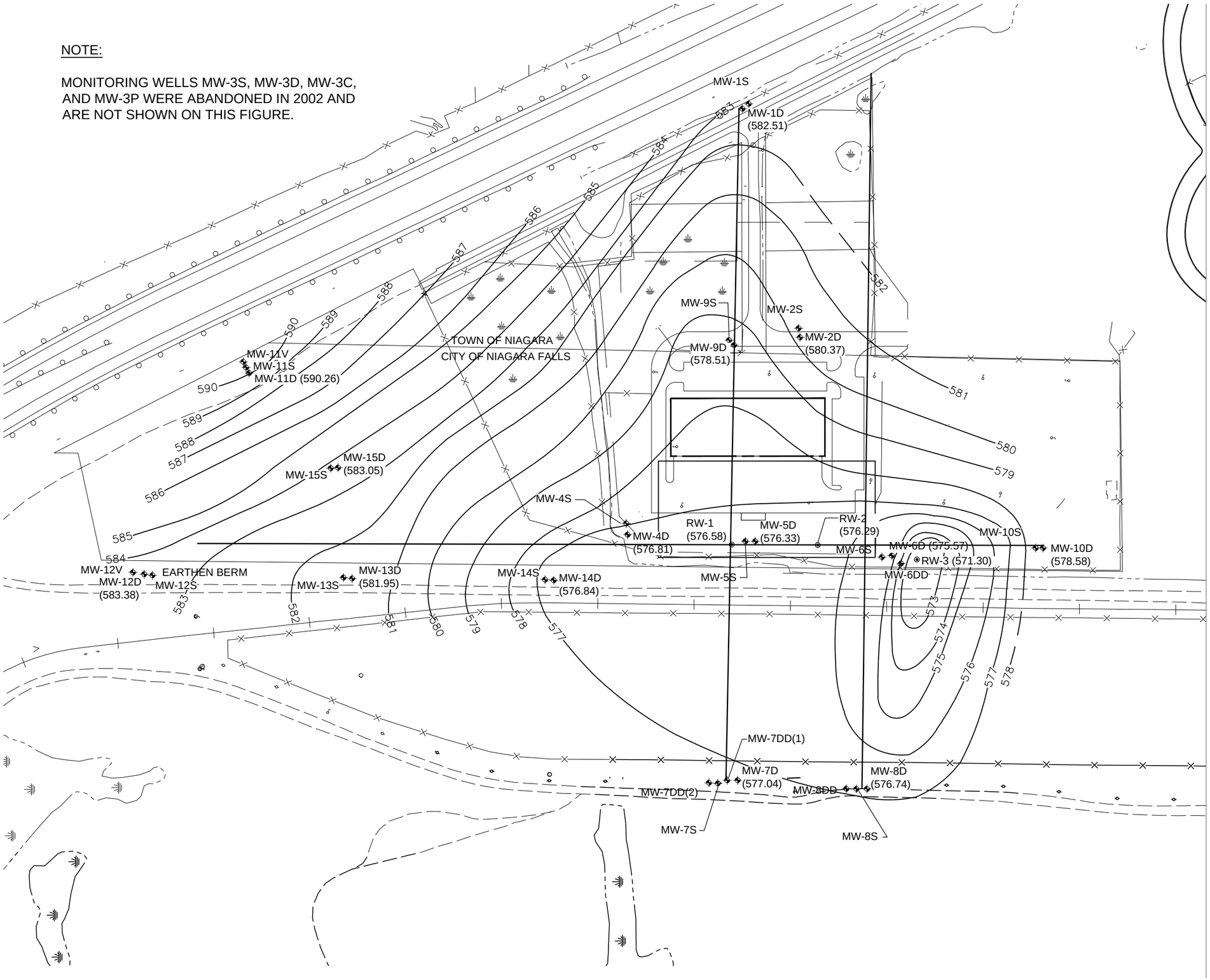
O'BRIEN & GERE ENGINEERS, INC.

7/18/2019 11:33 AM

I:\Goodyear.5540\70165.Forest-Glen-201\Docs\DWG\Sheets\70165-003-FIG1.dwg

NOTE:

MONITORING WELLS MW-3S, MW-3D, MW-3C, AND MW-3P WERE ABANDONED IN 2002 AND ARE NOT SHOWN ON THIS FIGURE.



LEGEND

- SWAMP/WETLANDS
- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- EXISTING RECOVERY WELL LOCATION
- ENGINEERED CAP LIMITS
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (576.32) GROUND WATER ELEVATION

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

DEEP BEDROCK GROUND WATER ELEVATION CONTOURS (6/19/19)

1"=200'

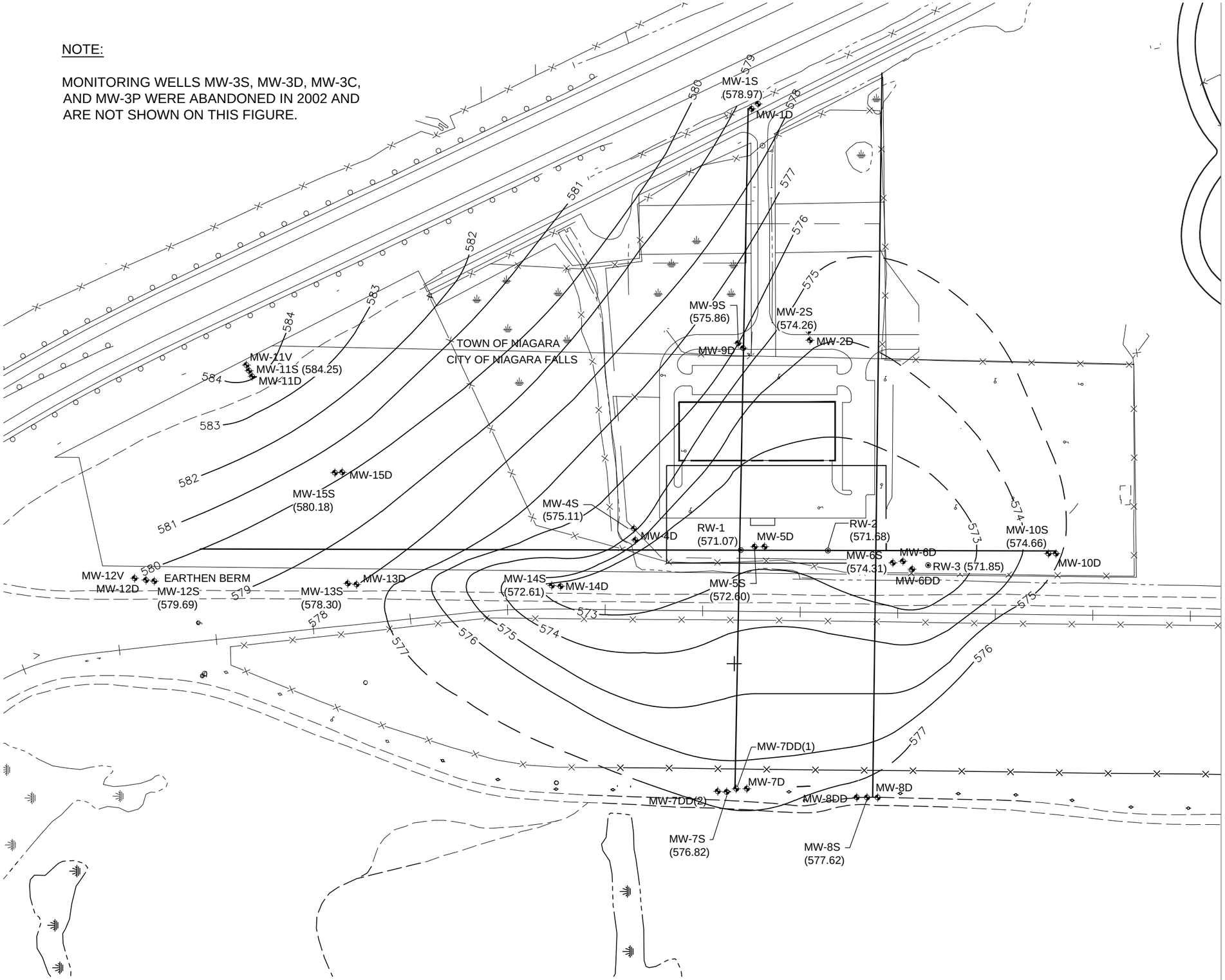
200 0 200

FILE NO. 5540.70165-004
JULY 2019

O'BRIEN & GERE ENGINEERS, INC.

NOTE:

MONITORING WELLS MW-3S, MW-3D, MW-3C, AND MW-3P WERE ABANDONED IN 2002 AND ARE NOT SHOWN ON THIS FIGURE.



N

LEGEND

- SWAMP/WETLANDS
- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- APPROXIMATE RECOVERY WELL LOCATION
- ENGINEERED CAP LIMITS
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (576.32) GROUND WATER ELEVATION

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SHALLOW BEDROCK GROUND WATER ELEVATION CONTOURS (9/23/19)

1"=200'

200 0 200

FILE NO. 5540.70165-005
OCTOBER 2019

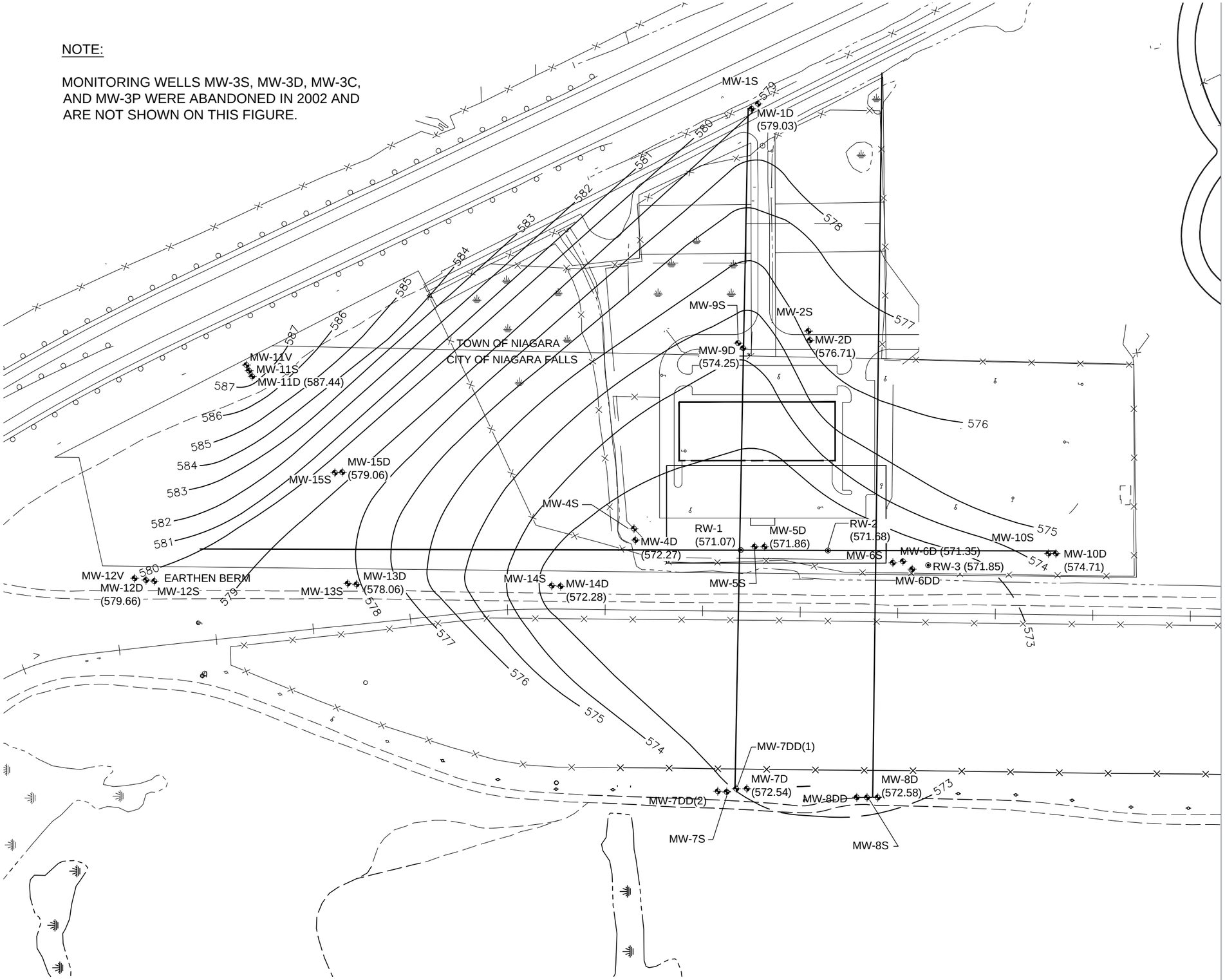
O'BRIEN & GERE ENGINEERS, INC.

10/23/2019 11:06 AM

I:\Goodyear.5540\70165.Forest-Glen-201\Docs\DWG\Sheets\70165-005-FIG1.dwg

NOTE:

MONITORING WELLS MW-3S, MW-3D, MW-3C, AND MW-3P WERE ABANDONED IN 2002 AND ARE NOT SHOWN ON THIS FIGURE.



N

LEGEND

- SWAMP/WETLANDS
- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- EXISTING RECOVERY WELL LOCATION
- ENGINEERED CAP LIMITS
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (576.32) GROUND WATER ELEVATION

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

DEEP BEDROCK GROUND WATER ELEVATION CONTOURS (9/23/19)

1"=200'

200 0 200

FILE NO. 5540.70165-006
OCTOBER 2019

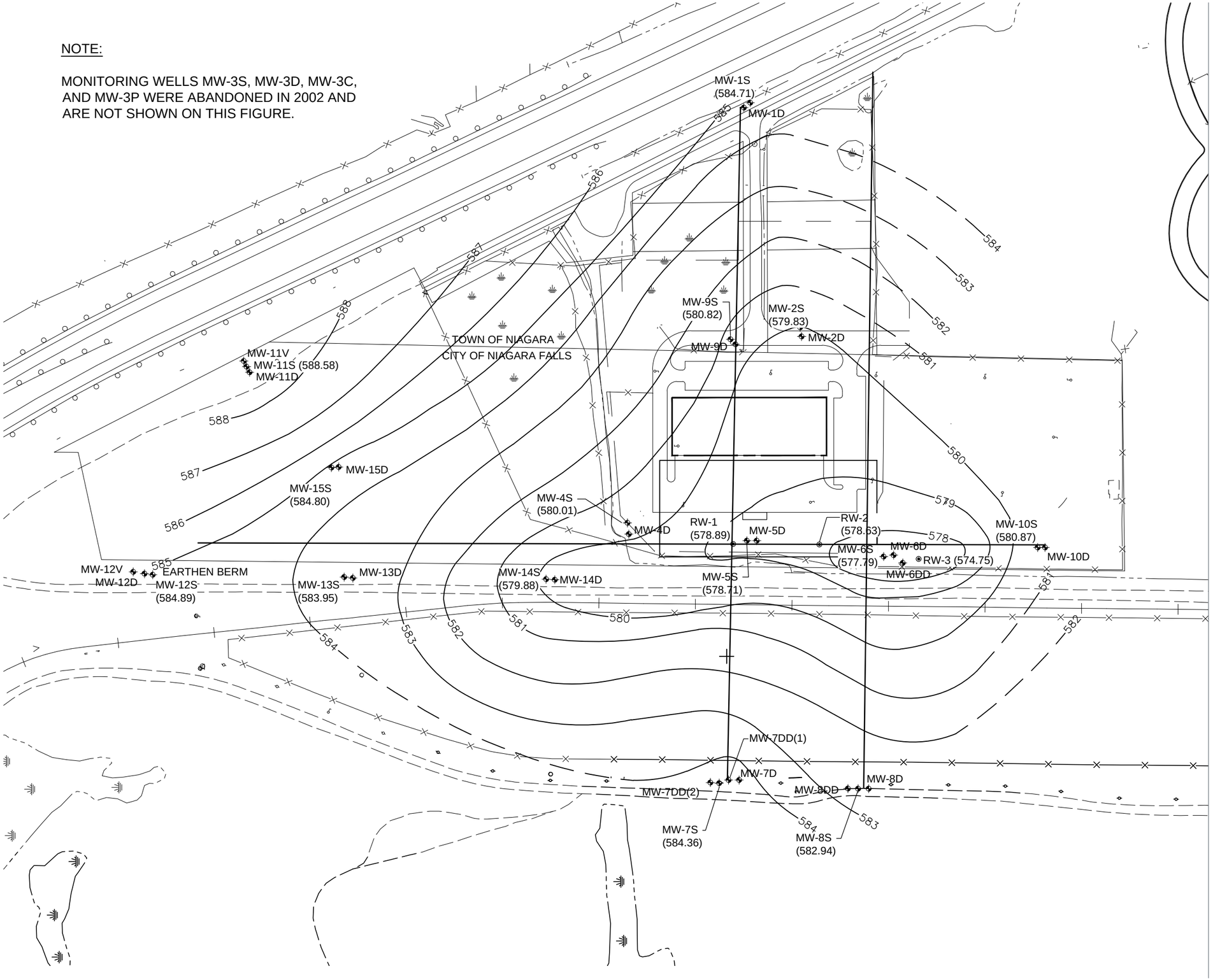
O'BRIEN & GERE ENGINEERS, INC.

10/11/2019 9:50 AM

I:\Goodyear.5540\70165.Forest-Glen-201\Docs\DWG\Sheets\70165-006-FIG2.dwg

NOTE:

MONITORING WELLS MW-3S, MW-3D, MW-3C, AND MW-3P WERE ABANDONED IN 2002 AND ARE NOT SHOWN ON THIS FIGURE.



LEGEND

- SWAMP/WETLANDS
- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- APPROXIMATE RECOVERY WELL LOCATION
- ENGINEERED CAP LIMITS
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (576.32) GROUND WATER ELEVATION

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SHALLOW BEDROCK GROUND WATER ELEVATION CONTOURS (12/17/19)

1"=200'

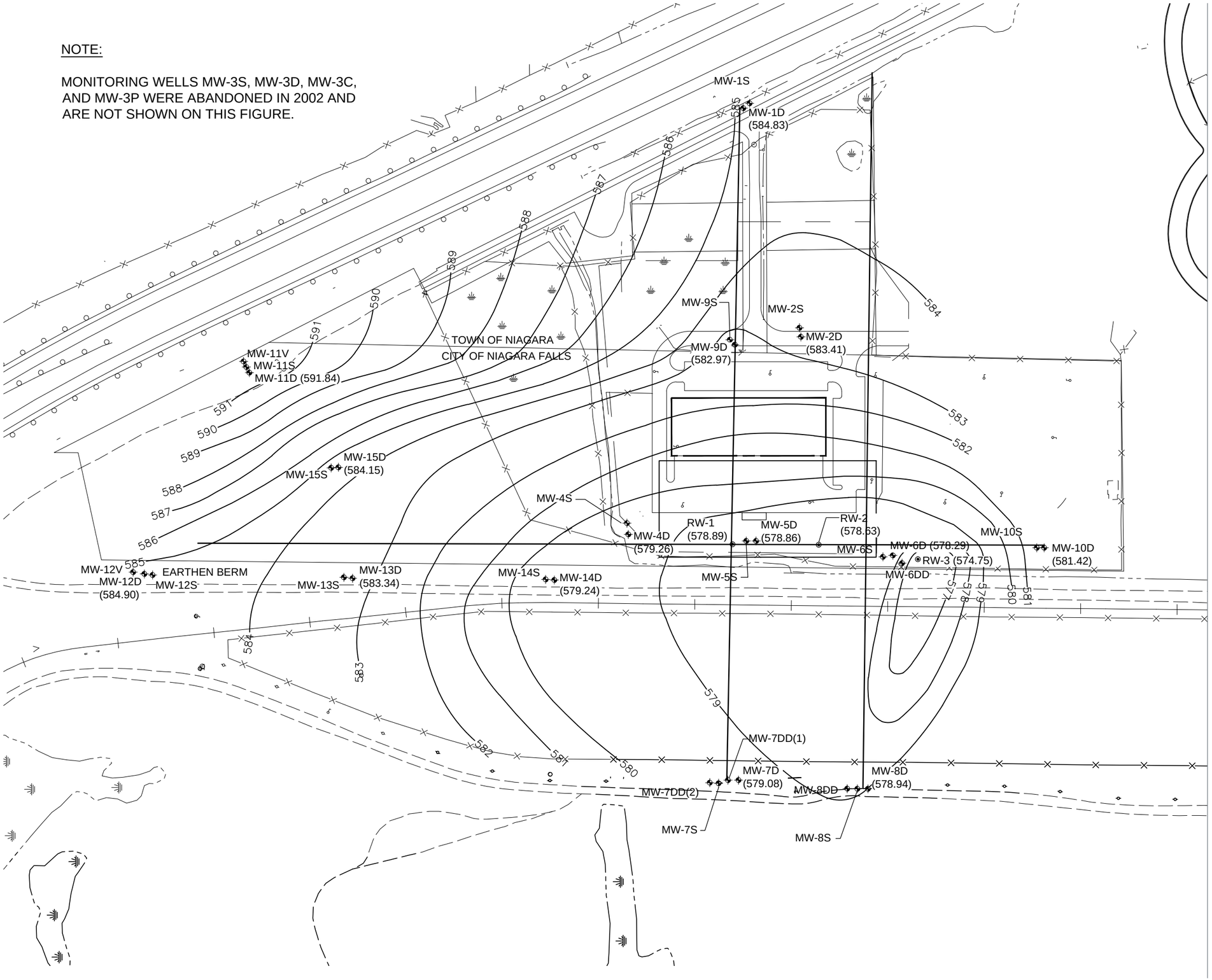
200 0 200

FILE NO. 5540.70165-007
JANUARY 2020

O'BRIEN & GERE ENGINEERS, INC.

NOTE:

MONITORING WELLS MW-3S, MW-3D, MW-3C, AND MW-3P WERE ABANDONED IN 2002 AND ARE NOT SHOWN ON THIS FIGURE.



LEGEND

- SWAMP/WETLANDS
- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- EXISTING RECOVERY WELL LOCATION
- ENGINEERED CAP LIMITS
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (576.32) GROUND WATER ELEVATION

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

DEEP BEDROCK GROUND WATER ELEVATION CONTOURS (12/17/19)

1"=200'

200 0 200

FILE NO. 5540.70165-008
JANUARY 2020

O'BRIEN & GERE ENGINEERS, INC.

Jan 23, 2015 - 1:54pm

FIGURE 12

MW-1S(581.48)
MW-1D
582
583
584
585
586
587
MW-11V
MW-11S (581.67)
MW-11D
TOWN OF NIAGARA
CITY OF NIAGARA FALLS
(583.71)MW-9S
MW-9D
(579.75)
MW-2S(583.48)
MW-2D
MW-3S
(583.90)
MW-3D
MW-15D
MW-15S
(585.67)
MW-4S
(583.29)
MW-4D
MW-5D
(584.66)
MW-13S
MW-13D (582.86)
MW-12V
MW-12D
MW-12S
(585.53)
EARTHEN BERM
MW-14S
(582.18)
MW-14D
(582.24) MW-5S
MW-6S
(585.55)
MW-6D
MW-10S
(580.82)
MW-10D
581
MW-7D
MW-8S
(582.97)
MW-8DD
MW-8D
MW-7S
(584.83)

LEGEND

- SWAMP/WETLANDS
- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- APPROXIMATE RECOVERY WELL LOCATION
- ENGINEERED CAP LIMITS
- 581 GROUND WATER ELEVATION CONTOURS (DASHED WHERE INFERRED)
- (580.82) GROUND WATER ELEVATIONS (FEET MEAN SEA LEVEL)

NOTE:

GROUND WATER ELEVATION AT MW-6S APPEARS ANOMALOUS AND WAS NOT USED IN CONTOUR GENERATION.

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

BASELINE SHALLOW BEDROCK GROUNDWATER ELEVATION CONTOURS (2/14/00)

1"=200' 200 0 200

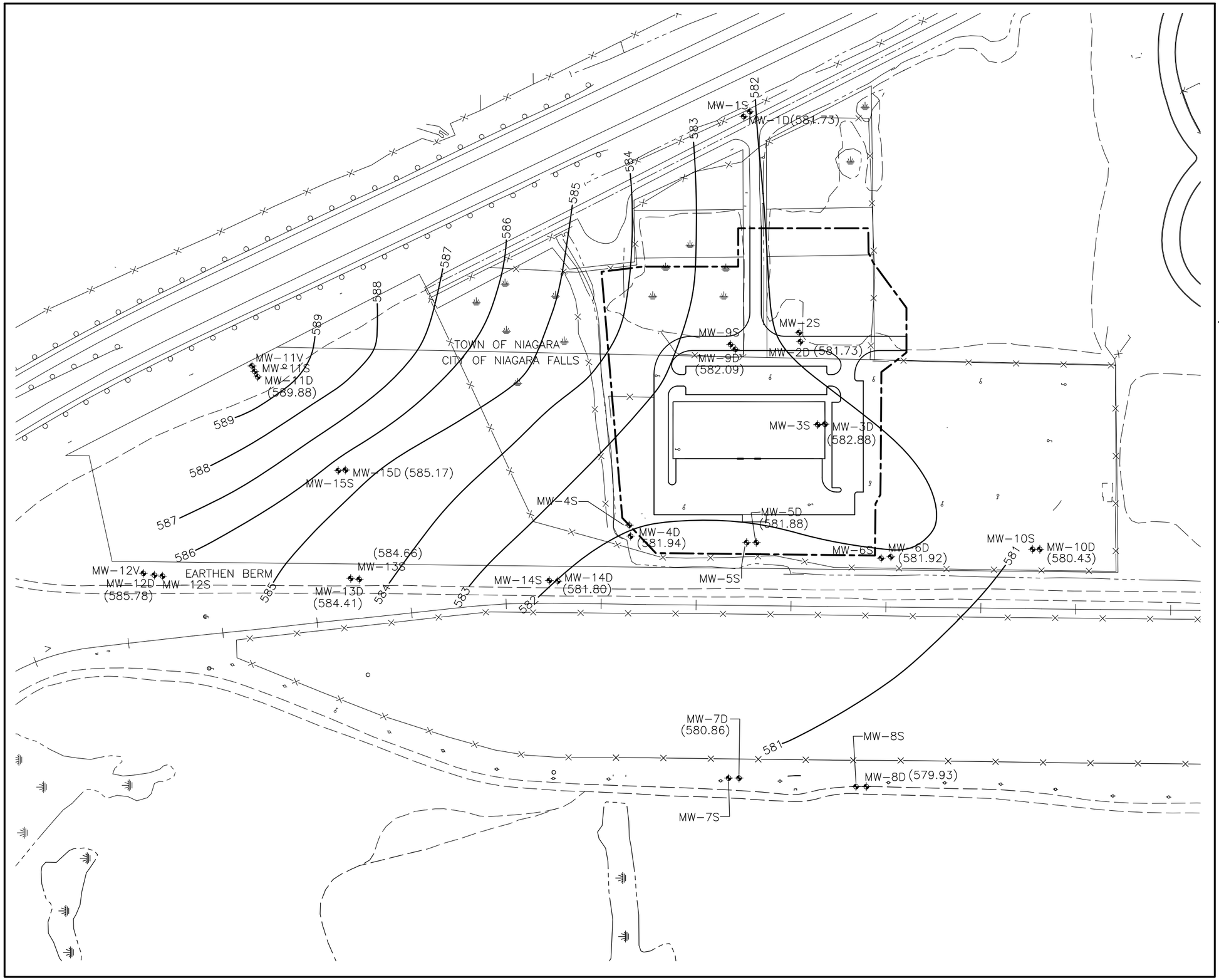
FILE NO. 5540.44667.017
MARCH 2010

O'BRIEN & GERE
ENGINEERS INC.

I:\Goodyear.5540\52347.Forest-Glen-7-1\Docs\DWG\Sheets\44667-017-Fig5A.dwg

Jan 23, 2015 - 1:55pm

FIGURE 13



LEGEND

- SWAMP/WETLANDS
- FENCE LINE
- RAILROAD TRACKS
- EXISTING MONITORING WELL LOCATION
- ENGINEERED CAP LIMITS
- 581 — GROUND WATER ELEVATION CONTOURS (DASHED WHERE INFERRED)
- (580.43) GROUND WATER ELEVATIONS (FEET MEAN SEA LEVEL)

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

BASELINE DEEP BEDROCK GROUNDWATER ELEVATION CONTOURS (2/14/00)

1"=200' 200 0 200

FILE NO. 5540.44667.018
MARCH 2010

O'BRIEN & GERE
ENGINEERS INC.

I:\Goodyear.5540\52347.Forest-Glen-7-1\Docs\DWG\Sheets\44667-018-Fig5B.dwg

APPENDICES

APPENDIX A

EFFLUENT MONITORING REPORTS

March 5, 2019

Mr. Joel Paradise
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, New York 14304

RE: Significant Industrial User (SIU)
Permit No. 61 for Forest Glen Site
FILE: Quarterly Monitoring Report (Period ending February 28, 2019)

Dear Mr. Paradise:

This quarterly monitoring report for the period between December 1, 2018 and February 28, 2019 is provided for the groundwater recovery and discharge system (the "system") constructed at the Forest Glen Superfund Site in Niagara Falls, New York. The Goodyear Tire & Rubber Company (Goodyear) owns and operates the system, as agent for the Forest Glen Site Trust, under the Significant Industrial User (SIU) Permit No. 61 issued by the Niagara Falls Water Board (NFWB) on September 5, 2018.

The groundwater recovery system comprises the following:

- Three groundwater recovery wells (RW-1, RW-2 and RW-3) located at the Forest Glen Site.
- An off-site electrical enclosure at Regulator No. 6C, on Hyde Park Avenue in Niagara Falls, housing a power disconnect switch, overflow level sensor, and remote monitoring unit (RMU).

During the quarter between December 1, 2018 and February 28, 2019, a total of 3,069,160 gallons of groundwater were recovered and discharged to the sanitary sewer for treatment at the Niagara Falls publicly owned treatment works (POTW), and in accordance with SIU Permit No. 61 Goodyear conducted self-monitoring of the flow. The monitoring included collection of four separate grab samples from November 27 to September 18, 2018 from recovery wells RW-1, RW-2 and RW-3.

The four grab samples collected from the recovery wells were delivered to Test America, Inc. in Amherst, NY where they were composited and analyzed for volatile organic compounds (VOCs) including vinyl chloride, 1,1-dichloroethylene, 1,2-dichloroethylene (cis and trans), 1,1-dichloroethane, trichloroethylene, tetrachloroethylene and 1,1,1-trichloroethane using USEPA method 624. The results of the analyses are summarized in the Self-Monitoring Report provided as Attachment A, which presents the concentration for each well based on the composite samples. The Test America laboratory report is provided as Attachment B.

As required by the SIU permit, the results of the self-monitoring were used to calculate daily loading to the POTW. Based on the results, there were no permit limit violations for the quarter and the loads to the POTW were below the established limits.

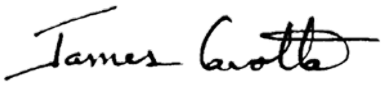
333 West Washington Street, PO Box 4873
Syracuse, NY 13221-4873

p 315-956-6100
f 315-463-7554

OBG
www.obg.com

If you have any questions concerning this report, please do not hesitate to call me at (315) 956-6836.

Very truly yours,
O'BRIEN & GERE ENGINEERS, INC.



James M. Cavotta
Project Manager

I:\Goodyear.5540\70165.Forest-Glen-201\Corres\NFWB Quarterly Reports\2019\February2019_Quarterly_Report_Ltr.docx

cc: E. Gloeckler – The Goodyear Tire & Rubber Company
M. Walters – United States Environmental Protection Agency
J. Gaylord – New York State Department of Environmental Conservation

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. 61 QUARTER February 28, 2019

INDUSTRY NAME: The Goodyear Tire & Rubber Company

Pursuant to federal pretreatment reporting requirements and the Niagara Falls Water Board Regulations Part 1960, Significant Industrial Users shall submit periodic self-monitoring and compliance reports. Such reports shall be submitted using this form, according to the following schedule:

Quarterly	-	1st Quarter by February 28th
	-	2nd Quarter by May 31st
	-	3rd Quarter by August 31st
	-	4th Quarter by November 30th
Semi-Annual	-	by February 28th and
	-	by August 31st

Each section of this report form shall be filled out for those parameters listed in Section "G" of the company's Wastewater Discharge Permit. The analysis results must be reported in both concentration and mass. In addition, the calculated annual average load (lbs/day) for each pollutant shall also be reported.

The samples shall be collected at the monitoring points identified in the user permit. Identification of those points in this report should be as listed on page two (2) of the User Permit.

SELF-MONITORING REPORT
Significant Industrial Users (SIUs)

PAGE 2

PART II of the report is the Compliance Monitoring section. The user is obligated to determine if the analysis results indicates compliance. All violations noted should be brought to the Niagara Falls Water Board – Wastewater Facilities attention immediately upon noting and should also be reported in this section. The analysis result should be compared against all applicable federal, state and local standards and limitations. If no violations are noted then **"NO VIOLATIONS"** should appear on the report.

Pursuant to 40 CFR Part 403.12g of the Federal Standards, all violations noted must be followed up by a sample recollect/analysis and the results submitted to the Niagara Falls Water Board within thirty (30) days of first becoming aware of the violation.

Pursuant to 40 CFR Part 403.12g all Periodic Self-Monitoring Reports must be signed by a "responsible company official" certifying the following statement:

> I, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____

Title: Senior Manager, Global Remediation

Date: 2/15/19

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 11/28/18						
24-HOUR FLOW IN MGD *						0.035
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – DICHLOROETHYLENE	24	5.6	17	0.0045	16.84	0.0047
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	5 U	0	0.066	0.00003
TOLUENE						
1,1,1 – TRICHLOROETHANE	1.9 J	0.48 J	5 U	0.0003	0.68	0.0002
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	0.65 J	0.61 J	5 U	0.0002	0.906	0.0002
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	6.6	3.6 J	3.1 J	0.0014	4.42	0.0013
TETRAHYDRAFURAN						
XYLENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 11/28/18						
24-HOUR FLOW IN MGD						0.035
DIMETHYLPHTHALATE						
BUTYL BENZYL PHTHALATE						
Di-N-BUTHY PHTHALATE						
Di-N-OCTYL PHTHALATE						
DIETHYL PHTHALATE						
NITROSODIPHENYLAMINE						
DICHLOROBENZENES						
DICHLOROTOLUENE						
ACENAPHTHENE						
FLUORANTHENE						
CHRYSENE						
NAPHTHALENE						
BENZO (a) ANTHRACENE						
PYRENE						
TRICHLOROBENZENE						
TRICHLOROTOLUENE						
HEXACHLOROBUTADIENE						
TETRACHLOROBENZENE						
HEXACHLOROCYCLOPENTADIENE						
HEXCHLOROBENZENE						
DICHLOROBENZOTRIFLUORIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 11/28/18						
24-HOUR FLOW IN MGD						0.035
PHENANTHRENE						
MONOCHLOROPHENOL						
DICHLOROPHENOL						
MONOCHLOROCRESOL						
TRICHLOROPHENOL						
PENTACHLOROPHENOL						
HEXACHLOROCYCLOHEXANES						
PCB's						
ENDOSULFAN I +						
ENDOSULFAN II +						
ENDOSULFAN SULFATE						
MIREX						
DECHLORANE PLUS						
HEPTACHLOR +						
HEPTACHLOR EPOXIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 11/28/18						
24-HOUR FLOW IN MGD *						0.035
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	1.9 J	0.48 J	5 U	0.0003	0.68	0.0002
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	3.6 J	1.2 J	5 U	0.0006	1.67	0.0005
1,1,2 – TRICHLOROETHANE						
CHLOROETHANE						
1,2 – DICHLOROBENZENE						
1,3 – DICHLOROBENZENE						
1,4 – DICHLOROBENZENE						
1,1 DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – TRANS-DICHLOROETHYLENE						
1,3 – DICHLOROPROPYLENE						
METHYL CHLORIDE						
NITROBENZENE						
2 – NITROPHENOL						
4 – NITROPHENOL						
4,6 DINITRO-O-CRESOL						
BIS [2 – ETHYHEXYL] PHTHALATE						
ANTHRACENE						
DIETHYL PHTHALATE						
FLUORENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 11/28/18						
24-HOUR FLOW IN MGD *						0.035
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	6.6	3.6 J	3.1 J	0.0014	4.42	0.0013
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE	0.65 J	0.61 J	5 U	0.0002	0.906	0.0002
TOTAL CYANIDE						
TOTAL LEAD						
TOTAL ZINC						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 11/28/18						
24-HOUR FLOW IN MGD						0.035
TOTAL SUSPENDED SOLIDS						
SOLUABLE ORGANIC CARBON						
TOTAL PHOSPHOROUS						
TOTAL PHENOL						
OIL and GREASE						
CADMIUM						
CHROMIUM						
COPPER						
LEAD						
MERCURY						
NICKEL						
ZINC						
ARSENIC						
BERYLLIUM						
BARIUM						
TOTAL CYANIDE						
pH (STANDARD UNITS)						
RESIDUAL CHLORINE						
TOTAL SODIUM CHLORIDE						
TOTAL AMMONIA						
DIETHYLENE GLYCOL						

PART II

COMPLIANCE MONITORING

The Goodyear Tire & Rubber Company

SIU NAME: _____

61

PERMIT NO.: _____

NO PERMIT VIOLATIONS

VIOLATION PARAMETER	DATE	FLOW [MGD]	SAMPLE POINT LOCATION	ACTUAL* DISCHARGE	PERMIT LIMIT	TYPE** LIMIT VIOLATED

NOTE:

* - Actual discharge – list actual analytical results and appropriate units.

** - Type Limit Violated – List Type:

A.A. = Annual Average

D.M. = Daily Maximum

L.L. = Local Limits (Regulation 1960.5)

QUARTERLY SELF-MONITORING SUMMARY
GROUNDWATER RECOVERY SYSTEM EFFLUENT

FOREST GLEN SUPERFUND SITE
NIAGARA FALLS, NEW YORK

		RW-1 volume 14,688 gallons		RW-2 volume 14,544 gallons		RW-3 volume 6,192 gallons	Total volume 35,424 gallons	
Analyte	RW-1 (11/28/18)	Contribution to loading to POTW	RW-2 11/28/18)	Contribution to loading to POTW	RW-3 (11/28/18)	Contribution to loading to POTW	Total loading to POTW	
1,1,1-trichloroethane	1.9 J	0.00023 lbs/day	0.48 J	0.0001 lbs/day	5 U	0 lbs/day	0.0003 lbs/day	0.9849 ug/l
1,1-dichloroethane	3.6 J	0.0004 lbs/day	1.2 J	0.0001 lbs/day	5 U	0 lbs/day	0.0006 lbs/day	1.9854 ug/l
1,1-dichloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
cis-1,2-dichloroethylene	24	0.0029 lbs/day	5.6	0.0007 lbs/day	17	0.0009 lbs/day	0.0045 lbs/day	15.2220 ug/l
tetrachloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
trans-1,2-dichloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
trichloroethylene	0.65 J	0.0001 lbs/day	0.61 J	0.0001 lbs/day	5 U	0 lbs/day	0.0002 lbs/day	0.5200 ug/l
vinyl chloride	6.6	0.0008 lbs/day	3.6 J	0.0004 lbs/day	3.1 J	0.0002 lbs/day	0.0014 lbs/day	4.7565 ug/l

Notes
1. Concentrations reported in units of ug/l
2. U - undetected, with detection limit identified
3. J - estimated value

	3/14/2018	6/19/2018	9/18/2018	11/28/2018	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	0.7741	0.7200	0.2407	0.9849	0.680
1,1-dichloroethane	1.6874	1.7874	1.1980	1.9854	1.665
1,1-dichloroethylene	0	0	0	0	0.00
cis-1,2-dichloroethylene	14.8506	24.7581	12.5285	15.2220	16.84
tetrachloroethylene	0	0.2641	0	0	0.066
trans-1,2-dichloroethylene	0	0	0	0	0.00
trichloroethylene	2.8932	0.2113	0	0.5200	0.906
vinyl chloride	2.3031	6.3563	4.2488	4.7565	4.416

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0002	0.0002	0.0001	0.0003	0.0002
1,1-dichloroethane	0.0004	0.0005	0.0004	0.0006	0.0005
1,1-dichloroethylene	0	0	0	0	0.0000
cis-1,2-dichloroethylene	0.0037	0.0069	0.0037	0.0045	0.0047
tetrachloroethylene	0	0.0001	0	0	0.00003
trans-1,2-dichloroethylene	0	0	0	0	0.0000
trichloroethylene	0.0007	0.0001	0	0	0.0002
vinyl chloride	0.0006	0.0018	0.0013	0.0014	0.0013

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-145815-1
Client Project/Site: Forest Glen Discharge Analysis

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Mary Schwartzmyer

Authorized for release by:
12/3/2018 8:53:17 AM
Mary Schwartzmyer, Project Manager I
mary.schwartzmyer@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-145815-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-145815-1

Job ID: 480-145815-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-145815-1

Receipt
The samples were received on 11/28/2018 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method(s) 624.1: The following Volatile sample(s) was composited by the laboratory on 11/29/18 as requested by the client: RW-1 LAB COMPOSITE (480-145815-1), RW-2 LAB COMPOSITE (480-145815-6) and RW-3 LAB COMPOSITE (480-145815-11). Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-145815-1

Client Sample ID: RW-1 LAB COMPOSITE — Lab Sample ID: 480-145815-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.9	J	5.0	0.39	ug/L	1		624.1	Total/NA
1,1-Dichloroethane	3.6	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	24		5.0	0.57	ug/L	1		624.1	Total/NA
Trichloroethylene	0.65	J	5.0	0.60	ug/L	1		624.1	Total/NA
Vinyl chloride	6.6		5.0	0.75	ug/L	1		624.1	Total/NA

Client Sample ID: RW-2 LAB COMPOSITE — Lab Sample ID: 480-145815-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.48	J	5.0	0.39	ug/L	1		624.1	Total/NA
1,1-Dichloroethane	1.2	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	5.6		5.0	0.57	ug/L	1		624.1	Total/NA
Trichloroethylene	0.61	J	5.0	0.60	ug/L	1		624.1	Total/NA
Vinyl chloride	3.6	J	5.0	0.75	ug/L	1		624.1	Total/NA

Client Sample ID: RW-3 LAB COMPOSITE — Lab Sample ID: 480-145815-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	17		5.0	0.57	ug/L	1		624.1	Total/NA
Vinyl chloride	3.1	J	5.0	0.75	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-145815-1
Date Collected: 11/28/18 10:15
Matrix: Water
Date Received: 11/28/18 16:30

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.9**	**J**	5.0	0.39	ug/L			11/29/18 14:34	1
1,1-Dichloroethane	**3.6**	**J**	5.0	0.59	ug/L			11/29/18 14:34	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			11/29/18 14:34	1
cis-1,2-Dichloroethylene	**24**		5.0	0.57	ug/L			11/29/18 14:34	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			11/29/18 14:34	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			11/29/18 14:34	1
Trichloroethylene	**0.65**	**J**	5.0	0.60	ug/L			11/29/18 14:34	1
Vinyl chloride	**6.6**		5.0	0.75	ug/L			11/29/18 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 130*		*11/29/18 14:34*	*1*
4-Bromofluorobenzene (Surr)	*111*		*76 - 123*		*11/29/18 14:34*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/29/18 14:34*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*11/29/18 14:34*	*1*

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-145815-6
Date Collected: 11/28/18 10:15
Matrix: Water
Date Received: 11/28/18 16:30

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.48**	**J**	5.0	0.39	ug/L			11/29/18 14:58	1
1,1-Dichloroethane	**1.2**	**J**	5.0	0.59	ug/L			11/29/18 14:58	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			11/29/18 14:58	1
cis-1,2-Dichloroethylene	**5.6**		5.0	0.57	ug/L			11/29/18 14:58	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			11/29/18 14:58	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			11/29/18 14:58	1
Trichloroethylene	**0.61**	**J**	5.0	0.60	ug/L			11/29/18 14:58	1
Vinyl chloride	**3.6**	**J**	5.0	0.75	ug/L			11/29/18 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 130*		*11/29/18 14:58*	*1*
4-Bromofluorobenzene (Surr)	*111*		*76 - 123*		*11/29/18 14:58*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/29/18 14:58*	*1*
Toluene-d8 (Surr)	*91*		*77 - 120*		*11/29/18 14:58*	*1*

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-145815-11
Date Collected: 11/28/18 10:15
Matrix: Water
Date Received: 11/28/18 16:30

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/29/18 15:21	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/29/18 15:21	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			11/29/18 15:21	1
cis-1,2-Dichloroethylene	**17**		5.0	0.57	ug/L			11/29/18 15:21	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			11/29/18 15:21	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			11/29/18 15:21	1
Trichloroethylene	ND		5.0	0.60	ug/L			11/29/18 15:21	1
Vinyl chloride	**3.1**	**J**	5.0	0.75	ug/L			11/29/18 15:21	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-145815-1

Client Sample ID: RW-3 LAB COMPOSITE
Date Collected: 11/28/18 10:15
Date Received: 11/28/18 16:30

Lab Sample ID: 480-145815-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		68 - 130		11/29/18 15:21	1
4-Bromofluorobenzene (Surr)	112		76 - 123		11/29/18 15:21	1
Dibromofluoromethane (Surr)	94		75 - 123		11/29/18 15:21	1
Toluene-d8 (Surr)	90		77 - 120		11/29/18 15:21	1

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-145815-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-145815-1	RW-1 LAB COMPOSITE	94	111	93	96
480-145815-6	RW-2 LAB COMPOSITE	96	111	92	91
480-145815-11	RW-3 LAB COMPOSITE	95	112	94	90
LCS 480-448052/6	Lab Control Sample	105	119	100	101
MB 480-448052/8	Method Blank	104	120	97	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-448052/8
Matrix: Water
Analysis Batch: 448052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/29/18 10:59	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/29/18 10:59	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			11/29/18 10:59	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			11/29/18 10:59	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			11/29/18 10:59	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			11/29/18 10:59	1
Trichloroethylene	ND		5.0	0.60	ug/L			11/29/18 10:59	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/29/18 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*11/29/18 10:59*	*1*
4-Bromofluorobenzene (Surr)	*120*		*76 - 123*		*11/29/18 10:59*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/29/18 10:59*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*11/29/18 10:59*	*1*

Lab Sample ID: LCS 480-448052/6
Matrix: Water
Analysis Batch: 448052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	17.6		ug/L		88	52 - 162
1,1-Dichloroethane	20.0	16.8		ug/L		84	59 - 155
1,1-Dichloroethylene	20.0	17.5		ug/L		87	1 - 234
Tetrachloroethylene	20.0	16.4		ug/L		82	64 - 148
trans-1,2-Dichloroethylene	20.0	16.8		ug/L		84	54 - 156
Trichloroethylene	20.0	16.8		ug/L		84	71 - 157
Vinyl chloride	20.0	15.0		ug/L		75	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*
4-Bromofluorobenzene (Surr)	*119*		*76 - 123*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*101*		*77 - 120*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-145815-1

GC/MS VOA

Analysis Batch: 448052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145815-1	RW-1 LAB COMPOSITE	Total/NA	Water	624.1	
480-145815-6	RW-2 LAB COMPOSITE	Total/NA	Water	624.1	
480-145815-11	RW-3 LAB COMPOSITE	Total/NA	Water	624.1	
MB 480-448052/8	Method Blank	Total/NA	Water	624.1	
LCS 480-448052/6	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-145815-1

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-145815-1
Matrix: Water
Date Collected: 11/28/18 10:15
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	448052	11/29/18 14:34	S1V	TAL BUF

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-145815-6
Matrix: Water
Date Collected: 11/28/18 10:15
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	448052	11/29/18 14:58	S1V	TAL BUF

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-145815-11
Matrix: Water
Date Collected: 11/28/18 10:15
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	448052	11/29/18 15:21	S1V	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-145815-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-145815-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-145815-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-145815-1	RW-1 LAB COMPOSITE	Water	11/28/18 10:15	11/28/18 16:30
480-145815-6	RW-2 LAB COMPOSITE	Water	11/28/18 10:15	11/28/18 16:30
480-145815-11	RW-3 LAB COMPOSITE	Water	11/28/18 10:15	11/28/18 16:30

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-106521-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 2
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:
City: East Syracuse	TAT Requested (days):
State, Zip: NY, 13221	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11700485
Email: Yuri.Veliz@obg.com	WO #:
Project Name: Forest Glen Discharge Analysis	Project #: 48002806
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624_5ml - Volatile Organic Compounds	Total Number of containers	Special Instru
			Preservation Code:				A		
RW-1 112718	11-27-18	11:30	G	Water			3		
RW-2 112718	11-27-18	11:30	G	Water			3		
RW-3 112718	11-27-18	11:30	G	Water			3		
RW-1 112718	11-27-18	1340	G	W			3		
RW-2 112718	11-27-18	1340	G	W			3		
RW-3 112718	11-27-18	13:40	G	W			3		
RW-1 112818	11-28-18	17:30	G	W			3		
RW-2 112818	11-28-18	1730	G	W			3		
RW-3 112818	11-28-18	1730	G	W			3		

480-145815 COC

To Be Composited By LABS

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koennecke	11-28-18 / 1630	OBG		11/28/18 1630	TAB.
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: FI 3.6°C

Ver: 08/04/2016

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-106521-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:
City: East Syracuse	TAT Requested (days):
State, Zip: NY, 13221	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11700485
Email: Yuri.Veliz@obg.com	WO #:
Project Name: Forest Glen Discharge Analysis	Project #: 48002806
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624_5ml - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 112818	11-28-18	10:15	G	Water			3		
RW-2 112818	11-28-18	10:15	G	Water			3		
RW-3 112818	11-28-18	10:15	G	Water			3		TO BE COMPOSITED BY LABS

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Martin Koennecke	Date/Time: 11-28-18 16:30	Company: OBG	Received by:	Date/Time: 11/28/18 1630	Company: MAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 3.6°

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-145815-1

Login Number: 145815
List Number: 1
Creator: Kinecki, Kenneth P

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	Lab to comp VOAS
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	NA: Check done at department level as required

June 10, 2019

Mr. Joel Paradise
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, New York 14304

RE: Significant Industrial User (SIU)
Permit No. 61 for Forest Glen Site
FILE: Quarterly Monitoring Report (Period ending May 31, 2019)

Dear Mr. Paradise:

This quarterly monitoring report for the period between March 1, 2019 and May 31, 2019 is provided for the groundwater recovery and discharge system (the "system") constructed at the Forest Glen Superfund Site in Niagara Falls, New York. The Goodyear Tire & Rubber Company (Goodyear) owns and operates the system, as agent for the Forest Glen Site Trust, under the Significant Industrial User (SIU) Permit No. 61 issued by the Niagara Falls Water Board (NFWB) on September 5, 2018.

The groundwater recovery system comprises the following:

- Three groundwater recovery wells (RW-1, RW-2 and RW-3) located at the Forest Glen Site.
- An off-site electrical enclosure at Regulator No. 6C, on Hyde Park Avenue in Niagara Falls, housing a power disconnect switch, overflow level sensor, and remote monitoring unit (RMU).

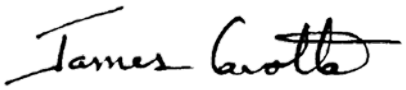
During the quarter between March 1, 2019 and May 31, 2019, a total of 2,437,776 gallons of groundwater were recovered and discharged to the sanitary sewer for treatment at the Niagara Falls publicly owned treatment works (POTW), and in accordance with SIU Permit No. 61 Goodyear conducted self-monitoring of the flow. The monitoring included collection of four separate grab samples from March 18 to March 19, 2019 from recovery wells RW-1, RW-2 and RW-3.

The four grab samples collected from the recovery wells were delivered to Test America, Inc. in Amherst, NY where they were composited and analyzed for volatile organic compounds (VOCs) including vinyl chloride, 1,1-dichloroethylene, 1,2-dichloroethylene (cis and trans), 1,1-dichloroethane, trichloroethylene, tetrachloroethylene and 1,1,1-trichloroethane using USEPA method 624. The results of the analyses are summarized in the Self-Monitoring Report provided as Attachment A, which presents the concentration for each well based on the composite samples. The Test America laboratory report is provided as Attachment B.

As required by the SIU permit, the results of the self-monitoring were used to calculate daily loading to the POTW. Based on the results, there were no permit limit violations for the quarter and the loads to the POTW were below the established limits.

If you have any questions concerning this report, please do not hesitate to call me at (315) 956-6836.

Very truly yours,
O'BRIEN & GERE ENGINEERS, INC.



James M. Cavotta
Project Manager

I:\Goodyear.5540\70165.Forest-Glen-201\Corres\NFWB Quarterly Reports\2019\2Q19\May_2019_Quarterly_Report_Ltr-.docx

cc: E. Gloeckler – The Goodyear Tire & Rubber Company
M. Walters – United States Environmental Protection Agency
J. Gaylord – New York State Department of Environmental Conservation

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. 61 QUARTER May 31, 2019

INDUSTRY NAME: The Goodyear Tire & Rubber Company

Pursuant to federal pretreatment reporting requirements and the Niagara Falls Water Board Regulations Part 1960, Significant Industrial Users shall submit periodic self-monitoring and compliance reports. Such reports shall be submitted using this form, according to the following schedule:

Quarterly	-	1st Quarter by February 28th
	-	2nd Quarter by May 31st
	-	3rd Quarter by August 31st
	-	4th Quarter by November 30th
Semi-Annual	-	by February 28th and
	-	by August 31st

Each section of this report form shall be filled out for those parameters listed in Section "G" of the company's Wastewater Discharge Permit. The analysis results must be reported in both concentration and mass. In addition, the calculated annual average load (lbs/day) for each pollutant shall also be reported.

The samples shall be collected at the monitoring points identified in the user permit. Identification of those points in this report should be as listed on page two (2) of the User Permit.

SELF-MONITORING REPORT
Significant Industrial Users (SIUs)

PAGE 2

PART II of the report is the Compliance Monitoring section. The user is obligated to determine if the analysis results indicates compliance. All violations noted should be brought to the Niagara Falls Water Board – Wastewater Facilities attention immediately upon noting and should also be reported in this section. The analysis result should be compared against all applicable federal, state and local standards and limitations. If no violations are noted then **"NO VIOLATIONS"** should appear on the report.

Pursuant to 40 CFR Part 403.12g of the Federal Standards, all violations noted must be followed up by a sample recollect/analysis and the results submitted to the Niagara Falls Water Board within thirty (30) days of first becoming aware of the violation.

Pursuant to 40 CFR Part 403.12g all Periodic Self-Monitoring Reports must be signed by a "responsible company official" certifying the following statement:

> I, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____ For The Goodyear Tire & Rubber Co.

Title: Manager Global Remediation

Date: 4/29/19

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/19/19						
24-HOUR FLOW IN MGD *						0.030
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – DICHLOROETHYLENE	3.5	13	13	0.0023	15.44	0.0044
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	5 U	0	0.066	0.00003
TOLUENE						
1,1,1 – TRICHLOROETHANE	5 U	1.6 J	5 U	0.0002	0.64	0.0002
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	1.3 J	2.1 J	5 U	0.0003	0.512	0.0001
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIODE						
VINYL CHLORIDE	5 U	4.5 J	3.1 J	0.0006	4.45	0.0013
TETRAHYDRAFURAN						
XYLENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/19/19						
24-HOUR FLOW IN MGD						0.030
DIMETHYLPHTHALATE						
BUTYL BENZYL PHTHALATE						
Di-N-BUTHY PHTHALATE						
Di-N-OCTYL PHTHALATE						
DIETHYL PHTHALATE						
NITROSODIPHENYLAMINE						
DICHLOROBENZENES						
DICHLOROTOLUENE						
ACENAPHTHENE						
FLUORANTHENE						
CHRYSENE						
NAPHTHALENE						
BENZO (a) ANTHRACENE						
PYRENE						
TRICHLOROBENZENE						
TRICHLOROTOLUENE						
HEXACHLOROBUTADIENE						
TETRACHLOROBENZENE						
HEXACHLOROCYCLOPENTADIENE						
HEXCHLOROBENZENE						
DICHLOROBENZOTRIFLUORIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/19/19						
24-HOUR FLOW IN MGD						0.030
PHENANTHRENE						
MONOCHLOROPHENOL						
DICHLOROPHENOL						
MONOCHLOROCRESOL						
TRICHLOROPHENOL						
PENTACHLOROPHENOL						
HEXACHLOROCYCLOHEXANES						
PCB's						
ENDOSULFAN I +						
ENDOSULFAN II +						
ENDOSULFAN SULFATE						
MIREX						
DECHLORANE PLUS						
HEPTACHLOR +						
HEPTACHLOR EPOXIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/19/19						
24-HOUR FLOW IN MGD *						0.030
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	5 U	1.6 J	5 U	0.0002	0.64	0.0002
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	0.8 J	1.8 J	5 U	0.0003	1.49	0.0005
1,1,2 – TRICHLOROETHANE						
CHLOROETHANE						
1,2 – DICHLOROBENZENE						
1,3 – DICHLOROBENZENE						
1,4 – DICHLOROBENZENE						
1,1 DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – TRANS-DICHLOROETHYLENE						
1,3 – DICHLOROPROPYLENE						
METHYL CHLORIDE						
NITROBENZENE						
2 – NITROPHENOL						
4 – NITROPHENOL						
4,6 DINITRO-O-CRESOL						
BIS [2 – ETHYHEXYL] PHTHALATE						
ANTHRACENE						
DIETHYL PHTHALATE						
FLUORENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/19/19						
24-HOUR FLOW IN MGD *						0.030
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	5 U	4.5 J	3.1 J	0.0006	4.45	0.0013
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE	1.3 J	2.1 J	5 U	0.0003	0.512	0.0001
TOTAL CYANIDE						
TOTAL LEAD						
TOTAL ZINC						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/19/19						
24-HOUR FLOW IN MGD						0.030
TOTAL SUSPENDED SOLIDS						
SOLUABLE ORGANIC CARBON						
TOTAL PHOSPHOROUS						
TOTAL PHENOL						
OIL and GREASE						
CADMIUM						
CHROMIUM						
COPPER						
LEAD						
MERCURY						
NICKEL						
ZINC						
ARSENIC						
BERYLLIUM						
BARIUM						
TOTAL CYANIDE						
pH (STANDARD UNITS)						
RESIDUAL CHLORINE						
TOTAL SODIUM CHLORIDE						
TOTAL AMMONIA						
DIETHYLENE GLYCOL						

PART II

COMPLIANCE MONITORING

The Goodyear Tire & Rubber Company

SIU NAME: _____

61

PERMIT NO.: _____

NO PERMIT VIOLATIONS

VIOLATION PARAMETER	DATE	FLOW [MGD]	SAMPLE POINT LOCATION	ACTUAL* DISCHARGE	PERMIT LIMIT	TYPE** LIMIT VIOLATED

NOTE:

* - Actual discharge – list actual analytical results and appropriate units.

** - Type Limit Violated – List Type:

A.A. = Annual Average

D.M. = Daily Maximum

L.L. = Local Limits (Regulation 1960.5)

QUARTERLY SELF-MONITORING SUMMARY
GROUNDWATER RECOVERY SYSTEM EFFLUENT

FOREST GLEN SUPERFUND SITE
NIAGARA FALLS, NEW YORK

		RW-1 volume 11,952 gallons		RW-2 volume 11,664 gallons		RW-3 volume 6,768 gallons	Total volume 30,384 gallons	
Analyte	RW-1 (3/19/19)	Contribution to loading to POTW	RW-2 (3/19/19)	Contribution to loading to POTW	RW-3 (3/19/19)	Contribution to loading to POTW	Total loading to POTW	
1,1,1-trichloroethane	5 U	0 lbs/day	1.6 J	0.0002 lbs/day	5 U	0 lbs/day	0.0002 lbs/day	0.6142 ug/l
1,1-dichloroethane	0.8 J	0.0001 lbs/day	1.8 J	0.0002 lbs/day	5 U	0 lbs/day	0.0003 lbs/day	1.0175 ug/l
1,1-dichloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
cis-1,2-dichloroethylene	3.5 J	0.0003 lbs/day	13	0.0013 lbs/day	13	0.0007 lbs/day	0.0023 lbs/day	9.2630 ug/l
tetrachloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
trans-1,2-dichloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
trichloroethylene	1.3 J	0.0001 lbs/day	2.1 J	0.0002 lbs/day	5 U	0 lbs/day	0.0003 lbs/day	1.3175 ug/l
vinyl chloride	5 U	0 lbs/day	4.5 J	0.0004 lbs/day	3.1 J	0.0002 lbs/day	0.0006 lbs/day	2.4180 ug/l

Notes
1. Concentrations reported in units of ug/l
2. U - undetected, with detection limit identified
3. J - estimated value

0.03038

	6/19/2018	9/18/2018	11/28/2018	3/19/2019	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	0.7200	0.2407	0.9849	0.6142	0.640
1,1-dichloroethane	1.7874	1.1980	1.9854	1.0175	1.497
1,1-dichloroethylene	0	0	0	0	0.00
cis-1,2-dichloroethylene	24.7581	12.5285	15.2220	9.2630	15.44
tetrachloroethylene	0.2641	0	0	0	0.066
trans-1,2-dichloroethylene	0	0	0	0	0.00
trichloroethylene	0.2113	0	0.5200	1.3175	0.512
vinyl chloride	6.3563	4.2488	4.7565	2.4180	4.445

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0002	0.0001	0.0003	0.0002	0.0002
1,1-dichloroethane	0.0005	0.0004	0.0006	0.0003	0.0005
1,1-dichloroethylene	0	0	0	0	0.0000
cis-1,2-dichloroethylene	0.0069	0.0037	0.0045	0.0023	0.0044
tetrachloroethylene	0.0001	0	0	0	0.00003
trans-1,2-dichloroethylene	0	0	0	0	0.0000
trichloroethylene	0.0001	0	0	0.0003	0.0001
vinyl chloride	0.0018	0.0013	0.0014	0.0006	0.0013

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-150526-1
Client Project/Site: Forest Glen Discharge Analysis

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
3/25/2019 10:19:54 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-150526-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-150526-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-150526-1

Receipt
The samples were received on 3/19/2019 5:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method(s) 624.1: The following Volatile samples were composited by the laboratory on 03/21/2019 as requested by the client: RW-1 LAB COMPOSITE (480-150526-1), RW-2 LAB COMPOSITE (480-150526-6) and RW-3 LAB COMPOSITE (480-150526-11). Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-150526-1

Client Sample ID: RW-1 LAB COMPOSITE — Lab Sample ID: 480-150526-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.83	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	3.5	J	5.0	0.57	ug/L	1		624.1	Total/NA
Trichloroethylene	1.3	J	5.0	0.60	ug/L	1		624.1	Total/NA

Client Sample ID: RW-2 LAB COMPOSITE — Lab Sample ID: 480-150526-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.6	J	5.0	0.39	ug/L	1		624.1	Total/NA
1,1-Dichloroethane	1.8	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	13		5.0	0.57	ug/L	1		624.1	Total/NA
Trichloroethylene	2.1	J	5.0	0.60	ug/L	1		624.1	Total/NA
Vinyl chloride	4.5	J	5.0	0.75	ug/L	1		624.1	Total/NA

Client Sample ID: RW-3 LAB COMPOSITE — Lab Sample ID: 480-150526-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	13		5.0	0.57	ug/L	1		624.1	Total/NA
Vinyl chloride	3.1	J	5.0	0.75	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-150526-1
Date Collected: 03/19/19 10:45
Matrix: Water
Date Received: 03/19/19 17:40

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/21/19 12:23	1
1,1-Dichloroethane	**0.83**	**J**	5.0	0.59	ug/L			03/21/19 12:23	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			03/21/19 12:23	1
cis-1,2-Dichloroethylene	**3.5**	**J**	5.0	0.57	ug/L			03/21/19 12:23	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			03/21/19 12:23	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			03/21/19 12:23	1
Trichloroethylene	**1.3**	**J**	5.0	0.60	ug/L			03/21/19 12:23	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/21/19 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*		*03/21/19 12:23*	*1*
4-Bromofluorobenzene (Surr)	*89*		*76 - 123*		*03/21/19 12:23*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*03/21/19 12:23*	*1*
Toluene-d8 (Surr)	*90*		*77 - 120*		*03/21/19 12:23*	*1*

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-150526-6
Date Collected: 03/19/19 10:45
Matrix: Water
Date Received: 03/19/19 17:40

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.6**	**J**	5.0	0.39	ug/L			03/21/19 12:46	1
1,1-Dichloroethane	**1.8**	**J**	5.0	0.59	ug/L			03/21/19 12:46	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			03/21/19 12:46	1
cis-1,2-Dichloroethylene	**13**		5.0	0.57	ug/L			03/21/19 12:46	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			03/21/19 12:46	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			03/21/19 12:46	1
Trichloroethylene	**2.1**	**J**	5.0	0.60	ug/L			03/21/19 12:46	1
Vinyl chloride	**4.5**	**J**	5.0	0.75	ug/L			03/21/19 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*68 - 130*		*03/21/19 12:46*	*1*
4-Bromofluorobenzene (Surr)	*90*		*76 - 123*		*03/21/19 12:46*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*03/21/19 12:46*	*1*
Toluene-d8 (Surr)	*91*		*77 - 120*		*03/21/19 12:46*	*1*

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-150526-11
Date Collected: 03/19/19 10:45
Matrix: Water
Date Received: 03/19/19 17:40

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/21/19 13:10	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/21/19 13:10	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			03/21/19 13:10	1
cis-1,2-Dichloroethylene	**13**		5.0	0.57	ug/L			03/21/19 13:10	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			03/21/19 13:10	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			03/21/19 13:10	1
Trichloroethylene	ND		5.0	0.60	ug/L			03/21/19 13:10	1
Vinyl chloride	**3.1**	**J**	5.0	0.75	ug/L			03/21/19 13:10	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-150526-1

Client Sample ID: RW-3 LAB COMPOSITE
Date Collected: 03/19/19 10:45
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150526-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		68 - 130		03/21/19 13:10	1
4-Bromofluorobenzene (Surr)	90		76 - 123		03/21/19 13:10	1
Dibromofluoromethane (Surr)	90		75 - 123		03/21/19 13:10	1
Toluene-d8 (Surr)	91		77 - 120		03/21/19 13:10	1

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-150526-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-150526-1	RW-1 LAB COMPOSITE	93	89	90	90
480-150526-6	RW-2 LAB COMPOSITE	92	90	91	91
480-150526-11	RW-3 LAB COMPOSITE	92	90	90	91
LCS 480-463974/5	Lab Control Sample	87	91	89	93
MB 480-463974/7	Method Blank	93	89	90	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-463974/7
Matrix: Water
Analysis Batch: 463974

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/21/19 10:58	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/21/19 10:58	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			03/21/19 10:58	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			03/21/19 10:58	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			03/21/19 10:58	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			03/21/19 10:58	1
Trichloroethylene	ND		5.0	0.60	ug/L			03/21/19 10:58	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/21/19 10:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*		*03/21/19 10:58*	*1*
4-Bromofluorobenzene (Surr)	*89*		*76 - 123*		*03/21/19 10:58*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*03/21/19 10:58*	*1*
Toluene-d8 (Surr)	*92*		*77 - 120*		*03/21/19 10:58*	*1*

Lab Sample ID: LCS 480-463974/5
Matrix: Water
Analysis Batch: 463974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	17.8		ug/L		89	52 - 162
1,1-Dichloroethane	20.0	17.4		ug/L		87	59 - 155
1,1-Dichloroethylene	20.0	18.3		ug/L		92	1 - 234
Tetrachloroethylene	20.0	18.6		ug/L		93	64 - 148
trans-1,2-Dichloroethylene	20.0	17.9		ug/L		89	54 - 156
Trichloroethylene	20.0	18.0		ug/L		90	71 - 157
Vinyl chloride	20.0	17.1		ug/L		86	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*68 - 130*
4-Bromofluorobenzene (Surr)	*91*		*76 - 123*
Dibromofluoromethane (Surr)	*89*		*75 - 123*
Toluene-d8 (Surr)	*93*		*77 - 120*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-150526-1

GC/MS VOA

Analysis Batch: 463974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150526-1	RW-1 LAB COMPOSITE	Total/NA	Water	624.1	
480-150526-6	RW-2 LAB COMPOSITE	Total/NA	Water	624.1	
480-150526-11	RW-3 LAB COMPOSITE	Total/NA	Water	624.1	
MB 480-463974/7	Method Blank	Total/NA	Water	624.1	
LCS 480-463974/5	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-150526-1

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-150526-1
Matrix: Water
Date Collected: 03/19/19 10:45
Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	463974	03/21/19 12:23	LCH	TAL BUF

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-150526-6
Matrix: Water
Date Collected: 03/19/19 10:45
Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	463974	03/21/19 12:46	LCH	TAL BUF

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-150526-11
Matrix: Water
Date Collected: 03/19/19 10:45
Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	463974	03/21/19 13:10	LCH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-150526-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-150526-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

TestAmerica Job ID: 480-150526-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-150526-1	RW-1 LAB COMPOSITE	Water	03/19/19 10:45	03/19/19 17:40
480-150526-6	RW-2 LAB COMPOSITE	Water	03/19/19 10:45	03/19/19 17:40
480-150526-11	RW-3 LAB COMPOSITE	Water	03/19/19 10:45	03/19/19 17:40

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Koennecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-127137-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Discharge Analysis	Project #: 48002806			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		TO BE Composited By LABS
RW-1 031819	3-18-19	11:50	G	Water			3		
RW-2 031819	3-18-19	11:50	G	Water			3		
RW-3 031819	3-18-19	11:50	G	Water			3		
RW-1 031819	3-18-19	14:00	G				3		
RW-2 031819	3-18-19	14:00	G				3		
RW-3 031819	3-18-19	14:00	G				3		
RW-1 031919	3-19-19	730	G				3		
RW-2 031919	3-19-19	730	G				3		
RW-3 031919	3-19-19	730	G				3		


480-150526 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3-19-19 / 17:40	OBG	[signature]	03/19/19 1746	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		3.0 #1 ICE

Ver: 01/16/2019

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Kennedy	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-127137-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-479-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis Requested
City: East Syracuse	TAT Requested (days):	
State, Zip: NY, 13221		
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246	
Email: Yuri.Veliz@obg.com	WO #:	
Project Name: Forest Glen Discharge Analysis	Project #: 48002806	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 031919	3-19-19	10:45	G	Water			3		
RW-2 031919	3-19-19	10:45	G	Water			3		
RW-3 031919	3-19-19	10:45	G	Water			3		

TUBES COMPLETED BY LHB

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3-19-19 / 1740	OBG	[signature]	03/19/19 1740	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6 #1 ICE

Ver: 01/16/2019

3/25/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-150526-1

Login Number: 150526
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	NA: Check done at department level as required

September 6, 2019

Mr. Joel Paradise
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, New York 14304

RE: Significant Industrial User (SIU)
Permit No. 61 for Forest Glen Site
FILE: Quarterly Monitoring Report (Period ending August 31, 2019)

Dear Mr. Paradise:

This quarterly monitoring report for the period between June 1, 2019 and August 31, 2019 is provided for the groundwater recovery and discharge system (the "system") constructed at the Forest Glen Superfund Site in Niagara Falls, New York. The Goodyear Tire & Rubber Company (Goodyear) owns and operates the system, as agent for the Forest Glen Site Trust, under the Significant Industrial User (SIU) Permit No. 61 issued by the Niagara Falls Water Board (NFWB) on September 5, 2018.

The groundwater recovery system comprises the following:

- Three groundwater recovery wells (RW-1, RW-2 and RW-3) located at the Forest Glen Site.
- An off-site electrical enclosure at Regulator No. 6C, on Hyde Park Avenue in Niagara Falls, housing a power disconnect switch, overflow level sensor, and remote monitoring unit (RMU).

During the quarter between June 1, 2019 and August 31, 2019, a total of 2,665,289 gallons of groundwater were recovered and discharged to the sanitary sewer for treatment at the Niagara Falls publicly owned treatment works (POTW), and in accordance with SIU Permit No. 61 Goodyear conducted self-monitoring of the flow. The monitoring included collection of four separate grab samples from June 19 to June 20, 2019 from recovery wells RW-1, RW-2 and RW-3.

The four grab samples collected from the recovery wells were delivered to Test America, Inc. in Amherst, NY where they were composited and analyzed for volatile organic compounds (VOCs) including vinyl chloride, 1,1-dichloroethylene, 1,2-dichloroethylene (cis and trans), 1,1-dichloroethane, trichloroethylene, tetrachloroethylene and 1,1,1-trichloroethane using USEPA method 624. The results of the analyses are summarized in the attached Self-Monitoring Report, which presents the concentration for each well based on the composite samples. The Test America laboratory reports are provided in the attached Self-Monitoring Report.

As required by the SIU permit, the results of the self-monitoring were used to calculate daily loading to the POTW. Based on the results, there were no permit limit violations for the quarter and the loads to the POTW were below the established limits.

Per section E3c of SIU Permit No. 61, a manual check of the Regulator 6C alarm system was conducted on June 21, 2019 and found to be operational.

If you have any questions concerning this report, please do not hesitate to call me at (315) 956-6836.

Very truly yours,
O'BRIEN & GERE ENGINEERS, INC.

James M. Cavotta
Project Manager

I:\Goodyear.5540\70165.Forest-Glen-201\Corres\NFWB Quarterly Reports\2019\3Q19\August_2019_Quarterly_Report_Ltr-.docx

cc: E. Gloeckler – The Goodyear Tire & Rubber Company
M. Walters – United States Environmental Protection Agency
J. Gaylord – New York State Department of Environmental Conservation

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. _____61__ QUARTER ___ August 31, 2019_____

INDUSTRY NAME: ____The Goodyear Tire & Rubber Company_____

Pursuant to federal pretreatment reporting requirements and the Niagara Falls Water Board Regulations Part 1960, Significant Industrial Users shall submit periodic self-monitoring and compliance reports. Such reports shall be submitted using this form, according to the following schedule:

Quarterly	-	1st Quarter by February 28th
	-	2nd Quarter by May 31st
	-	3rd Quarter by August 31st
	-	4th Quarter by November 30th
Semi-Annual	-	by February 28th and
	-	by August 31st

Each section of this report form shall be filled out for those parameters listed in Section "G" of the company's Wastewater Discharge Permit. The analysis results must be reported in both concentration and mass. In addition, the calculated annual average load (lbs/day) for each pollutant shall also be reported.

The samples shall be collected at the monitoring points identified in the user permit. Identification of those points in this report should be as listed on page two (2) of the User Permit.

SELF-MONITORING REPORT
Significant Industrial Users (SIUs)

PAGE 2

PART II of the report is the Compliance Monitoring section. The user is obligated to determine if the analysis results indicates compliance. All violations noted should be brought to the Niagara Falls Water Board – Wastewater Facilities attention immediately upon noting and should also be reported in this section. The analysis result should be compared against all applicable federal, state and local standards and limitations. If no violations are noted then **"NO VIOLATIONS"** should appear on the report.

Pursuant to 40 CFR Part 403.12g of the Federal Standards, all violations noted must be followed up by a sample recollect/analysis and the results submitted to the Niagara Falls Water Board within thirty (30) days of first becoming aware of the violation.

Pursuant to 40 CFR Part 403.12g all Periodic Self-Monitoring Reports must be signed by a "responsible company official" certifying the following statement:

> I, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: Jeffrey Simmons

Title: Global Remediation Manager

Date: July 30, 2019

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 6/20/19						
24-HOUR FLOW IN MGD *						0.020
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – DICHLOROETHYLENE	2.5 J	37	30	0.004	15.121	0.0036
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	5 U	0	0	0
TOLUENE						
1,1,1 – TRICHLOROETHANE	5 U	5 U	5 U	0	0.46	0.0002
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	0.7 J	2.6 J	5 U	0.0002	0.801	0.0001
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	5 U	7.0 J	9.4	0.0009	4.13	0.0011
TETRAHYDRAFURAN						
XYLENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 6/20/19						
24-HOUR FLOW IN MGD						0.020
DIMETHYLPHTHALATE						
BUTYL BENZYL PHTHALATE						
Di-N-BUTHY PHTHALATE						
Di-N-OCTYL PHTHALATE						
DIETHYL PHTHALATE						
NITROSODIPHENYLAMINE						
DICHLOROBENZENES						
DICHLOROTOLUENE						
ACENAPHTHENE						
FLUORANTHENE						
CHRYSENE						
NAPHTHALENE						
BENZO (a) ANTHRACENE						
PYRENE						
TRICHLOROBENZENE						
TRICHLOROTOLUENE						
HEXACHLOROBUTADIENE						
TETRACHLOROBENZENE						
HEXACHLOROCYCLOPENTADIENE						
HEXCHLOROBENZENE						
DICHLOROBENZOTRIFLUORIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 6/20/19						
24-HOUR FLOW IN MGD						0.020
PHENANTHRENE						
MONOCHLOROPHENOL						
DICHLOROPHENOL						
MONOCHLOROCRESOL						
TRICHLOROPHENOL						
PENTACHLOROPHENOL						
HEXACHLOROCYCLOHEXANES						
PCB's						
ENDOSULFAN I +						
ENDOSULFAN II +						
ENDOSULFAN SULFATE						
MIREX						
DECHLORANE PLUS						
HEPTACHLOR +						
HEPTACHLOR EPOXIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 6/20/19						
24-HOUR FLOW IN MGD *						0.020
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	5 U	5 U	5 U	0	0.46	0.0002
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	1.4 J	2.6 J	5 U	0.0003	1.453	0.0004
1,1,2 – TRICHLOROETHANE						
CHLOROETHANE						
1,2 – DICHLOROBENZENE						
1,3 – DICHLOROBENZENE						
1,4 – DICHLOROBENZENE						
1,1 DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – TRANS-DICHLOROETHYLENE						
1,3 – DICHLOROPROPYLENE						
METHYL CHLORIDE						
NITROBENZENE						
2 – NITROPHENOL						
4 – NITROPHENOL						
4,6 DINITRO-O-CRESOL						
BIS [2 – ETHYHEXYL] PHTHALATE						
ANTHRACENE						
DIETHYL PHTHALATE						
FLUORENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 6/20/19						
24-HOUR FLOW IN MGD *						0.020
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	5 U	7.0 J	9.4	0.0009	4.13	0.0011
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE	0.7 J	2.6 J	5 U	0.0002	0.801	0.0001
TOTAL CYANIDE						
TOTAL LEAD						
TOTAL ZINC						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 6/20/19						
24-HOUR FLOW IN MGD						0.020
TOTAL SUSPENDED SOLIDS						
SOLUABLE ORGANIC CARBON						
TOTAL PHOSPHOROUS						
TOTAL PHENOL						
OIL and GREASE						
CADMIUM						
CHROMIUM						
COPPER						
LEAD						
MERCURY						
NICKEL						
ZINC						
ARSENIC						
BERYLLIUM						
BARIUM						
TOTAL CYANIDE						
pH (STANDARD UNITS)						
RESIDUAL CHLORINE						
TOTAL SODIUM CHLORIDE						
TOTAL AMMONIA						
DIETHYLENE GLYCOL						

PART II

COMPLIANCE MONITORING

The Goodyear Tire & Rubber Company

SIU NAME: _____

61

PERMIT NO.: _____

NO PERMIT VIOLATIONS

VIOLATION PARAMETER	DATE	FLOW [MGD]	SAMPLE POINT LOCATION	ACTUAL* DISCHARGE	PERMIT LIMIT	TYPE** LIMIT VIOLATED

NOTE:

* - Actual discharge – list actual analytical results and appropriate units.

** - Type Limit Violated – List Type:

A.A. = Annual Average

D.M. = Daily Maximum

L.L. = Local Limits (Regulation 1960.5)

QUARTERLY SELF-MONITORING SUMMARY
GROUNDWATER RECOVERY SYSTEM EFFLUENT

FOREST GLEN SUPERFUND SITE
NIAGARA FALLS, NEW YORK

		RW-1 volume 7,056 gallons		RW-2 volume 8,784 gallons		RW-3 volume 4,464 gallons	Total volume 20,304 gallons	
Analyte	RW-1 (6/20/19)	Contribution to loading to POTW	RW-2 (6/20/19)	Contribution to loading to POTW	RW-3 (6/20/19)	Contribution to loading to POTW	Total loading to POTW	
1,1,1-trichloroethane	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0.0000 lbs/day	0.0000 ug/l
1,1-dichloroethane	1.4 J	0.0001 lbs/day	2.6 J	0.0002 lbs/day	5 U	0 lbs/day	0.0003 lbs/day	1.6113 ug/l
1,1-dichloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
cis-1,2-dichloroethylene	2.5 J	0.0001 lbs/day	37	0.0027 lbs/day	30	0.0011 lbs/day	0.0040 lbs/day	23.4716 ug/l
tetrachloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
trans-1,2-dichloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
trichloroethylene	0.7 J	0.0000 lbs/day	2.6 J	0.0002 lbs/day	5 U	0 lbs/day	0.0002 lbs/day	1.3681 ug/l
vinyl chloride	5 U	0 lbs/day	7.0 J	0.0005 lbs/day	9.4	0.0004 lbs/day	0.0009 lbs/day	5.0950 ug/l

Notes
1. Concentrations reported in units of ug/l
2. U - undetected, with detection limit identified
3. J - estimated value

	9/18/2018	11/28/2018	3/19/2019	6/20/2019	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	0.2407	0.9849	0.6142	0	0.460
1,1-dichloroethane	1.1980	1.9854	1.0175	1.6113	1.453
1,1-dichloroethylene	0	0	0	0	0.000
cis-1,2-dichloroethylene	12.5285	15.2220	9.2630	23.4716	15.121
tetrachloroethylene	0	0	0	0	0.000
trans-1,2-dichloroethylene	0	0	0	0	0.000
trichloroethylene	0	0.5200	1.3175	1.3681	0.801
vinyl chloride	4.2488	4.7565	2.4180	5.0950	4.130

Analyte	lb/day	lb/day	lb/day	6/20/2019	lbs/day
1,1,1-trichloroethane	0.0001	0.0003	0.0002	0	0.0002
1,1-dichloroethane	0.0004	0.0006	0.0003	0.0003	0.0004
1,1-dichloroethylene	0	0	0	0	0.0000
cis-1,2-dichloroethylene	0.0037	0.0045	0.0023	0.004	0.0036
tetrachloroethylene	0	0	0	0	0.0000
trans-1,2-dichloroethylene	0	0	0	0	0.0000
trichloroethylene	0	0	0.0003	0.0002	0.0001
vinyl chloride	0.0013	0.0014	0.0006	0.0009	0.0011

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-155336-1
Client Project/Site: Forest Glen Discharge Analysis

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
6/28/2019 7:24:01 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155336-1
Project/Site: Forest Glen Discharge Analysis

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155336-1

Job ID: 480-155336-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-155336-1

Receipt
The samples were received on 6/20/2019 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 624.1: The following Volatile sample(s) was composited by the laboratory on 5/25/19 as requested by the client: RW-1 Composite (480-155336-5). Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155336-1
Project/Site: Forest Glen Discharge Analysis

Client Sample ID: RW-1 Composite
Lab Sample ID: 480-155336-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.4	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	2.5	J	5.0	0.57	ug/L	1		624.1	Total/NA
Trichloroethylene	0.70	J	5.0	0.60	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155336-1

Client Sample ID: RW-1 Composite
Date Collected: 06/20/19 08:20
Date Received: 06/20/19 17:10

Lab Sample ID: 480-155336-5
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/25/19 19:26	1
1,1-Dichloroethane	**1.4**	**J**	5.0	0.59	ug/L			06/25/19 19:26	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/25/19 19:26	1
cis-1,2-Dichloroethylene	**2.5**	**J**	5.0	0.57	ug/L			06/25/19 19:26	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/25/19 19:26	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/25/19 19:26	1
Trichloroethylene	**0.70**	**J**	5.0	0.60	ug/L			06/25/19 19:26	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/25/19 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*		*06/25/19 19:26*	*1*
4-Bromofluorobenzene (Surr)	*112*		*76 - 123*		*06/25/19 19:26*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*06/25/19 19:26*	*1*
Toluene-d8 (Surr)	*102*		*77 - 120*		*06/25/19 19:26*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155336-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-155336-5	RW-1 Composite	93	112	95	102
LCS 480-479403/5	Lab Control Sample	88	113	94	103
MB 480-479403/7	Method Blank	90	114	97	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155336-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-479403/7
Matrix: Water
Analysis Batch: 479403

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/25/19 11:34	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/25/19 11:34	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/25/19 11:34	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			06/25/19 11:34	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/25/19 11:34	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/25/19 11:34	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/25/19 11:34	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/25/19 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*68 - 130*		*06/25/19 11:34*	*1*
4-Bromofluorobenzene (Surr)	*114*		*76 - 123*		*06/25/19 11:34*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*06/25/19 11:34*	*1*
Toluene-d8 (Surr)	*103*		*77 - 120*		*06/25/19 11:34*	*1*

Lab Sample ID: LCS 480-479403/5
Matrix: Water
Analysis Batch: 479403

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	52 - 162
1,1-Dichloroethane	20.0	21.3		ug/L		107	59 - 155
1,1-Dichloroethylene	20.0	21.1		ug/L		105	1 - 234
Tetrachloroethylene	20.0	21.1		ug/L		105	64 - 148
trans-1,2-Dichloroethylene	20.0	20.6		ug/L		103	54 - 156
Trichloroethylene	20.0	20.7		ug/L		104	71 - 157
Vinyl chloride	20.0	24.0		ug/L		120	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*68 - 130*
4-Bromofluorobenzene (Surr)	*113*		*76 - 123*
Dibromofluoromethane (Surr)	*94*		*75 - 123*
Toluene-d8 (Surr)	*103*		*77 - 120*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155336-1

GC/MS VOA

Analysis Batch: 479403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155336-5	RW-1 Composite	Total/NA	Water	624.1	
MB 480-479403/7	Method Blank	Total/NA	Water	624.1	
LCS 480-479403/5	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-155336-1
Project/Site: Forest Glen Discharge Analysis

Client Sample ID: RW-1 Composite
Lab Sample ID: 480-155336-5
Date Collected: 06/20/19 08:20
Matrix: Water
Date Received: 06/20/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	479403	06/25/19 19:26	S1V	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155336-1
Project/Site: Forest Glen Discharge Analysis

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155336-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155336-1
Project/Site: Forest Glen Discharge Analysis

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-155336-5	RW-1 Composite	Water	06/20/19 08:20	06/20/19 17:10	

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information	Sampler: MARTIN KOENNECKE	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-131634-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 3
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis Requested	Preservation Codes:
City: East Syracuse	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 13221			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246		Other:
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Forest Glen Discharge Analysis	Project #: 48002806		
Site:	SSOW#:		

480-155336 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 061919	6-19-19	9:30	G	Water			3		To Be Composited By LABS
RW-1 061919	6-19-19	1450	G	Water			3		
RW-1 062019	6-20-19	7:30	G	Water			3		
RW-1 062019	6-20-19	8:20	G	water			3		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Martin Koennecke	Date/Time: 6-20-19 / 17:10	Company: OBG	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6-20-19 1710	Company: TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.0 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-155336-1

Login Number: 155336

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-155338-1
Client Project/Site: Forest Glen Discharge Analysis

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
6/28/2019 7:30:43 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155338-1
Project/Site: Forest Glen Discharge Analysis

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-155338-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-155338-1

Receipt
The samples were received on 6/20/2019 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 624.1: The following Volatile sample(s) was composited by the laboratory on 5/25/19 as requested by the client: RW-2 Composite (480-155338-5). Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155338-1

Client Sample ID: RW-2 Composite

Lab Sample ID: 480-155338-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.6	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	37		5.0	0.57	ug/L	1		624.1	Total/NA
Trichloroethylene	2.6	J	5.0	0.60	ug/L	1		624.1	Total/NA
Vinyl chloride	7.0		5.0	0.75	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155338-1

Client Sample ID: RW-2 Composite
Date Collected: 06/20/19 08:20
Date Received: 06/20/19 17:10

Lab Sample ID: 480-155338-5
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/25/19 19:49	1
1,1-Dichloroethane	**2.6**	**J**	5.0	0.59	ug/L			06/25/19 19:49	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/25/19 19:49	1
cis-1,2-Dichloroethylene	**37**		5.0	0.57	ug/L			06/25/19 19:49	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/25/19 19:49	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/25/19 19:49	1
Trichloroethylene	**2.6**	**J**	5.0	0.60	ug/L			06/25/19 19:49	1
Vinyl chloride	**7.0**		5.0	0.75	ug/L			06/25/19 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*68 - 130*		*06/25/19 19:49*	*1*
4-Bromofluorobenzene (Surr)	*111*		*76 - 123*		*06/25/19 19:49*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*06/25/19 19:49*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*06/25/19 19:49*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155338-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-155338-5	RW-2 Composite	89	111	96	101
LCS 480-479403/5	Lab Control Sample	88	113	94	103
MB 480-479403/7	Method Blank	90	114	97	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155338-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-479403/7
Matrix: Water
Analysis Batch: 479403

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/25/19 11:34	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/25/19 11:34	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/25/19 11:34	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			06/25/19 11:34	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/25/19 11:34	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/25/19 11:34	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/25/19 11:34	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/25/19 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*68 - 130*		*06/25/19 11:34*	*1*
4-Bromofluorobenzene (Surr)	*114*		*76 - 123*		*06/25/19 11:34*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*06/25/19 11:34*	*1*
Toluene-d8 (Surr)	*103*		*77 - 120*		*06/25/19 11:34*	*1*

Lab Sample ID: LCS 480-479403/5
Matrix: Water
Analysis Batch: 479403

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	52 - 162
1,1-Dichloroethane	20.0	21.3		ug/L		107	59 - 155
1,1-Dichloroethylene	20.0	21.1		ug/L		105	1 - 234
Tetrachloroethylene	20.0	21.1		ug/L		105	64 - 148
trans-1,2-Dichloroethylene	20.0	20.6		ug/L		103	54 - 156
Trichloroethylene	20.0	20.7		ug/L		104	71 - 157
Vinyl chloride	20.0	24.0		ug/L		120	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*68 - 130*
4-Bromofluorobenzene (Surr)	*113*		*76 - 123*
Dibromofluoromethane (Surr)	*94*		*75 - 123*
Toluene-d8 (Surr)	*103*		*77 - 120*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155338-1

GC/MS VOA

Analysis Batch: 479403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155338-5	RW-2 Composite	Total/NA	Water	624.1	
MB 480-479403/7	Method Blank	Total/NA	Water	624.1	
LCS 480-479403/5	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-155338-1
Project/Site: Forest Glen Discharge Analysis

Client Sample ID: RW-2 Composite
Lab Sample ID: 480-155338-5
Date Collected: 06/20/19 08:20
Matrix: Water
Date Received: 06/20/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	479403	06/25/19 19:49	S1V	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155338-1
Project/Site: Forest Glen Discharge Analysis

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155338-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155338-1
Project/Site: Forest Glen Discharge Analysis

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-155338-5	RW-2 Composite	Water	06/20/19 08:20	06/20/19 17:10	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MARTIN Koenneke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-131634-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 3
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis Requested	Preservation Codes:
City: East Syracuse	TAT Requested (days):		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)
State, Zip: NY, 13221			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Forest Glen Discharge Analysis	Project #: 48002806		
Site:	SSOW#:		

480-155338 Chain of Custody

.cid

L - EDA

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-2 061919	6-19-19	9:30	G	Water			3		To Be composited By LABS
RW-2 061919	6-19-19	1450	G	Water			3		
RW-2 062019	6-20-19	7:30	G	Water			3		
RW-2 062019	6-20-19	8:20	G	WATER			3		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koenneke	6-20-19 / 17:10	OBG			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				6-20-19 1710	TAB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.0 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-155338-1

Login Number: 155338

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-155339-1
Client Project/Site: Forest Glen Discharge Analysis

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
6/28/2019 7:35:44 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155339-1
Project/Site: Forest Glen Discharge Analysis

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-155339-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-155339-1

Receipt
The samples were received on 6/25/2019 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 624.1: The following Volatile sample(s) was composited by the laboratory on 5/25/19 as requested by the client: RW-3 Composite (480-155339-5). Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155339-1

Client Sample ID: RW-3 Composite

Lab Sample ID: 480-155339-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	30		5.0	0.57	ug/L	1		624.1	Total/NA
Vinyl chloride	9.4		5.0	0.75	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155339-1

Client Sample ID: RW-3 Composite
Date Collected: 06/20/19 08:20
Date Received: 06/25/19 17:10

Lab Sample ID: 480-155339-5
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/25/19 20:13	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/25/19 20:13	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/25/19 20:13	1
cis-1,2-Dichloroethylene	**30**		5.0	0.57	ug/L			06/25/19 20:13	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/25/19 20:13	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/25/19 20:13	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/25/19 20:13	1
Vinyl chloride	**9.4**		5.0	0.75	ug/L			06/25/19 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*		*06/25/19 20:13*	*1*
4-Bromofluorobenzene (Surr)	*112*		*76 - 123*		*06/25/19 20:13*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*06/25/19 20:13*	*1*
Toluene-d8 (Surr)	*102*		*77 - 120*		*06/25/19 20:13*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155339-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-155339-5	RW-3 Composite	93	112	97	102
LCS 480-479403/5	Lab Control Sample	88	113	94	103
MB 480-479403/7	Method Blank	90	114	97	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155339-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-479403/7
Matrix: Water
Analysis Batch: 479403

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/25/19 11:34	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/25/19 11:34	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/25/19 11:34	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			06/25/19 11:34	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/25/19 11:34	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/25/19 11:34	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/25/19 11:34	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/25/19 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*68 - 130*		*06/25/19 11:34*	*1*
4-Bromofluorobenzene (Surr)	*114*		*76 - 123*		*06/25/19 11:34*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*06/25/19 11:34*	*1*
Toluene-d8 (Surr)	*103*		*77 - 120*		*06/25/19 11:34*	*1*

Lab Sample ID: LCS 480-479403/5
Matrix: Water
Analysis Batch: 479403

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	52 - 162
1,1-Dichloroethane	20.0	21.3		ug/L		107	59 - 155
1,1-Dichloroethylene	20.0	21.1		ug/L		105	1 - 234
Tetrachloroethylene	20.0	21.1		ug/L		105	64 - 148
trans-1,2-Dichloroethylene	20.0	20.6		ug/L		103	54 - 156
Trichloroethylene	20.0	20.7		ug/L		104	71 - 157
Vinyl chloride	20.0	24.0		ug/L		120	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*68 - 130*
4-Bromofluorobenzene (Surr)	*113*		*76 - 123*
Dibromofluoromethane (Surr)	*94*		*75 - 123*
Toluene-d8 (Surr)	*103*		*77 - 120*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155339-1

GC/MS VOA

Analysis Batch: 479403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155339-5	RW-3 Composite	Total/NA	Water	624.1	
MB 480-479403/7	Method Blank	Total/NA	Water	624.1	
LCS 480-479403/5	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-155339-1
Project/Site: Forest Glen Discharge Analysis

Client Sample ID: RW-3 Composite
Lab Sample ID: 480-155339-5
Date Collected: 06/20/19 08:20
Matrix: Water
Date Received: 06/25/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	479403	06/25/19 20:13	S1V	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155339-1
Project/Site: Forest Glen Discharge Analysis

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-155339-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155339-1
Project/Site: Forest Glen Discharge Analysis

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-155339-5	RW-3 Composite	Water	06/20/19 08:20	06/25/19 17:10	

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Martin Koenneke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-131634-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 3 of 3
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis Requested	Preservation Codes:
City: East Syracuse	TAT Requested (days):		A - HCL M - Hexane H N - None cetate O - AsNaO2 Acid P - Na2O4S iO4 Q - Na2SO3 f R - Na2S2O3 lor S - H2SO4 bic Acid T - TSP Dodecahydrate U - Acetone ter V - MCAA W - pH 4-5 L - EDA Z - other (specify)
State, Zip: NY, 13221			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246		Other:
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Forest Glen Discharge Analysis	Project #: 48002806		
Site:	SSOW#:		

480-155339 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of conta	Special Instructions/Note:
			Preservation Code:				A		
RW-3 061919	6-19-19	9:30	G	Water			3		To Be Composited By LABS
RW-3 061919	6-19-19	14:50	G	Water			3		
RW-3 062019	6-20-19	7:30	G	Water			3		
RW-3 062019	6-20-19	8:20	G	WATER			3		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koenneke	6-20-19 / 17:10	OBG			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6-20-19 1710	Company TALS

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-155339-1

Login Number: 155339

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

RAMBOLL

ENVIRONMENT
& HEALTH

Mr. Joel Paradise
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, New York 14304

Date December 12, 2019

Significant Industrial User (SIU) Permit No. 61 for Forest Glen Site – Quarterly Monitoring Report (Period ending November 30, 2019)

Dear Mr. Paradise:

This quarterly monitoring report for the period between September 1, 2019 and November 30, 2019 is provided for the groundwater recovery and discharge system (the "system") constructed at the Forest Glen Superfund Site in Niagara Falls, New York. The Goodyear Tire & Rubber Company (Goodyear) owns and operates the system, as agent for the Forest Glen Site Trust, under the Significant Industrial User (SIU) Permit No. 61 issued by the Niagara Falls Water Board (NFWB) on September 5, 2018.

Ramboll
333 West Washington Street
Syracuse, NY 13202
USA

T 315-956-6100
F 315-463-7554
https://ramboll.com

The groundwater recovery system comprises the following:

- Three groundwater recovery wells (RW-1, RW-2 and RW-3) located at the Forest Glen Site.
- An off-site electrical enclosure at Regulator No. 6C, on Hyde Park Avenue in Niagara Falls, housing a power disconnect switch, overflow level sensor, and remote monitoring unit (RMU).

During the quarter between September 1, 2019 and November 30, 2019, a total of 3,525,212 gallons of groundwater were recovered and discharged to the sanitary sewer for treatment at the Niagara Falls publicly owned treatment works (POTW), and in accordance with SIU Permit No. 61 Goodyear conducted self-monitoring of the flow. The monitoring included collection of four separate grab samples from September 23 to September 24, 2019 from recovery wells RW-1, RW-2 and RW-3.

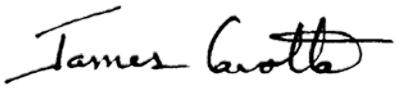
The four grab samples collected from the recovery wells were delivered to Test America, Inc. in Amherst, NY where they were composited and analyzed for volatile organic compounds (VOCs) including vinyl chloride, 1,1-dichloroethylene, 1,2-dichloroethylene (cis and trans), 1,1-dichloroethane, trichloroethylene, tetrachloroethylene and 1,1,1-trichloroethane using USEPA method 624. The results of the analyses are summarized in the attached Self-Monitoring Report, which presents the concentration for each well based on the composite samples. The Test America laboratory reports are provided in the attached Self-Monitoring Report.

As required by the SIU permit, the results of the self-monitoring were used to calculate daily loading to the POTW. Based on the results, there were no permit limit violations for the quarter and the loads to the POTW were below the established limits.

Per section E3c of SIU Permit No. 61, a manual check of the Regulator 6C alarm system was conducted on September 26, 2019 and found to be operational.

If you have any questions concerning this report, please do not hesitate to call me at (315) 956-6836.

Yours sincerely,



James Cavotta
PROJECT MANAGER-1
657-E&H PM RESOURCES

D 315-956-6836
M 315-575-0729
james.cavotta@ramboll.com

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. 61 QUARTER November 30, 2019

INDUSTRY NAME: The Goodyear Tire & Rubber Company

Pursuant to federal pretreatment reporting requirements and the Niagara Falls Water Board Regulations Part 1960, Significant Industrial Users shall submit periodic self-monitoring and compliance reports. Such reports shall be submitted using this form, according to the following schedule:

Quarterly	-	1st Quarter by February 28th
	-	2nd Quarter by May 31st
	-	3rd Quarter by August 31st
	-	4th Quarter by November 30th
Semi-Annual	-	by February 28th and
	-	by August 31st

Each section of this report form shall be filled out for those parameters listed in Section "G" of the company's Wastewater Discharge Permit. The analysis results must be reported in both concentration and mass. In addition, the calculated annual average load (lbs/day) for each pollutant shall also be reported.

The samples shall be collected at the monitoring points identified in the user permit. Identification of those points in this report should be as listed on page two (2) of the User Permit.

SELF-MONITORING REPORT
Significant Industrial Users (SIUs)

PAGE 2

PART II of the report is the Compliance Monitoring section. The user is obligated to determine if the analysis results indicates compliance. All violations noted should be brought to the Niagara Falls Water Board – Wastewater Facilities attention immediately upon noting and should also be reported in this section. The analysis result should be compared against all applicable federal, state and local standards and limitations. If no violations are noted then **"NO VIOLATIONS"** should appear on the report.

Pursuant to 40 CFR Part 403.12g of the Federal Standards, all violations noted must be followed up by a sample recollect/analysis and the results submitted to the Niagara Falls Water Board within thirty (30) days of first becoming aware of the violation.

Pursuant to 40 CFR Part 403.12g all Periodic Self-Monitoring Reports must be signed by a "responsible company official" certifying the following statement:

> I, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: Jeffrey A Simon

Title: Snr Manager, Global Remediation

Date: November 1, 2019

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 9/24/19						
24-HOUR FLOW IN MGD *						0.039
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5.0 U	5.0 U	5.0 U			
1,2 – DICHLOROETHYLENE	32	3.7 J	27			
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5.0 U	5.0 U	0.68 J			
TOLUENE						
1,1,1 – TRICHLOROETHANE	1.7 J	5.0 U	5.0 U			
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	0.71 J	5.0 U	5.0 U			
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	10	3.1 J	6.1			
TETRAHYDRAFURAN						
XYLENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 9/24/19						
24-HOUR FLOW IN MGD						0.039
DIMETHYLPHTHALATE						
BUTYL BENZYL PHTHALATE						
Di-N-BUTHY PHTHALATE						
Di-N-OCTYL PHTHALATE						
DIETHYL PHTHALATE						
NITROSODIPHENYLAMINE						
DICHLOROBENZENES						
DICHLOROTOLUENE						
ACENAPHTHENE						
FLUORANTHENE						
CHRYSENE						
NAPHTHALENE						
BENZO (a) ANTHRACENE						
PYRENE						
TRICHLOROBENZENE						
TRICHLOROTOLUENE						
HEXACHLOROBUTADIENE						
TETRACHLOROBENZENE						
HEXACHLOROCYCLOPENTADIENE						
HEXCHLOROBENZENE						
DICHLOROBENZOTRIFLUORIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 9/24/19						
24-HOUR FLOW IN MGD						0.039
PHENANTHRENE						
MONOCHLOROPHENOL						
DICHLOROPHENOL						
MONOCHLOROCRESOL						
TRICHLOROPHENOL						
PENTACHLOROPHENOL						
HEXACHLOROCYCLOHEXANES						
PCB's						
ENDOSULFAN I +						
ENDOSULFAN II +						
ENDOSULFAN SULFATE						
MIREX						
DECHLORANE PLUS						
HEPTACHLOR +						
HEPTACHLOR EPOXIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 9/24/19						
24-HOUR FLOW IN MGD *						0.039
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	1.7 J	5.0 U	5.0 U			
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	3.6 J	0.74 J	5.0 U			
1,1,2 – TRICHLOROETHANE						
CHLOROETHANE						
1,2 – DICHLOROBENZENE						
1,3 – DICHLOROBENZENE						
1,4 – DICHLOROBENZENE						
1,1 DICHLOROETHYLENE	5.0 U	5.0 U	5.0 U			
1,2 – TRANS-DICHLOROETHYLENE						
1,3 – DICHLOROPROPYLENE						
METHYL CHLORIDE						
NITROBENZENE						
2 – NITROPHENOL						
4 – NITROPHENOL						
4,6 DINITRO-O-CRESOL						
BIS [2 – ETHYHEXYL] PHTHALATE						
ANTHRACENE						
DIETHYL PHTHALATE						
FLUORENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 9/24/19						
24-HOUR FLOW IN MGD *						0.039
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	10	3.1 J	6.1			
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE	0.71 J	5.0 U	5.0 U			
TOTAL CYANIDE						
TOTAL LEAD						
TOTAL ZINC						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 9/24/19						
24-HOUR FLOW IN MGD						0.039
TOTAL SUSPENDED SOLIDS						
SOLUABLE ORGANIC CARBON						
TOTAL PHOSPHOROUS						
TOTAL PHENOL						
OIL and GREASE						
CADMIUM						
CHROMIUM						
COPPER						
LEAD						
MERCURY						
NICKEL						
ZINC						
ARSENIC						
BERYLLIUM						
BARIUM						
TOTAL CYANIDE						
pH (STANDARD UNITS)						
RESIDUAL CHLORINE						
TOTAL SODIUM CHLORIDE						
TOTAL AMMONIA						
DIETHYLENE GLYCOL						

PART II

COMPLIANCE MONITORING

The Goodyear Tire & Rubber Company

SIU NAME: _____

61

PERMIT NO.: _____

NO PERMIT VIOLATIONS

VIOLATION PARAMETER	DATE	FLOW [MGD]	SAMPLE POINT LOCATION	ACTUAL* DISCHARGE	PERMIT LIMIT	TYPE** LIMIT VIOLATED

NOTE:

* - Actual discharge – list actual analytical results and appropriate units.

** - Type Limit Violated – List Type:

A.A. = Annual Average

D.M. = Daily Maximum

L.L. = Local Limits (Regulation 1960.5)

QUARTERLY SELF-MONITORING SUMMARY
GROUNDWATER RECOVERY SYSTEM EFFLUENT

FOREST GLEN SUPERFUND SITE
NIAGARA FALLS, NEW YORK

		RW-1 volume 14,976 gallons		RW-2 volume 17,568 gallons		RW-3 volume 6,768 gallons	Total volume 39,312 gallons	
Analyte	9/24/2019	Contribution to loading to POTW	9/24/2019	Contribution to loading to POTW	9/24/2019	Contribution to loading to POTW	Total loading to POTW	
1,1,1-trichloroethane	1.7 J	0.0002 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0.0002 lbs/day	0.6476 ug/l
1,1-dichloroethane	3.6 J	0.0004 lbs/day	0.74 J	0.0001 lbs/day	5 U	0 lbs/day	0.0006 lbs/day	1.7021 ug/l
1,1-dichloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
cis-1,2-dichloroethylene	32	0.0040 lbs/day	3.7 J	0.0005 lbs/day	27	0.0015 lbs/day	0.0061 lbs/day	18.4923 ug/l
tetrachloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	0.68 J	0.00004 lbs/day	0 lbs/day	0.1171 ug/l
trans-1,2-dichloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
trichloroethylene	0.71 J	0.0001 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0.0001 lbs/day	0.2705 ug/l
vinyl chloride	10	0.0012 lbs/day	3.1 J	0.0005 lbs/day	6.1	0.0003 lbs/day	0.0020 lbs/day	6.2451 ug/l

Notes
1. Concentrations reported in units of ug/l
2. U - undetected, with detection limit identified
3. J - estimated value

	11/28/2018	3/19/2019	6/20/2019	9/24/2019	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	0.9849	0.6142	0	0.6476	0.562
1,1-dichloroethane	1.9854	1.0175	1.6113	1.7021	1.579
1,1-dichloroethylene	0	0	0	0	0.000
cis-1,2-dichloroethylene	15.2220	9.2630	23.4716	18.4923	16.612
tetrachloroethylene	0	0	0	0.1171	0.029
trans-1,2-dichloroethylene	0	0	0	0	0.000
trichloroethylene	0.5200	1.3175	1.3681	0.2705	0.869
vinyl chloride	4.7565	2.4180	5.0950	6.2451	4.629

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0003	0.0002	0	0.0002	0.0002
1,1-dichloroethane	0.0006	0.0003	0.0003	0.0006	0.0005
1,1-dichloroethylene	0	0	0	0	0.0000
cis-1,2-dichloroethylene	0.0045	0.0023	0.004	0.0061	0.0042
tetrachloroethylene	0	0	0	0	0.0000
trans-1,2-dichloroethylene	0	0	0	0	0.0000
trichloroethylene	0	0.0003	0.0002	0.0001	0.0002
vinyl chloride	0.0014	0.0006	0.0009	0.002	0.0012

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-159659-1
Client Project/Site: Forest Glen Discharge Analysis

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
9/28/2019 1:37:37 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-159659-1
Project/Site: Forest Glen Discharge Analysis

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-159659-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-159659-1

Receipt
The samples were received on 9/24/2019 5:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-159659-1

Client Sample ID: RW-1 COMPOSITE — Lab Sample ID: 480-159659-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.7	J	5.0	0.39	ug/L	1		624.1	Total/NA
1,1-Dichloroethane	3.6	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	32		5.0	0.57	ug/L	1		624.1	Total/NA
Trichloroethylene	0.71	J	5.0	0.60	ug/L	1		624.1	Total/NA
Vinyl chloride	10		5.0	0.75	ug/L	1		624.1	Total/NA

Client Sample ID: RW-2 COMPOSITE — Lab Sample ID: 480-159659-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.74	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	3.7	J	5.0	0.57	ug/L	1		624.1	Total/NA
Vinyl chloride	3.1	J	5.0	0.75	ug/L	1		624.1	Total/NA

Client Sample ID: RW-3 COMPOSITE — Lab Sample ID: 480-159659-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	27		5.0	0.57	ug/L	1		624.1	Total/NA
Tetrachloroethylene	0.68	J	5.0	0.34	ug/L	1		624.1	Total/NA
Vinyl chloride	6.1		5.0	0.75	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RW-1 COMPOSITE

Lab Sample ID: 480-159659-1

Date Collected: 09/24/19 09:00

Matrix: Water

Date Received: 09/24/19 17:20

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.7**	**J**	5.0	0.39	ug/L			09/25/19 13:25	1
1,1-Dichloroethane	**3.6**	**J**	5.0	0.59	ug/L			09/25/19 13:25	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/25/19 13:25	1
cis-1,2-Dichloroethylene	**32**		5.0	0.57	ug/L			09/25/19 13:25	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/25/19 13:25	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/25/19 13:25	1
Trichloroethylene	**0.71**	**J**	5.0	0.60	ug/L			09/25/19 13:25	1
Vinyl chloride	**10**		5.0	0.75	ug/L			09/25/19 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*68 - 130*		*09/25/19 13:25*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*09/25/19 13:25*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*09/25/19 13:25*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*09/25/19 13:25*	*1*

Client Sample ID: RW-2 COMPOSITE

Lab Sample ID: 480-159659-2

Date Collected: 09/24/19 09:00

Matrix: Water

Date Received: 09/24/19 17:20

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/25/19 13:48	1
1,1-Dichloroethane	**0.74**	**J**	5.0	0.59	ug/L			09/25/19 13:48	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/25/19 13:48	1
cis-1,2-Dichloroethylene	**3.7**	**J**	5.0	0.57	ug/L			09/25/19 13:48	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/25/19 13:48	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/25/19 13:48	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/25/19 13:48	1
Vinyl chloride	**3.1**	**J**	5.0	0.75	ug/L			09/25/19 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*09/25/19 13:48*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*09/25/19 13:48*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/25/19 13:48*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*09/25/19 13:48*	*1*

Client Sample ID: RW-3 COMPOSITE

Lab Sample ID: 480-159659-3

Date Collected: 09/24/19 09:00

Matrix: Water

Date Received: 09/24/19 17:20

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/25/19 14:12	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/25/19 14:12	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/25/19 14:12	1
cis-1,2-Dichloroethylene	**27**		5.0	0.57	ug/L			09/25/19 14:12	1
Tetrachloroethylene	**0.68**	**J**	5.0	0.34	ug/L			09/25/19 14:12	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/25/19 14:12	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/25/19 14:12	1
Vinyl chloride	**6.1**		5.0	0.75	ug/L			09/25/19 14:12	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-159659-1

Client Sample ID: RW-3 COMPOSITE
Date Collected: 09/24/19 09:00
Date Received: 09/24/19 17:20

Lab Sample ID: 480-159659-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		68 - 130		09/25/19 14:12	1
4-Bromofluorobenzene (Surr)	98		76 - 123		09/25/19 14:12	1
Dibromofluoromethane (Surr)	99		75 - 123		09/25/19 14:12	1
Toluene-d8 (Surr)	94		77 - 120		09/25/19 14:12	1

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-159659-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-159659-1	RW-1 COMPOSITE	91	98	97	96
480-159659-2	RW-2 COMPOSITE	95	98	98	94
480-159659-3	RW-3 COMPOSITE	91	98	99	94
LCS 480-493919/5	Lab Control Sample	89	97	96	96
MB 480-493919/7	Method Blank	93	99	95	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-159659-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-493919/7
Matrix: Water
Analysis Batch: 493919

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/25/19 11:09	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/25/19 11:09	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/25/19 11:09	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			09/25/19 11:09	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/25/19 11:09	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/25/19 11:09	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/25/19 11:09	1
Vinyl chloride	ND		5.0	0.75	ug/L			09/25/19 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*		*09/25/19 11:09*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*09/25/19 11:09*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*09/25/19 11:09*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*09/25/19 11:09*	*1*

Lab Sample ID: LCS 480-493919/5
Matrix: Water
Analysis Batch: 493919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.7		ug/L		93	52 - 162
1,1-Dichloroethane	20.0	20.0		ug/L		100	59 - 155
1,1-Dichloroethylene	20.0	19.5		ug/L		97	1 - 234
Tetrachloroethylene	20.0	19.4		ug/L		97	64 - 148
trans-1,2-Dichloroethylene	20.0	20.1		ug/L		101	54 - 156
Trichloroethylene	20.0	19.6		ug/L		98	71 - 157
Vinyl chloride	20.0	19.8		ug/L		99	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*68 - 130*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*
Dibromofluoromethane (Surr)	*96*		*75 - 123*
Toluene-d8 (Surr)	*96*		*77 - 120*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-159659-1

GC/MS VOA

Analysis Batch: 493919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159659-1	RW-1 COMPOSITE	Total/NA	Water	624.1	
480-159659-2	RW-2 COMPOSITE	Total/NA	Water	624.1	
480-159659-3	RW-3 COMPOSITE	Total/NA	Water	624.1	
MB 480-493919/7	Method Blank	Total/NA	Water	624.1	
LCS 480-493919/5	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-159659-1
Project/Site: Forest Glen Discharge Analysis

Client Sample ID: RW-1 COMPOSITE
Lab Sample ID: 480-159659-1
Date Collected: 09/24/19 09:00
Matrix: Water
Date Received: 09/24/19 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	493919	09/25/19 13:25	S1V	TAL BUF

Client Sample ID: RW-2 COMPOSITE
Lab Sample ID: 480-159659-2
Date Collected: 09/24/19 09:00
Matrix: Water
Date Received: 09/24/19 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	493919	09/25/19 13:48	S1V	TAL BUF

Client Sample ID: RW-3 COMPOSITE
Lab Sample ID: 480-159659-3
Date Collected: 09/24/19 09:00
Matrix: Water
Date Received: 09/24/19 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	493919	09/25/19 14:12	S1V	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-159659-1
Project/Site: Forest Glen Discharge Analysis

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-159659-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Discharge Analysis

Job ID: 480-159659-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-159659-1	RW-1 COMPOSITE	Water	09/24/19 09:00	09/24/19 17:20	
480-159659-2	RW-2 COMPOSITE	Water	09/24/19 09:00	09/24/19 17:20	
480-159659-3	RW-3 COMPOSITE	Water	09/24/19 09:00	09/24/19 17:20	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

480-159659 Chain of Custody

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Martin Koennecke	Lab PM: Schove, John R	COC No: 480-135842-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com	Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America			Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:		
City: East Syracuse	TAT Requested (days):		
State, Zip: NY, 13221			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Forest Glen Discharge Analysis	Project #: 48002806		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code				A		
RW-1 092319	9-23-19	11:15	G	Water			3		
RW-2 092319	9-23-19	11:15	G	Water			3		To Be Composited By LABS
RW-3 092319	9-23-19	11:15	G	Water			3		
RW-1 092319	9-23-19	14:50	G	W			3		
RW-2 092319	9-23-19	1450	G	W			3		
RW-3 092319	9-23-19	1450	G	W			3		
RW-1 092419	9-24-19	7:30	G	W			3		
RW-2 092419	9-24-19	7:30	G	W			3		
RW-3 092419	9-24-19	7:30	G	W			3		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by: Martin Koennecke	Date/Time: 9-24-19 / 1720	Company OBG	Received by: [illegible]	Date/Time: 9/24/19 1720	Company TAB	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.6 #1

Ver: 01/16/2019

9/28/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MARTIN KOENECKE	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-135842-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Discharge Analysis	Project #: 48002806			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 092419	9-24-19	9:00	G	Water			3		
RW-2 092419	9-24-19	9:00	G	Water			3		
RW-3 092419	9-24-19	9:00	G	Water			3		To Be Composited By LABS

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koenecke	9-24-19 / 17:20	OBG	[illegible]	9/24/19 1720	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks	3.6 #1

Ver: 01/16/2019

9/28/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-159659-1

Login Number: 159659

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX **B**

SIU DISCHARGE PERMIT 61

NIAGARA FALLS WATER BOARD

SIGNIFICANT INDUSTRIAL USER WASTEWATER DISCHARGE PERMIT

PERMIT NO. 61

In accordance with all terms and conditions of the
Niagara Falls Water Board Wastewater Regulations Part 1960
and also with all applicable provisions of Federal and State Law or regulation:

Permission is Hereby Granted To:

**THE GOODYEAR TIRE & RUBBER COMPANY,
AS AGENT FOR THE FOREST GLEN SITE TRUST**

Located at: **Edgewood Drive – Niagara Falls, NY 14304**

Classified by SIC Number: **4953**

For the contribution of wastewater into the Niagara Falls Water Board
Publicly-Owned Treatment Works (POTW).

Effective this 1st day of October 2018
To expire this 30th day of September 2023

Signed this 5th day of September, 2018

Joel R. Paradise

For
Rolfe S. Porter
Executive Director of the Niagara Falls Water Board

DISCHARGE IDENTIFICATION

OUTFALL	DESCRIPTION	LOCATION	RECEIVING
MS #1	**#001** Manholes MH-3B & MH-3C flow to the 8" site sanitary line then on to the 12" NFWB Sanitary line	Forest Glen Subdivision Manhole MH – 3B receives ground water via RW1 and RW2. Manhole MH-3C receives ground water via RW3.	Ground Water

WASTEWATER DISCHARGE PERMIT REQUIREMENTS FOR:

A. Discharges to the Niagara Falls Water Board (NFWB) Sewer

		ACTION REQUIRED	REQUIRED DATE OF SUBMISSION
1.	Identification of all discharges to the NFWB Sewer System on a current plant sewer map certified by a New York State licensed professional engineer.	NONE	SUBMISSION RECEIVED August 15th, 2018
2.	Identification of each contributing waste stream to each discharge to the NFWB Sewer System clearly marked on, or referenced to, a current plant sewer map certified by a New York State licensed professional engineer.	NONE	SUBMISSION RECEIVED August 15th, 2018
3.	Elimination of all uncontaminated discharges to the NFWB Sewer System. All uncontaminated flows should be clearly identified on a current sewer map certified by a New York State licensed professional engineer.	NONE	SUBMISSION RECEIVED August 15th, 2018
4.	Establishment of a control manhole that is continuously and immediately accessible for each discharge to the NFWB Sewer System.	NONE	SUBMISSION RECEIVED August 15th, 2018

B. Wastewater Discharge Management Practices

1.	Identification of a responsible person(s)	NONE

C. Slug Control Plan**

Pursuant to Section 40 CFR 403.12 (v) of the Federal Pretreatment Standards the Niagara Falls Water Board will evaluate the permittee, a minimum of once every two years for the need for a "Slug Control Plan." If a plan is required by the Niagara Falls Water Board, then the plan will contain, at a minimum, the following elements:

a) Description of discharge practices, including non-routine batch discharges;
b) Description of stored chemicals;
c) Procedures for immediately notifying the POTW of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5 (b), with procedures for follow-up written notification within five days;
d) If necessary, procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents), and/or measures and equipment necessary for emergency response.

**This section applies to all pollutants limited by the Niagara Falls Water Board SPDES Permit and all prohibited wastewater discharges (See Section 1960.5 of the Niagara Falls Water Board Wastewater Regulations).

D. General Wastewater Discharge Permit Conditions

1. Flow monitoring should be performed concurrently with any Wastewater Discharge Permit sampling and should be reported at the same time as analytical results. If it is not feasible to perform flow monitoring, an estimate of flow (method of estimated flow preapproved by the Niagara Falls Water Board) should be submitted with the analytical results.

2. All sampling for billing and pretreatment compliance purposes will be coordinated through the Niagara Falls Water Board Industrial Monitoring Coordinator.

3. All analysis must be performed by a State certified laboratory using analytical methods promulgated and consistent with 40 CFR 136 and amendments thereto. The permittee will request their contract laboratory to report both Practical Quantitation Limit (PQL) and Method Detection Limit (MDL). The PQL and MDL are defined in the NYSDEC Technical Guidance Series 1.3.7.

   The permittee should report results that are less than the MDL or PQL on the NFWB Self Monitoring Report, as non-detect (ND), by placing a less than sign (<) followed by the analytical result. Every effort should be made to attain results down to the MDL. If this is not possible; then results less than PQL but greater than MDL must also be additionally flagged with the qualifier "J" on the Self-Monitoring Report. For example, a result less than 5 PQL would be reported <5 (J). In either case the calculated load in lbs per day would be zero.

   Monitoring results which are lower than the PQL must be reported but will not be used to determine compliance with the permit limit.

4. An estimate of relative production levels for wastewater contributing processes at the time of any pretreatment compliance sampling will be submitted upon request of the Director of Niagara Falls Water Board - Wastewater Facilities.

5. All samples will be handled in accordance with EPA approved methods. Chain of Custody records will be submitted with all sampling results.

6. All conditions, standards and numeric limitations of Niagara Falls Water Board Wastewater Regulations are hereby incorporated into this permit by reference. These conditions, standards and numeric limitations must be complied with. Failure to comply with any part of said regulations constitutes a violation and is subject to enforcement actions(s) described in Section 1960.9 of said regulations, and in the Niagara Falls Water Board Pretreatment Administrative Procedure Number Five (5) - "Enforcement Response Guide." Violators are subject to all applicable *Civil* and *Criminal* penalties. In the event of a violation, including slug discharges or spills, the Niagara Falls Water Board must be notified immediately by phone and confirmed by letter within five (5) working days.

   Any person adjudicated of violating any provision in the Niagara Falls Water Board Wastewater Regulations shall be assessed a fine in the amount of up to $10,000. This amount is available for each violation, and each day of a violation is a separate incident for which penalties may be sought. (6. Cont.)

D. General Wastewater Discharge Permit Conditions (continued)

6. *(cont.)* The person violating any of the provisions of the Niagara Falls Water Board Wastewater Regulations will be liable for any expense, loss, or damage occasioned by reason of such violation. The expense, loss or damage will be taken to be to the extent determined by the Director.

   In addition, any person who knowingly makes any false statements; representation or certification in any application, record, report, plan or other document filed or required to be maintained pursuant to the Niagara Falls Water Board Wastewater Regulations or Wastewater Discharge Permit, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under the Niagara Falls Water Board Wastewater Regulations will, upon conviction be punished by a fine up to $5,000. Furthermore, the Niagara Falls Water Board may recover reasonable attorney's fees, court costs, court reporting fees, and other expenses of litigation by appropriate suit at law against the person found to have violated applicable laws, orders, rules and permits required by the Niagara Falls Water Board Wastewater Regulations.

7. In accordance with Federal Regulation CFR 40, Part 403.12(g), any exceedance of a numeric limitation noted by the SIU must be re-sampled, analyzed and resubmitted to the Niagara Falls Water Board Wastewater - Facilities within 30 days.

   Specifically, if any limit that is *listed* in Section F of this permit is exceeded, then the permittee will undertake a short term monitoring program for that pollutant. Samples will be collected identical to those required for routine monitoring purposes and will be collected on each of at least *two (2)* operating days and analyzed. Results will be reported in both concentration and mass, and will be submitted within *30* days of becoming aware of the exceedance.

8. Sampling frequency for any permitted compounds may be increased beyond the requirements set forth in Section F and G of this permit. If the permittee monitors (sample and analysis) more frequent than required under this permit, **all** results of this monitoring must be reported.

9. As noted in Section 1960.5g of the Niagara Falls Water Board Wastewater Regulations, "Personnel as designated by the Director will be permitted at any time for reasonable cause to enter upon all properties served by the Niagara Falls Water Board - Wastewater Facilities for the purpose of, and to carry out, inspection of the premises, observation, measurement, sampling and testing, in accordance with provisions of the Regulations."

10. As noted in Section 1960.5c of the Niagara Falls Water Board Wastewater Regulations, significant changes in discharge characteristics or volume must be reported immediately to the Niagara Falls Water Board - Wastewater Facilities.

11. As noted in Section 1960.6b of the Niagara Falls Water Board Wastewater Regulations, samples required to be collected via a 24-hour composite sampler must be retained refrigerated for an additional 24 hour plus unrefrigerated an additional 48 hours (total 72 hours). (D. continued)

D. General Wastewater Discharge Permit Conditions (continued)

12. As noted in Section 1960.5d of the Niagara Falls Water Board Wastewater Regulations, all "SIU's will keep on file for a minimum of three (3) years, all records, flow charts, laboratory calculations or any other pertinent data on their discharge to the Niagara Falls Water Board - Wastewater Facilities."

13. As noted in Section 1960.6g of the Niagara Falls Water Board Wastewater Regulations, "Permits are issued to a specific user for a specific monitoring station. A permit will not be reassigned or transferred without the approval of the Director which approval will not be unreasonably withheld. Any succeeding owner or user to which a permit has been transferred and approved will also comply with all the terms and conditions of the existing permit."

14. The Annual Average Limitation is equivalent to the specific SIU allocation, and will be defined as the permissible long term average discharge of a particular pollutant. These limitations are listed in Section F of this permit. The computation of the Annual Average will be as follows; for each compound listed in Section G of this permit, the Annual Average will be the average of the present monitoring quarter and three previous quarters' data.

15. The Daily Maximum Limitation will be defined as the maximum allowable discharge on anyone day. The Daily Maximum Limitation will allow for periodic short term discharge fluctuations. These specific limitations are listed in Section F of this permit.

16. Enforcement of the Annual Average Limitation will be based on the reported average of the last four quarters data vs. the Annual Average Limited listed in Section F of this permit. Enforcement of the Daily Maximum Limitation will be based on individual analysis results vs. the Daily Maximum Limit listed in Section F of this permit. These results may be obtained from self monitoring (Section G), Niagara Falls Water Board Verification, incident investigation or billing samples.

17. The Niagara Falls Water Board Administrative Procedure Number 6 "Procedure for Determination and Use of Local Limits" lists all pollutants noted in the Niagara Falls Water Board - Wastewater Facilities SPDES Permit. The limits defined in the procedure are values which are based on the quantity of substances discharged which can be easily related to the Treatment Plant's removal capacity.

    The pollutants listed in this procedure, which are not specifically listed in Section F and G of this permit may be present in the permittee's wastewater discharge, but at levels which do not require specific permit limitations. Consequently, if any of the limits listed in this procedure, for pollutants not identified in Section F and G of this permit, are exceeded then the permittee will undertake a short-term, high intensity monitoring program for that pollutant. Samples identical to those required for routine monitoring purposes will be collected on each of at least three operating days and analyzed. Results will be expressed in terms of both concentration and mass, and will be submitted no later than the end of the third month following the month when the limit was first exceeded.
    If levels higher than the limit are confirmed, the permit may be reopened by the Niagara Falls Water Board for consideration of revised permit limits.

E. Specific Wastewater Discharge Permit Conditions

1. Billing Agreement:

a) The determination of the quantity of flow will be based on effluent meter readings obtained from MS #1. The weekly readings and total average flow will be recorded on a monthly report. This report will be sent to the NFWB due 15 days after the monitoring month.

b) "Substances of Concern" charges will be based on pollutant analysis results contained in the permittee's Quarterly Self-Monitoring Report and other appropriate data collected by the permittee.

2. Self Monitoring:

The permittee will collect and analyze samples for pollutant analysis and submit the results as directed in Sections F and G of this permit.

3. Regulator 6C:

The NFWB maintains several flow regulators throughout the collection system. The purpose of the regulators is to divert excess flow during peak storm events away from the treatment plant. The permittee's discharge passes through regulator 6C, which is one of these devices. Therefore, during storm events the potential for this wastewater to bypass the treatment plant exists. The permittee is required to conduct the following;

a) Maintain an appropriate alarm system to indicate when regulator 6C is overflowing. Such a system will trigger all discharge from the site to cease until such time overflow at regulator 6C ceases.

b) A log of all such instances will be maintained. The log will be submitted with the Quarterly Self-Monitoring Report.

c) A check of the alarm system will be conducted quarterly and recorded on the log noted in item E3b.

F. Discharge Limitations & Monitoring Requirements

During the Period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall(s) will be limited and monitored by the permittee as specified below.

OUTFALL NUMBER/ EFFLUENT PARAMETER	DISCHARGE LIMITATIONS		UNITS	MINIMUM MONITORING REQUIREMENTS	
	ANNUAL AVERAGE	DAILY MAXIMUM		MEASUREMENT FREQUENCY	SAMPLE TYPE
MS#1 - Flow	0.04	0.06	MGD	**Continuous	N/A
MS#1 – Vinyl Chloride	0.02	0.03	lbs/d	1/Qrt	2
MS#1 – 1,1 Dichloroethylene	0.005	0.01	lbs/d	1/Qrt	2
MS#1 - *1, 2 Dichloroethylene	0.05	0.1	lbs/d	1/Qrt	2
MS#1 – 1,1 Dichloroethane	0.005	0.01	lbs/d	1/Qrt	2
MS#1 – Trichloroethylene	0.005	0.01	lbs/d	1/Qrt	2
MS#1 – Tetrachloroethylene	0.005	0.01	lbs/d	1/Qrt	2
MS#1 – 1,1,1 Trichloroethane	0.005	0.01	lbs/d	1/Qrt	2

*total cis and trans

** The flow meter must continuously operate, however the NFWB will allow to have the integrator readings recorded once (1) per week instead of daily. This data must be submitted in the monthly flow report.

SAMPLE TYPE FOOTNOTES

(1) Each sample will consist of four (4) grabs collected spaced throughout the **batch** discharge, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(2) Each sample will consist of four (4) grabs collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(3) Each sample will consist of a 24-hour, **flow proportioned** composite sample collected from the monitoring point.

(4) Flow will be monitored continuously with the use of a water meter or another acceptable flow metering device.

(5) Each sample will consist of a 24-hour, **time proportioned** composite sample collected from the monitoring point.

(6) Reserved

(7) Same as (3), however, five (5) samples will be collected per quarter from the monitoring point and analyzed by and at the Niagara Falls Water Board's expense.

(8) Four (4) grab samples will be collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. Each grab will be **analyzed and reported separately**.

(9) A grab sample is defined as an aliquot collected over a period of not more than 15 minutes.

G. Discharge Monitoring Reporting Requirements

During the period beginning the effective date of this permit and lasting until its expiration date, discharge monitoring results will be summarized and reported by the permittee; Monthly - 14 days after monitoring period, **Quarterly - by the last day of the monitoring period = February 28, May 31, August 31, November 30.** Semiannual reports will be submitted on the last day of the monitoring period = February 28, August 31. The annual average for each parameter listed in Section F, will be computed and reported quarterly. The individual sample analysis for present quarter will also be reported quarterly unless directed otherwise in this permit.

OUTFALL NO	PARAMETER	REPORTING FREQUENCY
MS#1	Flow	Monthly
MS#1	Regulator 6c data, Inspections	Quarterly
MS#1	Vinyl Chloride	Quarterly
MS#1	1,1 – Dichloroethylene	Quarterly
MS#1	1,2 – Dichloroethylene	Quarterly
MS#1	1,1 - Dichloroethane	Quarterly
MS#1	Trichloroethylene	Quarterly
MS#1	Tetrachloroethylene	Quarterly
MS#1	1,1,1 – Trichloroethane	Quarterly

Quarterly reports submitted by SIU #61 are due by the last day of the monitoring period as follows: **1st Qt.**- February 28, **2nd Qt.** - May 31, **3rd Qt.** - August 31 and **4th Qt.** - November 30.

H. Comments/Revisions

APPENDIX **C**

LABORATORY REPORTS

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-164487-1
Client Project/Site: Forest Glen Monitoring

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
1/7/2020 4:19:15 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-164487-1
Project/Site: Forest Glen Monitoring

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-164487-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-164487-1

Comments
No additional comments.

Receipt
The samples were received on 12/20/2019 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-511326 recovered above the upper control limit for Dibromochloromethane and Dichlorobromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW 8D 121819 (480-164487-1), MW 8DD 121819 (480-164487-2), MW 8S 121819 (480-164487-3), MW 7D121819 (480-164487-4), MW 7DD121819 (480-164487-5), MW 7S 121819 (480-164487-6), MW 6D 121819 (480-164487-7), MW 1S 121819 (480-164487-8), MW 6S 121819 (480-164487-9), MW 1D 121819 (480-164487-10), X-1 121819 (480-164487-11), MW 10D 121919 (480-164487-12), MW 10S 121919 (480-164487-13), MW 6DD 121919 (480-164487-14), MW 5S 121919 (480-164487-15), MW 4S 121919 (480-164487-16) and (480-164432-C-12).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-511326 recovered outside control limits for the following analytes: Bromoform ,Dibromochloromethane and Ethylene Dibromide. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.MW 8D 121819 (480-164487-1), MW 8DD 121819 (480-164487-2), MW 8S 121819 (480-164487-3), MW 7D121819 (480-164487-4), MW 7DD121819 (480-164487-5), MW 7S 121819 (480-164487-6), MW 6D 121819 (480-164487-7), MW 1S 121819 (480-164487-8), MW 6S 121819 (480-164487-9), MW 1D 121819 (480-164487-10), X-1 121819 (480-164487-11), MW 10D 121919 (480-164487-12), MW 10S 121919 (480-164487-13), MW 6DD 121919 (480-164487-14), MW 5S 121919 (480-164487-15), MW 4S 121919 (480-164487-16) and (480-164432-C-12)

Method 8260C: The surrogate 4-Bromofluorobezene (SURR) was outside the 20%D limits on the continuing calibration verification (CCV) but was within laboratory limits. The following samples are impacted: MW 4D 121919 (480-164487-17), MW 5D 121919 (480-164487-18) and QC TRIP BLANKS (480-164487-19).

Method 8260C: Surrogate recovery for the following sample was outside the upper control limit: MW 5D 121919 (480-164487-18). This sample detects not ND but below RL (J-flag); therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 8D 121819 — Lab Sample ID: 480-164487-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.38	J	1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: MW 8DD 121819 — Lab Sample ID: 480-164487-2

No Detections.

Client Sample ID: MW 8S 121819 — Lab Sample ID: 480-164487-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.5		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.70	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	3.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW 7D121819 — Lab Sample ID: 480-164487-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.90	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW 7DD121819 — Lab Sample ID: 480-164487-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.67	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW 7S 121819 — Lab Sample ID: 480-164487-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.46	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW 6D 121819 — Lab Sample ID: 480-164487-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.45	J	1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: MW 1S 121819 — Lab Sample ID: 480-164487-8

No Detections.

Client Sample ID: MW 6S 121819 — Lab Sample ID: 480-164487-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	24		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	23		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW 1D 121819 — Lab Sample ID: 480-164487-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.80	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: X-1 121819 — Lab Sample ID: 480-164487-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.56	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 10D 121919 — Lab Sample ID: 480-164487-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.25	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW 10S 121919 — Lab Sample ID: 480-164487-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.24	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW 6DD 121919 — Lab Sample ID: 480-164487-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW 5S 121919 — Lab Sample ID: 480-164487-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.51	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW 4S 121919 — Lab Sample ID: 480-164487-16

No Detections.

Client Sample ID: MW 4D 121919 — Lab Sample ID: 480-164487-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.39	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW 5D 121919 — Lab Sample ID: 480-164487-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.39	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.38	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: QC TRIP BLANKS — Lab Sample ID: 480-164487-19

No Detections.

This Detection Summary does not include radiochemical test results.

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 8D 121819
Date Collected: 12/18/19 10:05
Date Received: 12/20/19 16:30

Lab Sample ID: 480-164487-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/22/19 20:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/19 20:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/19 20:41	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/22/19 20:41	1
1,1-Dichloroethane	**0.38**	**J**	1.0	0.38	ug/L			12/22/19 20:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/19 20:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/19 20:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/19 20:41	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/22/19 20:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/19 20:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/19 20:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/19 20:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/19 20:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/19 20:41	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/19 20:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/19 20:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/19 20:41	1
Acetone	ND		10	3.0	ug/L			12/22/19 20:41	1
Benzene	ND		1.0	0.41	ug/L			12/22/19 20:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/19 20:41	1
Bromoform	ND	*	1.0	0.26	ug/L			12/22/19 20:41	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/19 20:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/19 20:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/19 20:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/19 20:41	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/22/19 20:41	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/19 20:41	1
Chloroform	ND		1.0	0.34	ug/L			12/22/19 20:41	1
Chloromethane	ND		1.0	0.35	ug/L			12/22/19 20:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/22/19 20:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/19 20:41	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/19 20:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/19 20:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/19 20:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/19 20:41	1
Methyl acetate	ND		1.3	1.3	ug/L			12/22/19 20:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/19 20:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/19 20:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/19 20:41	1
Styrene	ND		1.0	0.73	ug/L			12/22/19 20:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/22/19 20:41	1
Toluene	ND		1.0	0.51	ug/L			12/22/19 20:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/19 20:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/19 20:41	1
Trichloroethene	ND		1.0	0.46	ug/L			12/22/19 20:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/19 20:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/22/19 20:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/19 20:41	1

Client Sample ID: MW 8D 121819

Lab Sample ID: 480-164487-1

Date Collected: 12/18/19 10:05

Matrix: Water

Date Received: 12/20/19 16:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/22/19 20:41*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/22/19 20:41*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*12/22/19 20:41*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/22/19 20:41*	*1*

Client Sample ID: MW 8DD 121819

Lab Sample ID: 480-164487-2

Date Collected: 12/18/19 10:58

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/22/19 21:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/19 21:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/19 21:04	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/22/19 21:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/22/19 21:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/19 21:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/19 21:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/19 21:04	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/22/19 21:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/19 21:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/19 21:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/19 21:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/19 21:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/19 21:04	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/19 21:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/19 21:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/19 21:04	1
Acetone	ND		10	3.0	ug/L			12/22/19 21:04	1
Benzene	ND		1.0	0.41	ug/L			12/22/19 21:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/19 21:04	1
Bromoform	ND	*	1.0	0.26	ug/L			12/22/19 21:04	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/19 21:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/19 21:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/19 21:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/19 21:04	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/22/19 21:04	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/19 21:04	1
Chloroform	ND		1.0	0.34	ug/L			12/22/19 21:04	1
Chloromethane	ND		1.0	0.35	ug/L			12/22/19 21:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/22/19 21:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/19 21:04	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/19 21:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/19 21:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/19 21:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/19 21:04	1
Methyl acetate	ND		1.3	1.3	ug/L			12/22/19 21:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/19 21:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/19 21:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/19 21:04	1

Client Sample ID: MW 8DD 121819

Lab Sample ID: 480-164487-2

Date Collected: 12/18/19 10:58

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			12/22/19 21:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/22/19 21:04	1
Toluene	ND		1.0	0.51	ug/L			12/22/19 21:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/19 21:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/19 21:04	1
Trichloroethene	ND		1.0	0.46	ug/L			12/22/19 21:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/19 21:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/22/19 21:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/19 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*12/22/19 21:04*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*12/22/19 21:04*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*12/22/19 21:04*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*12/22/19 21:04*	*1*

Client Sample ID: MW 8S 121819

Lab Sample ID: 480-164487-3

Date Collected: 12/18/19 11:35

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/22/19 21:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/19 21:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/19 21:28	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/22/19 21:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/22/19 21:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/19 21:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/19 21:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/19 21:28	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/22/19 21:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/19 21:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/19 21:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/19 21:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/19 21:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/19 21:28	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/19 21:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/19 21:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/19 21:28	1
Acetone	ND		10	3.0	ug/L			12/22/19 21:28	1
Benzene	ND		1.0	0.41	ug/L			12/22/19 21:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/19 21:28	1
Bromoform	ND	*	1.0	0.26	ug/L			12/22/19 21:28	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/19 21:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/19 21:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/19 21:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/19 21:28	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/22/19 21:28	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/19 21:28	1
Chloroform	ND		1.0	0.34	ug/L			12/22/19 21:28	1

Client Sample ID: MW 8S 121819

Lab Sample ID: 480-164487-3

Date Collected: 12/18/19 11:35

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			12/22/19 21:28	1
cis-1,2-Dichloroethene	**2.5**		1.0	0.81	ug/L			12/22/19 21:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/19 21:28	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/19 21:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/19 21:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/19 21:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/19 21:28	1
Methyl acetate	ND		1.3	1.3	ug/L			12/22/19 21:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/19 21:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/19 21:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/19 21:28	1
Styrene	ND		1.0	0.73	ug/L			12/22/19 21:28	1
Tetrachloroethene	**0.70**	**J**	1.0	0.36	ug/L			12/22/19 21:28	1
Toluene	ND		1.0	0.51	ug/L			12/22/19 21:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/19 21:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/19 21:28	1
Trichloroethene	**3.4**		1.0	0.46	ug/L			12/22/19 21:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/19 21:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/22/19 21:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/19 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*12/22/19 21:28*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/22/19 21:28*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*12/22/19 21:28*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*12/22/19 21:28*	*1*

Client Sample ID: MW 7D121819

Lab Sample ID: 480-164487-4

Date Collected: 12/18/19 12:15

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/22/19 21:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/19 21:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/19 21:52	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/22/19 21:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/22/19 21:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/19 21:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/19 21:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/19 21:52	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/22/19 21:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/19 21:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/19 21:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/19 21:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/19 21:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/19 21:52	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/19 21:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/19 21:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/19 21:52	1

Client Sample ID: MW 7D121819

Lab Sample ID: 480-164487-4

Date Collected: 12/18/19 12:15

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			12/22/19 21:52	1
Benzene	ND		1.0	0.41	ug/L			12/22/19 21:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/19 21:52	1
Bromoform	ND	*	1.0	0.26	ug/L			12/22/19 21:52	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/19 21:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/19 21:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/19 21:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/19 21:52	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/22/19 21:52	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/19 21:52	1
Chloroform	ND		1.0	0.34	ug/L			12/22/19 21:52	1
Chloromethane	ND		1.0	0.35	ug/L			12/22/19 21:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/22/19 21:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/19 21:52	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/19 21:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/19 21:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/19 21:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/19 21:52	1
Methyl acetate	ND		1.3	1.3	ug/L			12/22/19 21:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/19 21:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/19 21:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/19 21:52	1
Styrene	ND		1.0	0.73	ug/L			12/22/19 21:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/22/19 21:52	1
Toluene	ND		1.0	0.51	ug/L			12/22/19 21:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/19 21:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/19 21:52	1
Trichloroethene	**0.90**	**J**	1.0	0.46	ug/L			12/22/19 21:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/19 21:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/22/19 21:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/19 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*12/22/19 21:52*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*12/22/19 21:52*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*12/22/19 21:52*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*12/22/19 21:52*	*1*

Client Sample ID: MW 7DD121819

Lab Sample ID: 480-164487-5

Date Collected: 12/18/19 13:13

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/22/19 22:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/19 22:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/19 22:16	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/22/19 22:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/22/19 22:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/19 22:16	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 7DD121819
Date Collected: 12/18/19 13:13
Date Received: 12/20/19 16:30

Lab Sample ID: 480-164487-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/19 22:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/19 22:16	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/22/19 22:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/19 22:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/19 22:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/19 22:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/19 22:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/19 22:16	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/19 22:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/19 22:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/19 22:16	1
Acetone	ND		10	3.0	ug/L			12/22/19 22:16	1
Benzene	ND		1.0	0.41	ug/L			12/22/19 22:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/19 22:16	1
Bromoform	ND	*	1.0	0.26	ug/L			12/22/19 22:16	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/19 22:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/19 22:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/19 22:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/19 22:16	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/22/19 22:16	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/19 22:16	1
Chloroform	ND		1.0	0.34	ug/L			12/22/19 22:16	1
Chloromethane	ND		1.0	0.35	ug/L			12/22/19 22:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/22/19 22:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/19 22:16	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/19 22:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/19 22:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/19 22:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/19 22:16	1
Methyl acetate	ND		1.3	1.3	ug/L			12/22/19 22:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/19 22:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/19 22:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/19 22:16	1
Styrene	ND		1.0	0.73	ug/L			12/22/19 22:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/22/19 22:16	1
Toluene	ND		1.0	0.51	ug/L			12/22/19 22:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/19 22:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/19 22:16	1
Trichloroethene	**0.67**	**J**	1.0	0.46	ug/L			12/22/19 22:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/19 22:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/22/19 22:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/19 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*12/22/19 22:16*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*12/22/19 22:16*	*1*
4-Bromofluorobenzene (Surr)	*119*		*73 - 120*		*12/22/19 22:16*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*12/22/19 22:16*	*1*

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 7S 121819
Date Collected: 12/18/19 13:30
Date Received: 12/20/19 16:30

Lab Sample ID: 480-164487-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/22/19 22:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/19 22:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/19 22:39	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/22/19 22:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/22/19 22:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/19 22:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/19 22:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/19 22:39	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/22/19 22:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/19 22:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/19 22:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/19 22:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/19 22:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/19 22:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/19 22:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/19 22:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/19 22:39	1
Acetone	ND		10	3.0	ug/L			12/22/19 22:39	1
Benzene	ND		1.0	0.41	ug/L			12/22/19 22:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/19 22:39	1
Bromoform	ND	*	1.0	0.26	ug/L			12/22/19 22:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/19 22:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/19 22:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/19 22:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/19 22:39	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/22/19 22:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/19 22:39	1
Chloroform	ND		1.0	0.34	ug/L			12/22/19 22:39	1
Chloromethane	ND		1.0	0.35	ug/L			12/22/19 22:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/22/19 22:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/19 22:39	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/19 22:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/19 22:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/19 22:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/19 22:39	1
Methyl acetate	ND		1.3	1.3	ug/L			12/22/19 22:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/19 22:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/19 22:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/19 22:39	1
Styrene	ND		1.0	0.73	ug/L			12/22/19 22:39	1
Tetrachloroethene	**0.46**	**J**	1.0	0.36	ug/L			12/22/19 22:39	1
Toluene	ND		1.0	0.51	ug/L			12/22/19 22:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/19 22:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/19 22:39	1
Trichloroethene	**1.4**		1.0	0.46	ug/L			12/22/19 22:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/19 22:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/22/19 22:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/19 22:39	1

Client Sample ID: MW 7S 121819

Lab Sample ID: 480-164487-6

Date Collected: 12/18/19 13:30

Matrix: Water

Date Received: 12/20/19 16:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		12/22/19 22:39	1
Toluene-d8 (Surr)	106		80 - 120		12/22/19 22:39	1
4-Bromofluorobenzene (Surr)	120		73 - 120		12/22/19 22:39	1
Dibromofluoromethane (Surr)	112		75 - 123		12/22/19 22:39	1

Client Sample ID: MW 6D 121819

Lab Sample ID: 480-164487-7

Date Collected: 12/18/19 15:12

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/22/19 23:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/19 23:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/19 23:03	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/22/19 23:03	1
1,1-Dichloroethane	**0.45**	**J**	1.0	0.38	ug/L			12/22/19 23:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/19 23:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/19 23:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/19 23:03	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/22/19 23:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/19 23:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/19 23:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/19 23:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/19 23:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/19 23:03	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/19 23:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/19 23:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/19 23:03	1
Acetone	ND		10	3.0	ug/L			12/22/19 23:03	1
Benzene	ND		1.0	0.41	ug/L			12/22/19 23:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/19 23:03	1
Bromoform	ND	*	1.0	0.26	ug/L			12/22/19 23:03	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/19 23:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/19 23:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/19 23:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/19 23:03	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/22/19 23:03	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/19 23:03	1
Chloroform	ND		1.0	0.34	ug/L			12/22/19 23:03	1
Chloromethane	ND		1.0	0.35	ug/L			12/22/19 23:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/22/19 23:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/19 23:03	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/19 23:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/19 23:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/19 23:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/19 23:03	1
Methyl acetate	ND		1.3	1.3	ug/L			12/22/19 23:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/19 23:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/19 23:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/19 23:03	1

Client Sample ID: MW 6D 121819

Lab Sample ID: 480-164487-7

Date Collected: 12/18/19 15:12

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			12/22/19 23:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/22/19 23:03	1
Toluene	ND		1.0	0.51	ug/L			12/22/19 23:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/19 23:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/19 23:03	1
Trichloroethene	ND		1.0	0.46	ug/L			12/22/19 23:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/19 23:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/22/19 23:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/19 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*12/22/19 23:03*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/22/19 23:03*	*1*
4-Bromofluorobenzene (Surr)	*117*		*73 - 120*		*12/22/19 23:03*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*12/22/19 23:03*	*1*

Client Sample ID: MW 1S 121819

Lab Sample ID: 480-164487-8

Date Collected: 12/18/19 15:28

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/22/19 23:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/19 23:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/19 23:27	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/22/19 23:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/22/19 23:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/19 23:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/19 23:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/19 23:27	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/22/19 23:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/19 23:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/19 23:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/19 23:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/19 23:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/19 23:27	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/19 23:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/19 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/19 23:27	1
Acetone	ND		10	3.0	ug/L			12/22/19 23:27	1
Benzene	ND		1.0	0.41	ug/L			12/22/19 23:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/19 23:27	1
Bromoform	ND	*	1.0	0.26	ug/L			12/22/19 23:27	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/19 23:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/19 23:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/19 23:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/19 23:27	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/22/19 23:27	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/19 23:27	1
Chloroform	ND		1.0	0.34	ug/L			12/22/19 23:27	1

Client Sample ID: MW 1S 121819

Lab Sample ID: 480-164487-8

Date Collected: 12/18/19 15:28

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			12/22/19 23:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/22/19 23:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/19 23:27	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/19 23:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/19 23:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/19 23:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/19 23:27	1
Methyl acetate	ND		1.3	1.3	ug/L			12/22/19 23:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/19 23:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/19 23:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/19 23:27	1
Styrene	ND		1.0	0.73	ug/L			12/22/19 23:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/22/19 23:27	1
Toluene	ND		1.0	0.51	ug/L			12/22/19 23:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/19 23:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/19 23:27	1
Trichloroethene	ND		1.0	0.46	ug/L			12/22/19 23:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/19 23:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/22/19 23:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/19 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*12/22/19 23:27*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*12/22/19 23:27*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*12/22/19 23:27*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*12/22/19 23:27*	*1*

Client Sample ID: MW 6S 121819

Lab Sample ID: 480-164487-9

Date Collected: 12/18/19 16:05

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/22/19 23:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/19 23:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/19 23:51	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/22/19 23:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/22/19 23:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/19 23:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/19 23:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/19 23:51	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/22/19 23:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/19 23:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/19 23:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/19 23:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/19 23:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/19 23:51	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/19 23:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/19 23:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/19 23:51	1

Client Sample ID: MW 6S 121819

Lab Sample ID: 480-164487-9

Date Collected: 12/18/19 16:05

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			12/22/19 23:51	1
Benzene	ND		1.0	0.41	ug/L			12/22/19 23:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/19 23:51	1
Bromoform	ND	*	1.0	0.26	ug/L			12/22/19 23:51	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/19 23:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/19 23:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/19 23:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/19 23:51	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/22/19 23:51	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/19 23:51	1
Chloroform	ND		1.0	0.34	ug/L			12/22/19 23:51	1
Chloromethane	ND		1.0	0.35	ug/L			12/22/19 23:51	1
cis-1,2-Dichloroethene	**24**		1.0	0.81	ug/L			12/22/19 23:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/19 23:51	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/19 23:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/19 23:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/19 23:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/19 23:51	1
Methyl acetate	ND		1.3	1.3	ug/L			12/22/19 23:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/19 23:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/19 23:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/19 23:51	1
Styrene	ND		1.0	0.73	ug/L			12/22/19 23:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/22/19 23:51	1
Toluene	ND		1.0	0.51	ug/L			12/22/19 23:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/19 23:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/19 23:51	1
Trichloroethene	ND		1.0	0.46	ug/L			12/22/19 23:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/19 23:51	1
Vinyl chloride	**23**		1.0	0.90	ug/L			12/22/19 23:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/19 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*12/22/19 23:51*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*12/22/19 23:51*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*12/22/19 23:51*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*12/22/19 23:51*	*1*

Client Sample ID: MW 1D 121819

Lab Sample ID: 480-164487-10

Date Collected: 12/18/19 16:15

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/23/19 00:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/19 00:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/19 00:14	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/23/19 00:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/19 00:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/19 00:14	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 1D 121819
Date Collected: 12/18/19 16:15
Date Received: 12/20/19 16:30

Lab Sample ID: 480-164487-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/19 00:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/19 00:14	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/23/19 00:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/19 00:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/19 00:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/19 00:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/19 00:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/19 00:14	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/19 00:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/19 00:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/19 00:14	1
Acetone	ND		10	3.0	ug/L			12/23/19 00:14	1
Benzene	ND		1.0	0.41	ug/L			12/23/19 00:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/19 00:14	1
Bromoform	ND	*	1.0	0.26	ug/L			12/23/19 00:14	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/19 00:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/19 00:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/19 00:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/19 00:14	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/23/19 00:14	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/19 00:14	1
Chloroform	ND		1.0	0.34	ug/L			12/23/19 00:14	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/19 00:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/19 00:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/19 00:14	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/19 00:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/19 00:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/19 00:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/19 00:14	1
Methyl acetate	ND		1.3	1.3	ug/L			12/23/19 00:14	1
Methyl tert-butyl ether	**0.80**	**J**	1.0	0.16	ug/L			12/23/19 00:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/19 00:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/19 00:14	1
Styrene	ND		1.0	0.73	ug/L			12/23/19 00:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/19 00:14	1
Toluene	ND		1.0	0.51	ug/L			12/23/19 00:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/19 00:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/19 00:14	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/19 00:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/19 00:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/19 00:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/19 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*12/23/19 00:14*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*12/23/19 00:14*	*1*
4-Bromofluorobenzene (Surr)	*119*		*73 - 120*		*12/23/19 00:14*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*12/23/19 00:14*	*1*

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: X-1 121819
Date Collected: 12/18/19 00:00
Date Received: 12/20/19 16:30

Lab Sample ID: 480-164487-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/23/19 00:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/19 00:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/19 00:38	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/23/19 00:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/19 00:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/19 00:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/19 00:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/19 00:38	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/23/19 00:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/19 00:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/19 00:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/19 00:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/19 00:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/19 00:38	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/19 00:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/19 00:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/19 00:38	1
Acetone	ND		10	3.0	ug/L			12/23/19 00:38	1
Benzene	ND		1.0	0.41	ug/L			12/23/19 00:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/19 00:38	1
Bromoform	ND	*	1.0	0.26	ug/L			12/23/19 00:38	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/19 00:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/19 00:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/19 00:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/19 00:38	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/23/19 00:38	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/19 00:38	1
Chloroform	ND		1.0	0.34	ug/L			12/23/19 00:38	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/19 00:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/19 00:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/19 00:38	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/19 00:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/19 00:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/19 00:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/19 00:38	1
Methyl acetate	ND		1.3	1.3	ug/L			12/23/19 00:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/19 00:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/19 00:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/19 00:38	1
Styrene	ND		1.0	0.73	ug/L			12/23/19 00:38	1
Tetrachloroethene	**0.56**	**J**	1.0	0.36	ug/L			12/23/19 00:38	1
Toluene	ND		1.0	0.51	ug/L			12/23/19 00:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/19 00:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/19 00:38	1
Trichloroethene	**1.4**		1.0	0.46	ug/L			12/23/19 00:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/19 00:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/19 00:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/19 00:38	1

Client Sample ID: X-1 121819

Lab Sample ID: 480-164487-11

Date Collected: 12/18/19 00:00

Matrix: Water

Date Received: 12/20/19 16:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/23/19 00:38*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/23/19 00:38*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*12/23/19 00:38*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*12/23/19 00:38*	*1*

Client Sample ID: MW 10D 121919

Lab Sample ID: 480-164487-12

Date Collected: 12/19/19 10:18

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/23/19 01:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/19 01:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/19 01:02	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/23/19 01:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/19 01:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/19 01:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/19 01:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/19 01:02	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/23/19 01:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/19 01:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/19 01:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/19 01:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/19 01:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/19 01:02	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/19 01:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/19 01:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/19 01:02	1
Acetone	ND		10	3.0	ug/L			12/23/19 01:02	1
Benzene	ND		1.0	0.41	ug/L			12/23/19 01:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/19 01:02	1
Bromoform	ND	*	1.0	0.26	ug/L			12/23/19 01:02	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/19 01:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/19 01:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/19 01:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/19 01:02	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/23/19 01:02	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/19 01:02	1
Chloroform	ND		1.0	0.34	ug/L			12/23/19 01:02	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/19 01:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/19 01:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/19 01:02	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/19 01:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/19 01:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/19 01:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/19 01:02	1
Methyl acetate	ND		1.3	1.3	ug/L			12/23/19 01:02	1
Methyl tert-butyl ether	**0.25**	**J**	1.0	0.16	ug/L			12/23/19 01:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/19 01:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/19 01:02	1

Client Sample ID: MW 10D 121919

Lab Sample ID: 480-164487-12

Date Collected: 12/19/19 10:18

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			12/23/19 01:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/19 01:02	1
Toluene	ND		1.0	0.51	ug/L			12/23/19 01:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/19 01:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/19 01:02	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/19 01:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/19 01:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/19 01:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/19 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*12/23/19 01:02*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*12/23/19 01:02*	*1*
4-Bromofluorobenzene (Surr)	*118*		*73 - 120*		*12/23/19 01:02*	*1*
Dibromofluoromethane (Surr)	*117*		*75 - 123*		*12/23/19 01:02*	*1*

Client Sample ID: MW 10S 121919

Lab Sample ID: 480-164487-13

Date Collected: 12/19/19 11:05

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/23/19 01:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/19 01:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/19 01:26	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/23/19 01:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/19 01:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/19 01:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/19 01:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/19 01:26	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/23/19 01:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/19 01:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/19 01:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/19 01:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/19 01:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/19 01:26	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/19 01:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/19 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/19 01:26	1
Acetone	ND		10	3.0	ug/L			12/23/19 01:26	1
Benzene	ND		1.0	0.41	ug/L			12/23/19 01:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/19 01:26	1
Bromoform	ND	*	1.0	0.26	ug/L			12/23/19 01:26	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/19 01:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/19 01:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/19 01:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/19 01:26	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/23/19 01:26	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/19 01:26	1
Chloroform	ND		1.0	0.34	ug/L			12/23/19 01:26	1

Client Sample ID: MW 10S 121919

Lab Sample ID: 480-164487-13

Date Collected: 12/19/19 11:05

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			12/23/19 01:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/19 01:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/19 01:26	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/19 01:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/19 01:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/19 01:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/19 01:26	1
Methyl acetate	ND		1.3	1.3	ug/L			12/23/19 01:26	1
Methyl tert-butyl ether	**0.24**	**J**	1.0	0.16	ug/L			12/23/19 01:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/19 01:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/19 01:26	1
Styrene	ND		1.0	0.73	ug/L			12/23/19 01:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/19 01:26	1
Toluene	ND		1.0	0.51	ug/L			12/23/19 01:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/19 01:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/19 01:26	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/19 01:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/19 01:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/19 01:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/19 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*12/23/19 01:26*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*12/23/19 01:26*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*12/23/19 01:26*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*12/23/19 01:26*	*1*

Client Sample ID: MW 6DD 121919

Lab Sample ID: 480-164487-14

Date Collected: 12/19/19 11:10

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/23/19 01:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/19 01:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/19 01:49	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/23/19 01:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/19 01:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/19 01:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/19 01:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/19 01:49	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/23/19 01:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/19 01:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/19 01:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/19 01:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/19 01:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/19 01:49	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/19 01:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/19 01:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/19 01:49	1

Client Sample ID: MW 6DD 121919

Lab Sample ID: 480-164487-14

Date Collected: 12/19/19 11:10

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			12/23/19 01:49	1
Benzene	ND		1.0	0.41	ug/L			12/23/19 01:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/19 01:49	1
Bromoform	ND	*	1.0	0.26	ug/L			12/23/19 01:49	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/19 01:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/19 01:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/19 01:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/19 01:49	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/23/19 01:49	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/19 01:49	1
Chloroform	ND		1.0	0.34	ug/L			12/23/19 01:49	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/19 01:49	1
cis-1,2-Dichloroethene	**15**		1.0	0.81	ug/L			12/23/19 01:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/19 01:49	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/19 01:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/19 01:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/19 01:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/19 01:49	1
Methyl acetate	ND		1.3	1.3	ug/L			12/23/19 01:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/19 01:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/19 01:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/19 01:49	1
Styrene	ND		1.0	0.73	ug/L			12/23/19 01:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/19 01:49	1
Toluene	ND		1.0	0.51	ug/L			12/23/19 01:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/19 01:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/19 01:49	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/19 01:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/19 01:49	1
Vinyl chloride	**1.5**		1.0	0.90	ug/L			12/23/19 01:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/19 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*12/23/19 01:49*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*12/23/19 01:49*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*12/23/19 01:49*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*12/23/19 01:49*	*1*

Client Sample ID: MW 5S 121919

Lab Sample ID: 480-164487-15

Date Collected: 12/19/19 13:03

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/23/19 02:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/19 02:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/19 02:13	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/23/19 02:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/19 02:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/19 02:13	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 5S 121919
Date Collected: 12/19/19 13:03
Date Received: 12/20/19 16:30

Lab Sample ID: 480-164487-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/19 02:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/19 02:13	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/23/19 02:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/19 02:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/19 02:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/19 02:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/19 02:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/19 02:13	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/19 02:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/19 02:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/19 02:13	1
Acetone	ND		10	3.0	ug/L			12/23/19 02:13	1
Benzene	ND		1.0	0.41	ug/L			12/23/19 02:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/19 02:13	1
Bromoform	ND	*	1.0	0.26	ug/L			12/23/19 02:13	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/19 02:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/19 02:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/19 02:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/19 02:13	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/23/19 02:13	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/19 02:13	1
Chloroform	ND		1.0	0.34	ug/L			12/23/19 02:13	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/19 02:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/19 02:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/19 02:13	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/19 02:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/19 02:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/19 02:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/19 02:13	1
Methyl acetate	ND		1.3	1.3	ug/L			12/23/19 02:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/19 02:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/19 02:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/19 02:13	1
Styrene	ND		1.0	0.73	ug/L			12/23/19 02:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/19 02:13	1
Toluene	ND		1.0	0.51	ug/L			12/23/19 02:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/19 02:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/19 02:13	1
Trichloroethene	**0.51**	**J**	1.0	0.46	ug/L			12/23/19 02:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/19 02:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/19 02:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/19 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*12/23/19 02:13*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*12/23/19 02:13*	*1*
4-Bromofluorobenzene (Surr)	*119*		*73 - 120*		*12/23/19 02:13*	*1*
Dibromofluoromethane (Surr)	*121*		*75 - 123*		*12/23/19 02:13*	*1*

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 4S 121919
Date Collected: 12/19/19 13:15
Date Received: 12/20/19 16:30

Lab Sample ID: 480-164487-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/23/19 02:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/19 02:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/19 02:37	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/23/19 02:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/19 02:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/19 02:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/19 02:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/19 02:37	1
1,2-Dibromoethane (EDB)	ND	*	1.0	0.73	ug/L			12/23/19 02:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/19 02:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/19 02:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/19 02:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/19 02:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/19 02:37	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/19 02:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/19 02:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/19 02:37	1
Acetone	ND		10	3.0	ug/L			12/23/19 02:37	1
Benzene	ND		1.0	0.41	ug/L			12/23/19 02:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/19 02:37	1
Bromoform	ND	*	1.0	0.26	ug/L			12/23/19 02:37	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/19 02:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/19 02:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/19 02:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/19 02:37	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			12/23/19 02:37	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/19 02:37	1
Chloroform	ND		1.0	0.34	ug/L			12/23/19 02:37	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/19 02:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/19 02:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/19 02:37	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/19 02:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/19 02:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/19 02:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/19 02:37	1
Methyl acetate	ND		1.3	1.3	ug/L			12/23/19 02:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/19 02:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/19 02:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/19 02:37	1
Styrene	ND		1.0	0.73	ug/L			12/23/19 02:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/19 02:37	1
Toluene	ND		1.0	0.51	ug/L			12/23/19 02:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/19 02:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/19 02:37	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/19 02:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/19 02:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/19 02:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/19 02:37	1

Client Sample ID: MW 4S 121919

Lab Sample ID: 480-164487-16

Date Collected: 12/19/19 13:15

Matrix: Water

Date Received: 12/20/19 16:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*12/23/19 02:37*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/23/19 02:37*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*12/23/19 02:37*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*12/23/19 02:37*	*1*

Client Sample ID: MW 4D 121919

Lab Sample ID: 480-164487-17

Date Collected: 12/19/19 14:55

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/24/19 00:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/24/19 00:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/24/19 00:18	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/24/19 00:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/24/19 00:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/24/19 00:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/24/19 00:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/24/19 00:18	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			12/24/19 00:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/24/19 00:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/24/19 00:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/24/19 00:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/24/19 00:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/24/19 00:18	1
2-Hexanone	ND		5.0	1.2	ug/L			12/24/19 00:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/24/19 00:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/24/19 00:18	1
Acetone	ND		10	3.0	ug/L			12/24/19 00:18	1
Benzene	ND		1.0	0.41	ug/L			12/24/19 00:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/24/19 00:18	1
Bromoform	ND		1.0	0.26	ug/L			12/24/19 00:18	1
Bromomethane	ND		1.0	0.69	ug/L			12/24/19 00:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/24/19 00:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/24/19 00:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/24/19 00:18	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/24/19 00:18	1
Chloroethane	ND		1.0	0.32	ug/L			12/24/19 00:18	1
Chloroform	ND		1.0	0.34	ug/L			12/24/19 00:18	1
Chloromethane	ND		1.0	0.35	ug/L			12/24/19 00:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/24/19 00:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/24/19 00:18	1
Cyclohexane	ND		1.0	0.18	ug/L			12/24/19 00:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/24/19 00:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/24/19 00:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/24/19 00:18	1
Methyl acetate	ND		1.3	1.3	ug/L			12/24/19 00:18	1
Methyl tert-butyl ether	**0.39**	**J**	1.0	0.16	ug/L			12/24/19 00:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/24/19 00:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/24/19 00:18	1

Client Sample ID: MW 4D 121919

Lab Sample ID: 480-164487-17

Date Collected: 12/19/19 14:55

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			12/24/19 00:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/24/19 00:18	1
Toluene	ND		1.0	0.51	ug/L			12/24/19 00:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/24/19 00:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/24/19 00:18	1
Trichloroethene	ND		1.0	0.46	ug/L			12/24/19 00:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/24/19 00:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/24/19 00:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/24/19 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*12/24/19 00:18*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*12/24/19 00:18*	*1*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*12/24/19 00:18*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*12/24/19 00:18*	*1*

Client Sample ID: MW 5D 121919

Lab Sample ID: 480-164487-18

Date Collected: 12/19/19 15:30

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/24/19 00:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/24/19 00:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/24/19 00:42	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/24/19 00:42	1
1,1-Dichloroethane	**0.39**	**J**	1.0	0.38	ug/L			12/24/19 00:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/24/19 00:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/24/19 00:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/24/19 00:42	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			12/24/19 00:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/24/19 00:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/24/19 00:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/24/19 00:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/24/19 00:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/24/19 00:42	1
2-Hexanone	ND		5.0	1.2	ug/L			12/24/19 00:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/24/19 00:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/24/19 00:42	1
Acetone	ND		10	3.0	ug/L			12/24/19 00:42	1
Benzene	ND		1.0	0.41	ug/L			12/24/19 00:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/24/19 00:42	1
Bromoform	ND		1.0	0.26	ug/L			12/24/19 00:42	1
Bromomethane	ND		1.0	0.69	ug/L			12/24/19 00:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/24/19 00:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/24/19 00:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/24/19 00:42	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/24/19 00:42	1
Chloroethane	ND		1.0	0.32	ug/L			12/24/19 00:42	1
Chloroform	ND		1.0	0.34	ug/L			12/24/19 00:42	1

Client Sample ID: MW 5D 121919

Lab Sample ID: 480-164487-18

Date Collected: 12/19/19 15:30

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			12/24/19 00:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/24/19 00:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/24/19 00:42	1
Cyclohexane	ND		1.0	0.18	ug/L			12/24/19 00:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/24/19 00:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/24/19 00:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/24/19 00:42	1
Methyl acetate	ND		1.3	1.3	ug/L			12/24/19 00:42	1
Methyl tert-butyl ether	**0.38**	**J**	1.0	0.16	ug/L			12/24/19 00:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/24/19 00:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/24/19 00:42	1
Styrene	ND		1.0	0.73	ug/L			12/24/19 00:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/24/19 00:42	1
Toluene	ND		1.0	0.51	ug/L			12/24/19 00:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/24/19 00:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/24/19 00:42	1
Trichloroethene	ND		1.0	0.46	ug/L			12/24/19 00:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/24/19 00:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/24/19 00:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/24/19 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*12/24/19 00:42*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/24/19 00:42*	*1*
4-Bromofluorobenzene (Surr)	*122*	*X*	*73 - 120*		*12/24/19 00:42*	*1*
Dibromofluoromethane (Surr)	*119*		*75 - 123*		*12/24/19 00:42*	*1*

Client Sample ID: QC TRIP BLANKS

Lab Sample ID: 480-164487-19

Date Collected: 12/19/19 00:00

Matrix: Water

Date Received: 12/20/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/24/19 01:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/24/19 01:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/24/19 01:06	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/24/19 01:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/24/19 01:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/24/19 01:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/24/19 01:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/24/19 01:06	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			12/24/19 01:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/24/19 01:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/24/19 01:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/24/19 01:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/24/19 01:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/24/19 01:06	1
2-Hexanone	ND		5.0	1.2	ug/L			12/24/19 01:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/24/19 01:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/24/19 01:06	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: QC TRIP BLANKS
Date Collected: 12/19/19 00:00
Date Received: 12/20/19 16:30

Lab Sample ID: 480-164487-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			12/24/19 01:06	1
Benzene	ND		1.0	0.41	ug/L			12/24/19 01:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/24/19 01:06	1
Bromoform	ND		1.0	0.26	ug/L			12/24/19 01:06	1
Bromomethane	ND		1.0	0.69	ug/L			12/24/19 01:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/24/19 01:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/24/19 01:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/24/19 01:06	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/24/19 01:06	1
Chloroethane	ND		1.0	0.32	ug/L			12/24/19 01:06	1
Chloroform	ND		1.0	0.34	ug/L			12/24/19 01:06	1
Chloromethane	ND		1.0	0.35	ug/L			12/24/19 01:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/24/19 01:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/24/19 01:06	1
Cyclohexane	ND		1.0	0.18	ug/L			12/24/19 01:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/24/19 01:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/24/19 01:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/24/19 01:06	1
Methyl acetate	ND		1.3	1.3	ug/L			12/24/19 01:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/24/19 01:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/24/19 01:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/24/19 01:06	1
Styrene	ND		1.0	0.73	ug/L			12/24/19 01:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/24/19 01:06	1
Toluene	ND		1.0	0.51	ug/L			12/24/19 01:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/24/19 01:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/24/19 01:06	1
Trichloroethene	ND		1.0	0.46	ug/L			12/24/19 01:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/24/19 01:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/24/19 01:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/24/19 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*12/24/19 01:06*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/24/19 01:06*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*12/24/19 01:06*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*12/24/19 01:06*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-164487-1	MW 8D 121819	99	103	109	105
480-164487-2	MW 8DD 121819	108	105	111	113
480-164487-2 MS	MW 8DD 121819	108	107	118	117
480-164487-2 MSD	MW 8DD 121819	108	107	118	119
480-164487-3	MW 8S 121819	107	102	108	109
480-164487-4	MW 7D121819	108	106	115	110
480-164487-5	MW 7DD121819	107	105	119	109
480-164487-6	MW 7S 121819	107	106	120	112
480-164487-7	MW 6D 121819	106	107	117	111
480-164487-8	MW 1S 121819	112	108	115	112
480-164487-9	MW 6S 121819	109	106	113	115
480-164487-10	MW 1D 121819	105	105	119	109
480-164487-11	X-1 121819	102	102	112	107
480-164487-12	MW 10D 121919	110	110	118	117
480-164487-13	MW 10S 121919	108	106	111	110
480-164487-14	MW 6DD 121919	109	109	115	112
480-164487-15	MW 5S 121919	117	110	119	121
480-164487-16	MW 4S 121919	105	103	110	109
480-164487-17	MW 4D 121919	105	104	114	113
480-164487-18	MW 5D 121919	116	107	122 X	119
480-164487-19	QC TRIP BLANKS	106	103	113	111
LCS 480-511326/5	Lab Control Sample	106	108	119	113
LCS 480-511528/9	Lab Control Sample	107	106	115	114
MB 480-511326/7	Method Blank	101	99	110	108
MB 480-511528/7	Method Blank	107	103	114	121

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 480-511326/7
Matrix: Water
Analysis Batch: 511326

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/22/19 19:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/19 19:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/19 19:30	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/22/19 19:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/22/19 19:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/19 19:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/19 19:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/19 19:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			12/22/19 19:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/19 19:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/19 19:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/19 19:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/19 19:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/19 19:30	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/19 19:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/19 19:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/19 19:30	1
Acetone	ND		10	3.0	ug/L			12/22/19 19:30	1
Benzene	ND		1.0	0.41	ug/L			12/22/19 19:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/19 19:30	1
Bromoform	ND		1.0	0.26	ug/L			12/22/19 19:30	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/19 19:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/19 19:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/19 19:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/19 19:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/22/19 19:30	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/19 19:30	1
Chloroform	ND		1.0	0.34	ug/L			12/22/19 19:30	1
Chloromethane	ND		1.0	0.35	ug/L			12/22/19 19:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/22/19 19:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/19 19:30	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/19 19:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/19 19:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/19 19:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/19 19:30	1
Methyl acetate	ND		1.3	1.3	ug/L			12/22/19 19:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/19 19:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/19 19:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/19 19:30	1
Styrene	ND		1.0	0.73	ug/L			12/22/19 19:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/22/19 19:30	1
Toluene	ND		1.0	0.51	ug/L			12/22/19 19:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/19 19:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/19 19:30	1
Trichloroethene	ND		1.0	0.46	ug/L			12/22/19 19:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/19 19:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/22/19 19:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/19 19:30	1

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

Lab Sample ID: MB 480-511326/7
Matrix: Water
Analysis Batch: 511326

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		12/22/19 19:30	1
Toluene-d8 (Surr)	99		80 - 120		12/22/19 19:30	1
4-Bromofluorobenzene (Surr)	110		73 - 120		12/22/19 19:30	1
Dibromofluoromethane (Surr)	108		75 - 123		12/22/19 19:30	1

Lab Sample ID: LCS 480-511326/5
Matrix: Water
Analysis Batch: 511326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	28.5		ug/L		114	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.0		ug/L		104	76 - 120
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	28.2		ug/L		113	61 - 148
1,1-Dichloroethane	25.0	26.1		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	27.0		ug/L		108	66 - 127
1,2,4-Trichlorobenzene	25.0	27.7		ug/L		111	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.3		ug/L		109	56 - 134
1,2-Dibromoethane (EDB)	25.0	30.2	*	ug/L		121	77 - 120
1,2-Dichlorobenzene	25.0	26.9		ug/L		108	80 - 124
1,2-Dichloroethane	25.0	27.3		ug/L		109	75 - 120
1,2-Dichloropropane	25.0	26.5		ug/L		106	76 - 120
1,3-Dichlorobenzene	25.0	27.8		ug/L		111	77 - 120
1,4-Dichlorobenzene	25.0	26.6		ug/L		106	80 - 120
2-Hexanone	125	144		ug/L		115	65 - 127
2-Butanone (MEK)	125	138		ug/L		111	57 - 140
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		109	71 - 125
Acetone	125	140		ug/L		112	56 - 142
Benzene	25.0	26.4		ug/L		106	71 - 124
Bromodichloromethane	25.0	29.8		ug/L		119	80 - 122
Bromoform	25.0	33.7	*	ug/L		135	61 - 132
Bromomethane	25.0	27.8		ug/L		111	55 - 144
Carbon disulfide	25.0	25.6		ug/L		102	59 - 134
Carbon tetrachloride	25.0	30.3		ug/L		121	72 - 134
Chlorobenzene	25.0	28.0		ug/L		112	80 - 120
Chlorodibromomethane	25.0	32.3	*	ug/L		129	75 - 125
Chloroethane	25.0	25.3		ug/L		101	69 - 136
Chloroform	25.0	27.8		ug/L		111	73 - 127
Chloromethane	25.0	24.6		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	27.0		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	28.6		ug/L		114	74 - 124
Cyclohexane	25.0	26.0		ug/L		104	59 - 135
Dichlorodifluoromethane	25.0	28.2		ug/L		113	59 - 135
Ethylbenzene	25.0	27.0		ug/L		108	77 - 123
Isopropylbenzene	25.0	26.3		ug/L		105	77 - 122
Methyl acetate	50.0	52.4		ug/L		105	74 - 133
Methyl tert-butyl ether	25.0	26.3		ug/L		105	77 - 120
Methylcyclohexane	25.0	26.8		ug/L		107	68 - 134

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

Lab Sample ID: LCS 480-511326/5
Matrix: Water
Analysis Batch: 511326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	26.8		ug/L		107	75 - 124
Styrene	25.0	28.8		ug/L		115	80 - 120
Tetrachloroethene	25.0	30.0		ug/L		120	74 - 122
Toluene	25.0	27.2		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	26.9		ug/L		108	73 - 127
trans-1,3-Dichloropropene	25.0	28.6		ug/L		114	80 - 120
Trichloroethene	25.0	27.8		ug/L		111	74 - 123
Trichlorofluoromethane	25.0	28.8		ug/L		115	62 - 150
Vinyl chloride	25.0	24.7		ug/L		99	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*
4-Bromofluorobenzene (Surr)	*119*		*73 - 120*
Dibromofluoromethane (Surr)	*113*		*75 - 123*

Lab Sample ID: MB 480-511528/7
Matrix: Water
Analysis Batch: 511528

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/23/19 22:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/19 22:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/19 22:56	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			12/23/19 22:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/19 22:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/19 22:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/19 22:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/19 22:56	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			12/23/19 22:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/19 22:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/19 22:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/19 22:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/19 22:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/19 22:56	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/19 22:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/19 22:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/19 22:56	1
Acetone	ND		10	3.0	ug/L			12/23/19 22:56	1
Benzene	ND		1.0	0.41	ug/L			12/23/19 22:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/19 22:56	1
Bromoform	ND		1.0	0.26	ug/L			12/23/19 22:56	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/19 22:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/19 22:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/19 22:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/19 22:56	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			12/23/19 22:56	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/19 22:56	1

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

Lab Sample ID: MB 480-511528/7
Matrix: Water
Analysis Batch: 511528

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			12/23/19 22:56	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/19 22:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/19 22:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/19 22:56	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/19 22:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/19 22:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/19 22:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/19 22:56	1
Methyl acetate	ND		1.3	1.3	ug/L			12/23/19 22:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/19 22:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/19 22:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/19 22:56	1
Styrene	ND		1.0	0.73	ug/L			12/23/19 22:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/19 22:56	1
Toluene	ND		1.0	0.51	ug/L			12/23/19 22:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/19 22:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/19 22:56	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/19 22:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/19 22:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/19 22:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/19 22:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*12/23/19 22:56*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/23/19 22:56*	*1*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*12/23/19 22:56*	*1*
Dibromofluoromethane (Surr)	*121*		*75 - 123*		*12/23/19 22:56*	*1*

Lab Sample ID: LCS 480-511528/9
Matrix: Water
Analysis Batch: 511528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.9		ug/L		92	76 - 120
1,1,2-Trichloroethane	25.0	24.9		ug/L		100	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	24.3		ug/L		97	61 - 148
1,1-Dichloroethane	25.0	23.9		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	24.5		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	25.0	25.7		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.0		ug/L		92	56 - 134
1,2-Dibromoethane (EDB)	25.0	28.0		ug/L		112	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	26.4		ug/L		106	75 - 120
1,2-Dichloropropane	25.0	24.7		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.1		ug/L		97	80 - 120
2-Hexanone	125	130		ug/L		104	65 - 127

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

Lab Sample ID: LCS 480-511528/9
Matrix: Water
Analysis Batch: 511528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	125	128		ug/L		103	57 - 140
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		98	71 - 125
Acetone	125	128		ug/L		102	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	27.2		ug/L		109	80 - 122
Bromoform	25.0	29.5		ug/L		118	61 - 132
Bromomethane	25.0	27.5		ug/L		110	55 - 144
Carbon disulfide	25.0	22.4		ug/L		90	59 - 134
Carbon tetrachloride	25.0	26.9		ug/L		108	72 - 134
Chlorobenzene	25.0	26.3		ug/L		105	80 - 120
Chlorodibromomethane	25.0	28.7		ug/L		115	75 - 125
Chloroethane	25.0	23.7		ug/L		95	69 - 136
Chloroform	25.0	25.6		ug/L		102	73 - 127
Chloromethane	25.0	22.7		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Cyclohexane	25.0	22.4		ug/L		90	59 - 135
Dichlorodifluoromethane	25.0	24.8		ug/L		99	59 - 135
Ethylbenzene	25.0	24.2		ug/L		97	77 - 123
Isopropylbenzene	25.0	22.9		ug/L		92	77 - 122
Methyl acetate	50.0	46.8		ug/L		94	74 - 133
Methyl tert-butyl ether	25.0	24.6		ug/L		98	77 - 120
Methylcyclohexane	25.0	22.7		ug/L		91	68 - 134
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124
Styrene	25.0	26.5		ug/L		106	80 - 120
Tetrachloroethene	25.0	26.1		ug/L		104	74 - 122
Toluene	25.0	25.1		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.9		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	25.0	25.8		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	26.2		ug/L		105	62 - 150
Vinyl chloride	25.0	22.9		ug/L		91	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*
Dibromofluoromethane (Surr)	*114*		*75 - 123*

Lab Sample ID: 480-164487-2 MS
Matrix: Water
Analysis Batch: 511528

Client Sample ID: MW 8DD 121819
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	28.1		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloroethane	ND		25.0	25.2		ug/L		101	76 - 122
1,1,2-Trichlorotrifluoroethane	ND		25.0	24.8		ug/L		99	61 - 148

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

Lab Sample ID: 480-164487-2 MS
Matrix: Water
Analysis Batch: 511528

Client Sample ID: MW 8DD 121819
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		25.0	25.5		ug/L		102	77 - 120
1,1-Dichloroethene	ND		25.0	25.4		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	26.2		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	23.3		ug/L		93	56 - 134
1,2-Dibromoethane (EDB)	ND	*	25.0	27.5		ug/L		110	77 - 120
1,2-Dichlorobenzene	ND		25.0	25.1		ug/L		100	80 - 124
1,2-Dichloroethane	ND		25.0	26.4		ug/L		106	75 - 120
1,2-Dichloropropane	ND		25.0	25.1		ug/L		100	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.7		ug/L		103	77 - 120
1,4-Dichlorobenzene	ND		25.0	24.9		ug/L		100	78 - 124
2-Hexanone	ND		125	124		ug/L		99	65 - 127
2-Butanone (MEK)	ND		125	118		ug/L		95	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	121		ug/L		96	71 - 125
Acetone	ND		125	110		ug/L		88	56 - 142
Benzene	ND		25.0	25.9		ug/L		103	71 - 124
Bromodichloromethane	ND		25.0	28.1		ug/L		112	80 - 122
Bromoform	ND	*	25.0	28.2		ug/L		113	61 - 132
Bromomethane	ND		25.0	30.3		ug/L		121	55 - 144
Carbon disulfide	ND		25.0	23.0		ug/L		92	59 - 134
Carbon tetrachloride	ND		25.0	28.8		ug/L		115	72 - 134
Chlorobenzene	ND		25.0	26.9		ug/L		108	80 - 120
Chlorodibromomethane	ND	*	25.0	30.1		ug/L		120	75 - 125
Chloroethane	ND		25.0	26.9		ug/L		107	69 - 136
Chloroform	ND		25.0	26.8		ug/L		107	73 - 127
Chloromethane	ND		25.0	24.2		ug/L		97	68 - 124
cis-1,2-Dichloroethene	ND		25.0	27.1		ug/L		108	74 - 124
cis-1,3-Dichloropropene	ND		25.0	24.9		ug/L		100	74 - 124
Cyclohexane	ND		25.0	23.3		ug/L		93	59 - 135
Dichlorodifluoromethane	ND		25.0	26.1		ug/L		104	59 - 135
Ethylbenzene	ND		25.0	26.0		ug/L		104	77 - 123
Isopropylbenzene	ND		25.0	24.8		ug/L		99	77 - 122
Methyl acetate	ND		50.0	42.9		ug/L		86	74 - 133
Methyl tert-butyl ether	ND		25.0	25.1		ug/L		101	77 - 120
Methylcyclohexane	ND		25.0	24.3		ug/L		97	68 - 134
Methylene Chloride	ND		25.0	25.6		ug/L		103	75 - 124
Styrene	ND		25.0	26.7		ug/L		107	80 - 120
Tetrachloroethene	ND		25.0	28.7		ug/L		115	74 - 122
Toluene	ND		25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	ND		25.0	26.7		ug/L		107	73 - 127
trans-1,3-Dichloropropene	ND		25.0	24.8		ug/L		99	80 - 120
Trichloroethene	ND		25.0	28.0		ug/L		112	74 - 123
Trichlorofluoromethane	ND		25.0	29.1		ug/L		116	62 - 150
Vinyl chloride	ND		25.0	25.6		ug/L		103	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*118*		*73 - 120*

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

Lab Sample ID: 480-164487-2 MS
Matrix: Water
Analysis Batch: 511528

Client Sample ID: MW 8DD 121819
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	*117*		*75 - 123*

Lab Sample ID: 480-164487-2 MSD
Matrix: Water
Analysis Batch: 511528

Client Sample ID: MW 8DD 121819
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	29.2		ug/L		117	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		25.0	22.7		ug/L		91	76 - 120	4	15
1,1,2-Trichloroethane	ND		25.0	24.4		ug/L		98	76 - 122	3	15
1,1,2-Trichlorotrifluoroethane	ND		25.0	24.2		ug/L		97	61 - 148	2	20
1,1-Dichloroethane	ND		25.0	26.1		ug/L		104	77 - 120	2	20
1,1-Dichloroethene	ND		25.0	26.2		ug/L		105	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		25.0	24.4		ug/L		98	79 - 122	7	20
1,2-Dibromo-3-Chloropropane	ND		25.0	21.7		ug/L		87	56 - 134	7	15
1,2-Dibromoethane (EDB)	ND	*	25.0	27.2		ug/L		109	77 - 120	1	15
1,2-Dichlorobenzene	ND		25.0	25.2		ug/L		101	80 - 124	0	20
1,2-Dichloroethane	ND		25.0	26.9		ug/L		107	75 - 120	2	20
1,2-Dichloropropane	ND		25.0	26.0		ug/L		104	76 - 120	4	20
1,3-Dichlorobenzene	ND		25.0	25.3		ug/L		101	77 - 120	2	20
1,4-Dichlorobenzene	ND		25.0	25.2		ug/L		101	78 - 124	1	20
2-Hexanone	ND		125	110		ug/L		88	65 - 127	12	15
2-Butanone (MEK)	ND		125	115		ug/L		92	57 - 140	3	20
4-Methyl-2-pentanone (MIBK)	ND		125	118		ug/L		95	71 - 125	2	35
Acetone	ND		125	110		ug/L		88	56 - 142	0	15
Benzene	ND		25.0	26.4		ug/L		106	71 - 124	2	13
Bromodichloromethane	ND		25.0	28.7		ug/L		115	80 - 122	2	15
Bromoform	ND	*	25.0	27.9		ug/L		112	61 - 132	1	15
Bromomethane	ND		25.0	32.2		ug/L		129	55 - 144	6	15
Carbon disulfide	ND		25.0	23.6		ug/L		94	59 - 134	3	15
Carbon tetrachloride	ND		25.0	29.4		ug/L		118	72 - 134	2	15
Chlorobenzene	ND		25.0	27.6		ug/L		110	80 - 120	3	25
Chlorodibromomethane	ND	*	25.0	29.3		ug/L		117	75 - 125	3	15
Chloroethane	ND		25.0	28.2		ug/L		113	69 - 136	5	15
Chloroform	ND		25.0	27.7		ug/L		111	73 - 127	3	20
Chloromethane	ND		25.0	26.1		ug/L		105	68 - 124	8	15
cis-1,2-Dichloroethene	ND		25.0	28.2		ug/L		113	74 - 124	4	15
cis-1,3-Dichloropropene	ND		25.0	24.9		ug/L		100	74 - 124	0	15
Cyclohexane	ND		25.0	22.9		ug/L		92	59 - 135	2	20
Dichlorodifluoromethane	ND		25.0	26.8		ug/L		107	59 - 135	3	20
Ethylbenzene	ND		25.0	26.4		ug/L		105	77 - 123	1	15
Isopropylbenzene	ND		25.0	25.3		ug/L		101	77 - 122	2	20
Methyl acetate	ND		50.0	42.4		ug/L		85	74 - 133	1	20
Methyl tert-butyl ether	ND		25.0	25.2		ug/L		101	77 - 120	0	37
Methylcyclohexane	ND		25.0	23.2		ug/L		93	68 - 134	4	20
Methylene Chloride	ND		25.0	25.8		ug/L		103	75 - 124	0	15
Styrene	ND		25.0	27.4		ug/L		110	80 - 120	3	20
Tetrachloroethene	ND		25.0	29.7		ug/L		119	74 - 122	3	20

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

Lab Sample ID: 480-164487-2 MSD
Matrix: Water
Analysis Batch: 511528

Client Sample ID: MW 8DD 121819
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		25.0	26.3		ug/L		105	80 - 122	2	15
trans-1,2-Dichloroethene	ND		25.0	27.5		ug/L		110	73 - 127	3	20
trans-1,3-Dichloropropene	ND		25.0	24.4		ug/L		98	80 - 120	1	15
Trichloroethene	ND		25.0	28.3		ug/L		113	74 - 123	1	16
Trichlorofluoromethane	ND		25.0	29.8		ug/L		119	62 - 150	2	20
Vinyl chloride	ND		25.0	27.7		ug/L		111	65 - 133	8	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*118*		*73 - 120*
Dibromofluoromethane (Surr)	*119*		*75 - 123*

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

GC/MS VOA

Analysis Batch: 511326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164487-1	MW 8D 121819	Total/NA	Water	8260C	
480-164487-2	MW 8DD 121819	Total/NA	Water	8260C	
480-164487-3	MW 8S 121819	Total/NA	Water	8260C	
480-164487-4	MW 7D121819	Total/NA	Water	8260C	
480-164487-5	MW 7DD121819	Total/NA	Water	8260C	
480-164487-6	MW 7S 121819	Total/NA	Water	8260C	
480-164487-7	MW 6D 121819	Total/NA	Water	8260C	
480-164487-8	MW 1S 121819	Total/NA	Water	8260C	
480-164487-9	MW 6S 121819	Total/NA	Water	8260C	
480-164487-10	MW 1D 121819	Total/NA	Water	8260C	
480-164487-11	X-1 121819	Total/NA	Water	8260C	
480-164487-12	MW 10D 121919	Total/NA	Water	8260C	
480-164487-13	MW 10S 121919	Total/NA	Water	8260C	
480-164487-14	MW 6DD 121919	Total/NA	Water	8260C	
480-164487-15	MW 5S 121919	Total/NA	Water	8260C	
480-164487-16	MW 4S 121919	Total/NA	Water	8260C	
MB 480-511326/7	Method Blank	Total/NA	Water	8260C	
LCS 480-511326/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 511528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164487-17	MW 4D 121919	Total/NA	Water	8260C	
480-164487-18	MW 5D 121919	Total/NA	Water	8260C	
480-164487-19	QC TRIP BLANKS	Total/NA	Water	8260C	
MB 480-511528/7	Method Blank	Total/NA	Water	8260C	
LCS 480-511528/9	Lab Control Sample	Total/NA	Water	8260C	
480-164487-2 MS	MW 8DD 121819	Total/NA	Water	8260C	
480-164487-2 MSD	MW 8DD 121819	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 8D 121819
Lab Sample ID: 480-164487-1
Date Collected: 12/18/19 10:05
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/22/19 20:41	S1V	TAL BUF

Client Sample ID: MW 8DD 121819
Lab Sample ID: 480-164487-2
Date Collected: 12/18/19 10:58
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/22/19 21:04	S1V	TAL BUF

Client Sample ID: MW 8S 121819
Lab Sample ID: 480-164487-3
Date Collected: 12/18/19 11:35
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/22/19 21:28	S1V	TAL BUF

Client Sample ID: MW 7D121819
Lab Sample ID: 480-164487-4
Date Collected: 12/18/19 12:15
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/22/19 21:52	S1V	TAL BUF

Client Sample ID: MW 7DD121819
Lab Sample ID: 480-164487-5
Date Collected: 12/18/19 13:13
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/22/19 22:16	S1V	TAL BUF

Client Sample ID: MW 7S 121819
Lab Sample ID: 480-164487-6
Date Collected: 12/18/19 13:30
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/22/19 22:39	S1V	TAL BUF

Client Sample ID: MW 6D 121819
Lab Sample ID: 480-164487-7
Date Collected: 12/18/19 15:12
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/22/19 23:03	S1V	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 1S 121819

Lab Sample ID: 480-164487-8

Date Collected: 12/18/19 15:28
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/22/19 23:27	S1V	TAL BUF

Client Sample ID: MW 6S 121819

Lab Sample ID: 480-164487-9

Date Collected: 12/18/19 16:05
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/22/19 23:51	S1V	TAL BUF

Client Sample ID: MW 1D 121819

Lab Sample ID: 480-164487-10

Date Collected: 12/18/19 16:15
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/23/19 00:14	S1V	TAL BUF

Client Sample ID: X-1 121819

Lab Sample ID: 480-164487-11

Date Collected: 12/18/19 00:00
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/23/19 00:38	S1V	TAL BUF

Client Sample ID: MW 10D 121919

Lab Sample ID: 480-164487-12

Date Collected: 12/19/19 10:18
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/23/19 01:02	S1V	TAL BUF

Client Sample ID: MW 10S 121919

Lab Sample ID: 480-164487-13

Date Collected: 12/19/19 11:05
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/23/19 01:26	S1V	TAL BUF

Client Sample ID: MW 6DD 121919

Lab Sample ID: 480-164487-14

Date Collected: 12/19/19 11:10
Matrix: Water
Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/23/19 01:49	S1V	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Client Sample ID: MW 5S 121919

Lab Sample ID: 480-164487-15

Date Collected: 12/19/19 13:03

Matrix: Water

Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/23/19 02:13	S1V	TAL BUF

Client Sample ID: MW 4S 121919

Lab Sample ID: 480-164487-16

Date Collected: 12/19/19 13:15

Matrix: Water

Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511326	12/23/19 02:37	S1V	TAL BUF

Client Sample ID: MW 4D 121919

Lab Sample ID: 480-164487-17

Date Collected: 12/19/19 14:55

Matrix: Water

Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511528	12/24/19 00:18	S1V	TAL BUF

Client Sample ID: MW 5D 121919

Lab Sample ID: 480-164487-18

Date Collected: 12/19/19 15:30

Matrix: Water

Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511528	12/24/19 00:42	S1V	TAL BUF

Client Sample ID: QC TRIP BLANKS

Lab Sample ID: 480-164487-19

Date Collected: 12/19/19 00:00

Matrix: Water

Date Received: 12/20/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	511528	12/24/19 01:06	S1V	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-164487-1
Project/Site: Forest Glen Monitoring

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-164487-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-164487-1	MW 8D 121819	Water	12/18/19 10:05	12/20/19 16:30	
480-164487-2	MW 8DD 121819	Water	12/18/19 10:58	12/20/19 16:30	
480-164487-3	MW 8S 121819	Water	12/18/19 11:35	12/20/19 16:30	
480-164487-4	MW 7D121819	Water	12/18/19 12:15	12/20/19 16:30	
480-164487-5	MW 7DD121819	Water	12/18/19 13:13	12/20/19 16:30	
480-164487-6	MW 7S 121819	Water	12/18/19 13:30	12/20/19 16:30	
480-164487-7	MW 6D 121819	Water	12/18/19 15:12	12/20/19 16:30	
480-164487-8	MW 1S 121819	Water	12/18/19 15:28	12/20/19 16:30	
480-164487-9	MW 6S 121819	Water	12/18/19 16:05	12/20/19 16:30	
480-164487-10	MW 1D 121819	Water	12/18/19 16:15	12/20/19 16:30	
480-164487-11	X-1 121819	Water	12/18/19 00:00	12/20/19 16:30	
480-164487-12	MW 10D 121919	Water	12/19/19 10:18	12/20/19 16:30	
480-164487-13	MW 10S 121919	Water	12/19/19 11:05	12/20/19 16:30	
480-164487-14	MW 6DD 121919	Water	12/19/19 11:10	12/20/19 16:30	
480-164487-15	MW 5S 121919	Water	12/19/19 13:03	12/20/19 16:30	
480-164487-16	MW 4S 121919	Water	12/19/19 13:15	12/20/19 16:30	
480-164487-17	MW 4D 121919	Water	12/19/19 14:55	12/20/19 16:30	
480-164487-18	MW 5D 121919	Water	12/19/19 15:30	12/20/19 16:30	
480-164487-19	QC TRIP BLANKS	Water	12/19/19 00:00	12/20/19 16:30	

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-164487-1
Project/Site: Forest Glen Monitoring

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	Methyl acetate	Water	Total/NA	ug/L	1.3	2.5

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information	Sampler: MArTin Koenrecke Kirsten Dw	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-139245-26531.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 2
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	
City: East Syracuse	TAT Requested (days):	
State, Zip: NY, 13221		
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91902546	
Email: Yuri.Veliz@obg.com	WO #:	
Project Name: Forest Glen Monitoring	Project #: 48002808	
Site:	SSOW#:	

Analysis Requested

480-164487 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	A	X	
MW 8D 121819	12-18-19	10:05	G	Water			3		
MW 8DD 121819	12-18-19	10:58	G	Water			3		
MW 8DD MS 121819	12-18-19	10:58	G	Water			3		
MW 8DD MSD 121819	12-18-19	10:58	G	Water			3		
MW 8S 121819	12-18-19	11:35	G	Water			3		
MW 7D 121819	12-18-19	12:15	G	Water			3		
MW 7DD 121819	12-18-19	13:13	G	Water			3		
MW 7S 121819	12-18-19	13:30	G	Water			3		
MW 6D 121819	12-18-19	15:12	G	Water			3		
MW 1S 121819	12-18-19	15:28	G	Water			3		
MW 6S 121819	12-18-19	16:05	G	Water			3		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: Martin Koenecke / [signature]	Date/Time: 12-19-19 / 16:30	Company: OBG	Received by: [signature]	Date/Time: 12/19/19 1630	Company: TAB
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.3 #IR

Ver: 01/16/2019

TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MARTin Koenecke / Kiersten Duro	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-139245-26531.2
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91902546			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Monitoring	Project #: 48002808			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW 1D 121819	12-18-19	16:15	G	Water			3		
X-1 121819	12-18-19	—	G	Water			3		
MW 10D 121919	12-19-19	10:18	G	Water			3		
MW 10S 121919	12-19-19	11:05	G	Water			3		
MW 6DD 121919	12-19-19	11:10	G	Water			3		
MW 5S 121919	12-19-19	13:03	G	Water			3		
MW 4S 121919	12-19-19	13:15	G	Water			3		
MW 4D 121919	12-19-19	14:55	G	Water			3		
MW 5D 121919	12-19-19	15:30	G	Water			3		
QC TRIP BLANKS				Water			4		
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koenecke / Kiersten Duro	12-19-19 / 16:30	OBG	[illegible]	12/19/19 1630	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 33 #11R

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-164487-1

Login Number: 164487

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Manhardt, Kara M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OB&G
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-150503-1
Client Project/Site: Forest Glen Monitoring

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
4/11/2019 4:41:48 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-150503-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-150503-1

Receipt
The samples were received on 3/19/2019 5:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2º C.

GC/MS VOA
Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW 1S 031819 (480-150503-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC
Method(s) 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW 1D 031819 (480-150503-1), MW 1S 031819 (480-150503-2), MW 8DD 031919 (480-150503-3), MW 8D 031919 (480-150503-4) and MW 7DD 031919 (480-150503-8). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW 1S 031819 (480-150503-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method(s) 353.2: The following sample(s) was received with less than 1 days remaining on the holding time on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW 1D 031819 (480-150503-1) and MW 1S 031819 (480-150503-2).

Method(s) 353.2: The following sample(s) was received with less than 1 days remaining on the holding time on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW 1S 031819 (480-150503-2).

Method(s) 353.2: The following sample(s) was received with less than 1 days remaining on the holding time on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW 1D 031819 (480-150503-1).

Method(s) Nitrate by calc: The following sample(s) was received with less than 1 days remaining on the holding time on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW 1D 031819 (480-150503-1) and MW 1S 031819 (480-150503-2).

Method(s) SM 4500 S2 D: Reanalysis of the following samples were performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. MW 1S 031819 (480-150503-2), MW 8S 031919 (480-150503-5), MW 7D 031919 (480-150503-6), MW 7S 031919 (480-150503-7), MW 7DD 031919 (480-150503-8) and X-1 031919 (480-150503-9). Both sets of data are reported.

Method(s) SM 4500 S2 D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 490-585390 recovered outside control limits for the following analyte: Sulfide. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) SM 4500 S2 D: Both matrix spikes and one matrix spike duplicate had low recoveries. Matrix interference and/or non-homogeneity is suspected: (480-150503-A-5 MS).

Method(s) SM 4500 S2 D: Reanalysis of the following samples were performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. MW 1D 031819 (480-150503-1), MW 8DD 031919 (480-150503-3) and MW 8D 031919 (480-150503-4). Both sets of data are reported.

Job ID: 480-150503-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: MW 1D 031819 — Lab Sample ID: 480-150503-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.64	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	298		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	173		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	294	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.084	J *	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide - RA	0.060	J H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	2.8	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 1S 031819 — Lab Sample ID: 480-150503-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2240		25.0	14.1	mg/L	50		300.0	Total/NA
Sulfate	243		40.0	7.0	mg/L	20		300.0	Total/NA
Alkalinity, Bicarbonate	207	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.17	H	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	2.7	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 8DD 031919 — Lab Sample ID: 480-150503-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	79.6		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	131		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	207	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Sulfide	0.44	*	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide - RA	0.24	H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	4.1	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 8D 031919 — Lab Sample ID: 480-150503-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.52	J	1.0	0.38	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	101		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	121		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	264	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Sulfide	0.64	*	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide - RA	0.38	H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	4.0	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 8S 031919 — Lab Sample ID: 480-150503-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.76	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	3.1		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	6.0		0.50	0.28	mg/L	1		300.0	Total/NA
Sulfate	35.3		2.0	0.35	mg/L	1		300.0	Total/NA
Alkalinity, Bicarbonate	130	B	20.0	8.0	mg/L	2		310.2_ASP	Total/NA
Nitrate as N	0.17		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	1.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: MW 7D 031919 — Lab Sample ID: 480-150503-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.37	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.1		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	23.2		0.50	0.28	mg/L	1		300.0	Total/NA
Sulfate	32.6		2.0	0.35	mg/L	1		300.0	Total/NA
Alkalinity, Bicarbonate	146	B	20.0	8.0	mg/L	2		310.2_ASP	Total/NA
Nitrate as N	0.61		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.1	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 7S 031919 — Lab Sample ID: 480-150503-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.42	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.3		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	42.8		0.50	0.28	mg/L	1		300.0	Total/NA
Sulfate	45.6		2.0	0.35	mg/L	1		300.0	Total/NA
Alkalinity, Bicarbonate	147	B	20.0	8.0	mg/L	2		310.2_ASP	Total/NA
Nitrate as N	0.63		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	1.8	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 7DD 031919 — Lab Sample ID: 480-150503-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	45.9		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	428		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	199	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	3.8	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: X-1 031919 — Lab Sample ID: 480-150503-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.50	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.2		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	43.6		0.50	0.28	mg/L	1		300.0	Total/NA
Sulfate	45.9		2.0	0.35	mg/L	1		300.0	Total/NA
Alkalinity, Bicarbonate	153	B	20.0	8.0	mg/L	2		310.2_ASP	Total/NA
Nitrate as N	0.65		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	1.9	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: TRIP BLANKS — Lab Sample ID: 480-150503-10

No Detections.

This Detection Summary does not include radiochemical test results.

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: MW 1D 031819
Date Collected: 03/18/19 15:50
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/19 13:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/19 13:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/19 13:31	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/20/19 13:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/19 13:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/19 13:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/19 13:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/19 13:31	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/20/19 13:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/19 13:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/19 13:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/19 13:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/19 13:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/19 13:31	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/19 13:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/19 13:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/19 13:31	1
Acetone	ND		10	3.0	ug/L			03/20/19 13:31	1
Benzene	ND		1.0	0.41	ug/L			03/20/19 13:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/19 13:31	1
Bromoform	ND		1.0	0.26	ug/L			03/20/19 13:31	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/19 13:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/19 13:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/19 13:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/19 13:31	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/20/19 13:31	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/19 13:31	1
Chloroform	ND		1.0	0.34	ug/L			03/20/19 13:31	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/19 13:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/19 13:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/19 13:31	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/19 13:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/19 13:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/19 13:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/19 13:31	1
Methyl acetate	ND		1.3	1.3	ug/L			03/20/19 13:31	1
Methyl tert-butyl ether	**0.64**	**J**	1.0	0.16	ug/L			03/20/19 13:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/19 13:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/19 13:31	1
Styrene	ND		1.0	0.73	ug/L			03/20/19 13:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/20/19 13:31	1
Toluene	ND		1.0	0.51	ug/L			03/20/19 13:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/19 13:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/19 13:31	1
Trichloroethene	ND		1.0	0.46	ug/L			03/20/19 13:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/19 13:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/19 13:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/19 13:31	1

Client Sample ID: MW 1D 031819

Lab Sample ID: 480-150503-1

Date Collected: 03/18/19 15:50

Matrix: Water

Date Received: 03/19/19 17:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/20/19 13:31*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*03/20/19 13:31*	*1*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*03/20/19 13:31*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*03/20/19 13:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**298**		2.5	1.4	mg/L			03/21/19 13:02	5
Sulfate	**173**		10.0	1.7	mg/L			03/21/19 13:02	5
Alkalinity, Bicarbonate	**294**	**B**	40.0	16.0	mg/L			03/27/19 10:57	4
Nitrate as N	ND	H	0.050	0.020	mg/L			03/20/19 19:45	1
Nitrite as N	ND	H	0.050	0.020	mg/L			03/20/19 19:45	1
Sulfide	**0.084**	**J ***	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**0.060**	**J H**	0.10	0.050	mg/L			04/08/19 14:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.8**	**B**	1.0	0.43	mg/L			03/22/19 01:45	1

Client Sample ID: MW 1S 031819

Lab Sample ID: 480-150503-2

Date Collected: 03/18/19 16:10

Matrix: Water

Date Received: 03/19/19 17:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			03/20/19 13:55	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/20/19 13:55	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/20/19 13:55	2
1,1,2-Trichlorotrifluoroethane	ND		2.0	0.62	ug/L			03/20/19 13:55	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/20/19 13:55	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/20/19 13:55	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/20/19 13:55	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			03/20/19 13:55	2
1,2-Dibromoethane (EDB)	ND		2.0	1.5	ug/L			03/20/19 13:55	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			03/20/19 13:55	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/20/19 13:55	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/20/19 13:55	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/20/19 13:55	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			03/20/19 13:55	2
2-Hexanone	ND		10	2.5	ug/L			03/20/19 13:55	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/20/19 13:55	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/20/19 13:55	2
Acetone	ND		20	6.0	ug/L			03/20/19 13:55	2
Benzene	ND		2.0	0.82	ug/L			03/20/19 13:55	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/20/19 13:55	2
Bromoform	ND		2.0	0.52	ug/L			03/20/19 13:55	2
Bromomethane	ND		2.0	1.4	ug/L			03/20/19 13:55	2

Client Sample ID: MW 1S 031819
Date Collected: 03/18/19 16:10
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		2.0	0.38	ug/L			03/20/19 13:55	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/20/19 13:55	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/20/19 13:55	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			03/20/19 13:55	2
Chloroethane	ND		2.0	0.64	ug/L			03/20/19 13:55	2
Chloroform	ND		2.0	0.68	ug/L			03/20/19 13:55	2
Chloromethane	ND		2.0	0.70	ug/L			03/20/19 13:55	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			03/20/19 13:55	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/20/19 13:55	2
Cyclohexane	ND		2.0	0.36	ug/L			03/20/19 13:55	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			03/20/19 13:55	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/20/19 13:55	2
Isopropylbenzene	ND		2.0	1.6	ug/L			03/20/19 13:55	2
Methyl acetate	ND		2.6	2.6	ug/L			03/20/19 13:55	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			03/20/19 13:55	2
Methylcyclohexane	ND		2.0	0.32	ug/L			03/20/19 13:55	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/20/19 13:55	2
Styrene	ND		2.0	1.5	ug/L			03/20/19 13:55	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/20/19 13:55	2
Toluene	ND		2.0	1.0	ug/L			03/20/19 13:55	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/20/19 13:55	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/20/19 13:55	2
Trichloroethene	ND		2.0	0.92	ug/L			03/20/19 13:55	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			03/20/19 13:55	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/20/19 13:55	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/20/19 13:55	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*03/20/19 13:55*	*2*
Toluene-d8 (Surr)	*84*		*80 - 120*		*03/20/19 13:55*	*2*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*03/20/19 13:55*	*2*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*03/20/19 13:55*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2240**		25.0	14.1	mg/L			03/21/19 18:07	50
Sulfate	**243**		40.0	7.0	mg/L			03/21/19 13:10	20
Alkalinity, Bicarbonate	**207**	**B**	30.0	12.0	mg/L			03/27/19 10:57	3
Nitrate as N	**0.17**	**H**	0.050	0.020	mg/L			03/20/19 21:59	1
Nitrite as N	ND	H	0.050	0.020	mg/L			03/20/19 21:59	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.7**	**B**	1.0	0.43	mg/L			03/22/19 02:00	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: MW 8DD 031919
Date Collected: 03/19/19 09:45
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/19 14:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/19 14:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/19 14:19	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/20/19 14:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/19 14:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/19 14:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/19 14:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/19 14:19	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/20/19 14:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/19 14:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/19 14:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/19 14:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/19 14:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/19 14:19	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/19 14:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/19 14:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/19 14:19	1
Acetone	ND		10	3.0	ug/L			03/20/19 14:19	1
Benzene	ND		1.0	0.41	ug/L			03/20/19 14:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/19 14:19	1
Bromoform	ND		1.0	0.26	ug/L			03/20/19 14:19	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/19 14:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/19 14:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/19 14:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/19 14:19	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/20/19 14:19	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/19 14:19	1
Chloroform	ND		1.0	0.34	ug/L			03/20/19 14:19	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/19 14:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/19 14:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/19 14:19	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/19 14:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/19 14:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/19 14:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/19 14:19	1
Methyl acetate	ND		1.3	1.3	ug/L			03/20/19 14:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/19 14:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/19 14:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/19 14:19	1
Styrene	ND		1.0	0.73	ug/L			03/20/19 14:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/20/19 14:19	1
Toluene	ND		1.0	0.51	ug/L			03/20/19 14:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/19 14:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/19 14:19	1
Trichloroethene	ND		1.0	0.46	ug/L			03/20/19 14:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/19 14:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/19 14:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/19 14:19	1

Client Sample ID: MW 8DD 031919

Date Collected: 03/19/19 09:45
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*03/20/19 14:19*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*03/20/19 14:19*	*1*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*03/20/19 14:19*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*03/20/19 14:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.6**		1.0	0.56	mg/L			03/21/19 13:59	2
Sulfate	**131**		4.0	0.70	mg/L			03/21/19 13:59	2
Alkalinity, Bicarbonate	**207**	**B**	30.0	12.0	mg/L			03/27/19 10:57	3
Nitrate as N	ND		0.050	0.020	mg/L			03/20/19 19:47	1
Nitrite as N	ND		0.050	0.020	mg/L			03/20/19 19:47	1
Sulfide	**0.44**	*****	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**0.24**	**H**	0.10	0.050	mg/L			04/08/19 14:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**4.1**	**B**	1.0	0.43	mg/L			03/22/19 02:15	1

Client Sample ID: MW 8D 031919

Date Collected: 03/19/19 09:50
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/19 14:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/19 14:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/19 14:43	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/20/19 14:43	1
1,1-Dichloroethane	**0.52**	**J**	1.0	0.38	ug/L			03/20/19 14:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/19 14:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/19 14:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/19 14:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/20/19 14:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/19 14:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/19 14:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/19 14:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/19 14:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/19 14:43	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/19 14:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/19 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/19 14:43	1
Acetone	ND		10	3.0	ug/L			03/20/19 14:43	1
Benzene	ND		1.0	0.41	ug/L			03/20/19 14:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/19 14:43	1
Bromoform	ND		1.0	0.26	ug/L			03/20/19 14:43	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/19 14:43	1

Client Sample ID: MW 8D 031919
Date Collected: 03/19/19 09:50
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/19 14:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/19 14:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/19 14:43	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/20/19 14:43	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/19 14:43	1
Chloroform	ND		1.0	0.34	ug/L			03/20/19 14:43	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/19 14:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/19 14:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/19 14:43	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/19 14:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/19 14:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/19 14:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/19 14:43	1
Methyl acetate	ND		1.3	1.3	ug/L			03/20/19 14:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/19 14:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/19 14:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/19 14:43	1
Styrene	ND		1.0	0.73	ug/L			03/20/19 14:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/20/19 14:43	1
Toluene	ND		1.0	0.51	ug/L			03/20/19 14:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/19 14:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/19 14:43	1
Trichloroethene	ND		1.0	0.46	ug/L			03/20/19 14:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/19 14:43	1
Vinyl chloride	**1.1**		1.0	0.90	ug/L			03/20/19 14:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/19 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*03/20/19 14:43*	*1*
Toluene-d8 (Surr)	*83*		*80 - 120*		*03/20/19 14:43*	*1*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*03/20/19 14:43*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/20/19 14:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		1.0	0.56	mg/L			03/21/19 14:08	2
Sulfate	**121**		4.0	0.70	mg/L			03/21/19 14:08	2
Alkalinity, Bicarbonate	**264**	**B**	30.0	12.0	mg/L			03/27/19 11:00	3
Nitrate as N	ND		0.050	0.020	mg/L			03/20/19 19:48	1
Nitrite as N	ND		0.050	0.020	mg/L			03/20/19 19:48	1
Sulfide	**0.64**	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**0.38**	**H**	0.10	0.050	mg/L			04/08/19 14:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**4.0**	**B**	1.0	0.43	mg/L			03/22/19 02:31	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: MW 8S 031919
Date Collected: 03/19/19 12:15
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/19 15:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/19 15:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/19 15:07	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/20/19 15:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/19 15:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/19 15:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/19 15:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/19 15:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/20/19 15:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/19 15:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/19 15:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/19 15:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/19 15:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/19 15:07	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/19 15:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/19 15:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/19 15:07	1
Acetone	ND		10	3.0	ug/L			03/20/19 15:07	1
Benzene	ND		1.0	0.41	ug/L			03/20/19 15:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/19 15:07	1
Bromoform	ND		1.0	0.26	ug/L			03/20/19 15:07	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/19 15:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/19 15:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/19 15:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/19 15:07	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/20/19 15:07	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/19 15:07	1
Chloroform	ND		1.0	0.34	ug/L			03/20/19 15:07	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/19 15:07	1
cis-1,2-Dichloroethene	**1.9**		1.0	0.81	ug/L			03/20/19 15:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/19 15:07	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/19 15:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/19 15:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/19 15:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/19 15:07	1
Methyl acetate	ND		1.3	1.3	ug/L			03/20/19 15:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/19 15:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/19 15:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/19 15:07	1
Styrene	ND		1.0	0.73	ug/L			03/20/19 15:07	1
Tetrachloroethene	**0.76**	**J**	1.0	0.36	ug/L			03/20/19 15:07	1
Toluene	ND		1.0	0.51	ug/L			03/20/19 15:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/19 15:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/19 15:07	1
Trichloroethene	**3.1**		1.0	0.46	ug/L			03/20/19 15:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/19 15:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/19 15:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/19 15:07	1

Client Sample ID: MW 8S 031919

Date Collected: 03/19/19 12:15
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*03/20/19 15:07*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*03/20/19 15:07*	*1*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*03/20/19 15:07*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/20/19 15:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.0**		0.50	0.28	mg/L			03/21/19 14:16	1
Sulfate	**35.3**		2.0	0.35	mg/L			03/21/19 14:16	1
Alkalinity, Bicarbonate	**130**	**B**	20.0	8.0	mg/L			03/27/19 11:34	2
Nitrate as N	**0.17**		0.050	0.020	mg/L			03/20/19 22:01	1
Nitrite as N	ND		0.050	0.020	mg/L			03/20/19 22:01	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H * F1 F2	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**1.2**	**B**	1.0	0.43	mg/L			03/22/19 02:46	1

Client Sample ID: MW 7D 031919

Date Collected: 03/19/19 12:40
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/19 15:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/19 15:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/19 15:31	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/20/19 15:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/19 15:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/19 15:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/19 15:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/19 15:31	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/20/19 15:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/19 15:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/19 15:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/19 15:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/19 15:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/19 15:31	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/19 15:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/19 15:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/19 15:31	1
Acetone	ND		10	3.0	ug/L			03/20/19 15:31	1
Benzene	ND		1.0	0.41	ug/L			03/20/19 15:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/19 15:31	1
Bromoform	ND		1.0	0.26	ug/L			03/20/19 15:31	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/19 15:31	1

Client Sample ID: MW 7D 031919
Date Collected: 03/19/19 12:40
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/19 15:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/19 15:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/19 15:31	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/20/19 15:31	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/19 15:31	1
Chloroform	ND		1.0	0.34	ug/L			03/20/19 15:31	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/19 15:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/19 15:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/19 15:31	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/19 15:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/19 15:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/19 15:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/19 15:31	1
Methyl acetate	ND		1.3	1.3	ug/L			03/20/19 15:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/19 15:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/19 15:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/19 15:31	1
Styrene	ND		1.0	0.73	ug/L			03/20/19 15:31	1
Tetrachloroethene	**0.37**	**J**	1.0	0.36	ug/L			03/20/19 15:31	1
Toluene	ND		1.0	0.51	ug/L			03/20/19 15:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/19 15:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/19 15:31	1
Trichloroethene	**1.1**		1.0	0.46	ug/L			03/20/19 15:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/19 15:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/19 15:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/19 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*03/20/19 15:31*	*1*
Toluene-d8 (Surr)	*84*		*80 - 120*		*03/20/19 15:31*	*1*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*03/20/19 15:31*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*03/20/19 15:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.2**		0.50	0.28	mg/L			03/21/19 14:24	1
Sulfate	**32.6**		2.0	0.35	mg/L			03/21/19 14:24	1
Alkalinity, Bicarbonate	**146**	**B**	20.0	8.0	mg/L			03/27/19 11:34	2
Nitrate as N	**0.61**		0.050	0.020	mg/L			03/20/19 22:02	1
Nitrite as N	ND		0.050	0.020	mg/L			03/20/19 22:02	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.1**	**B**	1.0	0.43	mg/L			03/22/19 03:02	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: MW 7S 031919
Date Collected: 03/19/19 14:35
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/19 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/19 15:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/19 15:55	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/20/19 15:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/19 15:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/19 15:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/19 15:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/19 15:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/20/19 15:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/19 15:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/19 15:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/19 15:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/19 15:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/19 15:55	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/19 15:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/19 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/19 15:55	1
Acetone	ND		10	3.0	ug/L			03/20/19 15:55	1
Benzene	ND		1.0	0.41	ug/L			03/20/19 15:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/19 15:55	1
Bromoform	ND		1.0	0.26	ug/L			03/20/19 15:55	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/19 15:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/19 15:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/19 15:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/19 15:55	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/20/19 15:55	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/19 15:55	1
Chloroform	ND		1.0	0.34	ug/L			03/20/19 15:55	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/19 15:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/19 15:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/19 15:55	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/19 15:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/19 15:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/19 15:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/19 15:55	1
Methyl acetate	ND		1.3	1.3	ug/L			03/20/19 15:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/19 15:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/19 15:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/19 15:55	1
Styrene	ND		1.0	0.73	ug/L			03/20/19 15:55	1
Tetrachloroethene	**0.42**	**J**	1.0	0.36	ug/L			03/20/19 15:55	1
Toluene	ND		1.0	0.51	ug/L			03/20/19 15:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/19 15:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/19 15:55	1
Trichloroethene	**1.3**		1.0	0.46	ug/L			03/20/19 15:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/19 15:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/19 15:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/19 15:55	1

Client Sample ID: MW 7S 031919

Lab Sample ID: 480-150503-7

Date Collected: 03/19/19 14:35

Matrix: Water

Date Received: 03/19/19 17:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*03/20/19 15:55*	*1*
Toluene-d8 (Surr)	*82*		*80 - 120*		*03/20/19 15:55*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*03/20/19 15:55*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/20/19 15:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.8**		0.50	0.28	mg/L			03/21/19 14:32	1
Sulfate	**45.6**		2.0	0.35	mg/L			03/21/19 14:32	1
Alkalinity, Bicarbonate	**147**	**B**	20.0	8.0	mg/L			03/27/19 11:34	2
Nitrate as N	**0.63**		0.050	0.020	mg/L			03/20/19 22:03	1
Nitrite as N	ND		0.050	0.020	mg/L			03/20/19 22:03	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**1.8**	**B**	1.0	0.43	mg/L			03/22/19 03:17	1

Client Sample ID: MW 7DD 031919

Lab Sample ID: 480-150503-8

Date Collected: 03/19/19 14:40

Matrix: Water

Date Received: 03/19/19 17:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/19 16:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/19 16:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/19 16:19	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/20/19 16:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/19 16:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/19 16:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/19 16:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/19 16:19	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/20/19 16:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/19 16:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/19 16:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/19 16:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/19 16:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/19 16:19	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/19 16:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/19 16:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/19 16:19	1
Acetone	ND		10	3.0	ug/L			03/20/19 16:19	1
Benzene	ND		1.0	0.41	ug/L			03/20/19 16:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/19 16:19	1
Bromoform	ND		1.0	0.26	ug/L			03/20/19 16:19	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/19 16:19	1

Client Sample ID: MW 7DD 031919
Date Collected: 03/19/19 14:40
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/19 16:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/19 16:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/19 16:19	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/20/19 16:19	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/19 16:19	1
Chloroform	ND		1.0	0.34	ug/L			03/20/19 16:19	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/19 16:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/19 16:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/19 16:19	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/19 16:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/19 16:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/19 16:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/19 16:19	1
Methyl acetate	ND		1.3	1.3	ug/L			03/20/19 16:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/19 16:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/19 16:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/19 16:19	1
Styrene	ND		1.0	0.73	ug/L			03/20/19 16:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/20/19 16:19	1
Toluene	ND		1.0	0.51	ug/L			03/20/19 16:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/19 16:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/19 16:19	1
Trichloroethene	ND		1.0	0.46	ug/L			03/20/19 16:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/19 16:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/19 16:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/19 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*03/20/19 16:19*	*1*
Toluene-d8 (Surr)	*84*		*80 - 120*		*03/20/19 16:19*	*1*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*03/20/19 16:19*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*03/20/19 16:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.9**		2.5	1.4	mg/L			03/21/19 14:40	5
Sulfate	**428**		10.0	1.7	mg/L			03/21/19 14:40	5
Alkalinity, Bicarbonate	**199**	**B**	30.0	12.0	mg/L			03/27/19 11:00	3
Nitrate as N	ND		0.050	0.020	mg/L			03/20/19 20:00	1
Nitrite as N	ND		0.050	0.020	mg/L			03/20/19 20:00	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.8**	**B**	1.0	0.43	mg/L			03/22/19 03:32	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: X-1 031919
Date Collected: 03/19/19 00:00
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/19 16:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/19 16:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/19 16:43	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/20/19 16:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/19 16:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/19 16:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/19 16:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/19 16:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/20/19 16:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/19 16:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/19 16:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/19 16:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/19 16:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/19 16:43	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/19 16:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/19 16:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/19 16:43	1
Acetone	ND		10	3.0	ug/L			03/20/19 16:43	1
Benzene	ND		1.0	0.41	ug/L			03/20/19 16:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/19 16:43	1
Bromoform	ND		1.0	0.26	ug/L			03/20/19 16:43	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/19 16:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/19 16:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/19 16:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/19 16:43	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/20/19 16:43	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/19 16:43	1
Chloroform	ND		1.0	0.34	ug/L			03/20/19 16:43	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/19 16:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/19 16:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/19 16:43	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/19 16:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/19 16:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/19 16:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/19 16:43	1
Methyl acetate	ND		1.3	1.3	ug/L			03/20/19 16:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/19 16:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/19 16:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/19 16:43	1
Styrene	ND		1.0	0.73	ug/L			03/20/19 16:43	1
Tetrachloroethene	**0.50**	**J**	1.0	0.36	ug/L			03/20/19 16:43	1
Toluene	ND		1.0	0.51	ug/L			03/20/19 16:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/19 16:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/19 16:43	1
Trichloroethene	**1.2**		1.0	0.46	ug/L			03/20/19 16:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/19 16:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/19 16:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/19 16:43	1

Client Sample ID: X-1 031919

Date Collected: 03/19/19 00:00
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-9

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*03/20/19 16:43*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*03/20/19 16:43*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*03/20/19 16:43*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/20/19 16:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.6**		0.50	0.28	mg/L			03/21/19 15:23	1
Sulfate	**45.9**		2.0	0.35	mg/L			03/21/19 15:23	1
Alkalinity, Bicarbonate	**153**	**B**	20.0	8.0	mg/L			03/27/19 11:36	2
Nitrate as N	**0.65**		0.050	0.020	mg/L			03/20/19 22:05	1
Nitrite as N	ND		0.050	0.020	mg/L			03/20/19 22:05	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**1.9**	**B**	1.0	0.43	mg/L			03/22/19 03:47	1

Client Sample ID: TRIP BLANKS

Date Collected: 03/19/19 00:00
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/19 17:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/19 17:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/19 17:06	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/20/19 17:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/19 17:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/19 17:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/19 17:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/19 17:06	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/20/19 17:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/19 17:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/19 17:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/19 17:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/19 17:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/19 17:06	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/19 17:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/19 17:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/19 17:06	1
Acetone	ND		10	3.0	ug/L			03/20/19 17:06	1
Benzene	ND		1.0	0.41	ug/L			03/20/19 17:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/19 17:06	1
Bromoform	ND		1.0	0.26	ug/L			03/20/19 17:06	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/19 17:06	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: TRIP BLANKS
Date Collected: 03/19/19 00:00
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/19 17:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/19 17:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/19 17:06	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/20/19 17:06	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/19 17:06	1
Chloroform	ND		1.0	0.34	ug/L			03/20/19 17:06	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/19 17:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/19 17:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/19 17:06	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/19 17:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/19 17:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/19 17:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/19 17:06	1
Methyl acetate	ND		1.3	1.3	ug/L			03/20/19 17:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/19 17:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/19 17:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/19 17:06	1
Styrene	ND		1.0	0.73	ug/L			03/20/19 17:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/20/19 17:06	1
Toluene	ND		1.0	0.51	ug/L			03/20/19 17:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/19 17:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/19 17:06	1
Trichloroethene	ND		1.0	0.46	ug/L			03/20/19 17:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/19 17:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/19 17:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/19 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*03/20/19 17:06*	*1*
Toluene-d8 (Surr)	*84*		*80 - 120*		*03/20/19 17:06*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*03/20/19 17:06*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*03/20/19 17:06*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-150503-1	MW 1D 031819	92	85	83	96
480-150503-2	MW 1S 031819	100	84	82	98
480-150503-3	MW 8DD 031919	91	85	81	89
480-150503-4	MW 8D 031919	90	83	81	94
480-150503-5	MW 8S 031919	89	85	84	93
480-150503-6	MW 7D 031919	91	84	80	97
480-150503-7	MW 7S 031919	88	82	82	93
480-150503-8	MW 7DD 031919	90	84	80	96
480-150503-9	X-1 031919	95	85	82	93
480-150503-10	TRIP BLANKS	96	84	82	97
LCS 480-463744/5	Lab Control Sample	87	92	90	91
MB 480-463744/7	Method Blank	92	88	83	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

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

Lab Sample ID: MB 480-463744/7
Matrix: Water
Analysis Batch: 463744

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/19 11:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/19 11:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/19 11:11	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/20/19 11:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/19 11:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/19 11:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/19 11:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/19 11:11	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/20/19 11:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/19 11:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/19 11:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/19 11:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/19 11:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/19 11:11	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/19 11:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/19 11:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/19 11:11	1
Acetone	ND		10	3.0	ug/L			03/20/19 11:11	1
Benzene	ND		1.0	0.41	ug/L			03/20/19 11:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/19 11:11	1
Bromoform	ND		1.0	0.26	ug/L			03/20/19 11:11	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/19 11:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/19 11:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/19 11:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/19 11:11	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/20/19 11:11	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/19 11:11	1
Chloroform	ND		1.0	0.34	ug/L			03/20/19 11:11	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/19 11:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/19 11:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/19 11:11	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/19 11:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/19 11:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/19 11:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/19 11:11	1
Methyl acetate	ND		1.3	1.3	ug/L			03/20/19 11:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/19 11:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/19 11:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/19 11:11	1
Styrene	ND		1.0	0.73	ug/L			03/20/19 11:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/20/19 11:11	1
Toluene	ND		1.0	0.51	ug/L			03/20/19 11:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/19 11:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/19 11:11	1
Trichloroethene	ND		1.0	0.46	ug/L			03/20/19 11:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/19 11:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/19 11:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/19 11:11	1

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

Lab Sample ID: MB 480-463744/7
Matrix: Water
Analysis Batch: 463744

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		03/20/19 11:11	1
Toluene-d8 (Surr)	88		80 - 120		03/20/19 11:11	1
4-Bromofluorobenzene (Surr)	83		73 - 120		03/20/19 11:11	1
Dibromofluoromethane (Surr)	97		75 - 123		03/20/19 11:11	1

Lab Sample ID: LCS 480-463744/5
Matrix: Water
Analysis Batch: 463744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.0		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		98	76 - 120
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	24.9		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	25.5		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	26.7		ug/L		107	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.2		ug/L		85	56 - 134
1,2-Dibromoethane (EDB)	25.0	24.1		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	26.7		ug/L		107	76 - 120
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
2-Hexanone	125	139		ug/L		111	65 - 127
2-Butanone (MEK)	125	144		ug/L		115	57 - 140
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	149		ug/L		119	56 - 142
Benzene	25.0	26.0		ug/L		104	71 - 124
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Bromoform	25.0	25.1		ug/L		100	61 - 132
Bromomethane	25.0	23.7		ug/L		95	55 - 144
Carbon disulfide	25.0	26.0		ug/L		104	59 - 134
Carbon tetrachloride	25.0	20.5		ug/L		82	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120
Chlorodibromomethane	25.0	24.3		ug/L		97	75 - 125
Chloroethane	25.0	24.9		ug/L		100	69 - 136
Chloroform	25.0	23.8		ug/L		95	73 - 127
Chloromethane	25.0	27.4		ug/L		110	68 - 124
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	23.8		ug/L		95	59 - 135
Dichlorodifluoromethane	25.0	23.9		ug/L		96	59 - 135
Ethylbenzene	25.0	23.4		ug/L		94	77 - 123
Isopropylbenzene	25.0	22.9		ug/L		92	77 - 122
Methyl acetate	50.0	46.5		ug/L		93	74 - 133
Methyl tert-butyl ether	25.0	26.7		ug/L		107	77 - 120
Methylcyclohexane	25.0	23.3		ug/L		93	68 - 134

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

Lab Sample ID: LCS 480-463744/5
Matrix: Water
Analysis Batch: 463744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	27.6		ug/L		110	75 - 124
Styrene	25.0	24.6		ug/L		98	80 - 120
Tetrachloroethene	25.0	24.4		ug/L		98	74 - 122
Toluene	25.0	25.5		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	24.5		ug/L		98	80 - 120
Trichloroethene	25.0	25.8		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	23.0		ug/L		92	62 - 150
Vinyl chloride	25.0	25.3		ug/L		101	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*
Toluene-d8 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*
Dibromofluoromethane (Surr)	*91*		*75 - 123*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-464024/28
Matrix: Water
Analysis Batch: 464024

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			03/21/19 13:51	1
Sulfate	ND		2.0	0.35	mg/L			03/21/19 13:51	1

Lab Sample ID: MB 480-464024/4
Matrix: Water
Analysis Batch: 464024

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			03/21/19 10:35	1
Sulfate	ND		2.0	0.35	mg/L			03/21/19 10:35	1

Lab Sample ID: LCS 480-464024/27
Matrix: Water
Analysis Batch: 464024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.34		mg/L		99	90 - 110
Sulfate	50.0	47.46		mg/L		95	90 - 110

Lab Sample ID: LCS 480-464024/3
Matrix: Water
Analysis Batch: 464024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.80		mg/L		98	90 - 110
Sulfate	50.0	47.11		mg/L		94	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-150503-2 MS
Matrix: Water
Analysis Batch: 464024

Client Sample ID: MW 1S 031819
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate	243		1000	1179		mg/L		94	80 - 120		

Lab Sample ID: 480-150503-8 MS
Matrix: Water
Analysis Batch: 464024

Client Sample ID: MW 7DD 031919
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	45.9		250	294.8		mg/L		100	81 - 120		
Sulfate	428		250	652.4	E	mg/L		90	80 - 120		

Lab Sample ID: 480-150503-8 MSD
Matrix: Water
Analysis Batch: 464024

Client Sample ID: MW 7DD 031919
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	45.9		250	297.5		mg/L		101	81 - 120	1	20
Sulfate	428		250	651.7	E	mg/L		89	80 - 120	0	20

Lab Sample ID: MB 480-464089/4
Matrix: Water
Analysis Batch: 464089

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			03/21/19 17:26	1
Sulfate	ND		2.0	0.35	mg/L			03/21/19 17:26	1

Lab Sample ID: LCS 480-464089/3
Matrix: Water
Analysis Batch: 464089

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.09		mg/L		100	90 - 110
Sulfate	50.0	48.28		mg/L		97	90 - 110

Method: 310.2_ASP - Alkalinity - Colorimetric

Lab Sample ID: MB 480-464986/41
Matrix: Water
Analysis Batch: 464986

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	9.51	J	10.0	4.0	mg/L			03/27/19 10:37	1

Lab Sample ID: MB 480-464986/53
Matrix: Water
Analysis Batch: 464986

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	5.43	J	10.0	4.0	mg/L			03/27/19 10:53	1

Method: 310.2_ASP - Alkalinity - Colorimetric (Continued)

Lab Sample ID: MB 480-464986/65
Matrix: Water
Analysis Batch: 464986

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	6.21	J	10.0	4.0	mg/L			03/27/19 11:10	1

Lab Sample ID: MB 480-464986/76
Matrix: Water
Analysis Batch: 464986

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	7.48	J	10.0	4.0	mg/L			03/27/19 11:19	1

Lab Sample ID: LCS 480-464986/42
Matrix: Water
Analysis Batch: 464986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	50.66		mg/L		101	90 - 110

Lab Sample ID: LCS 480-464986/54
Matrix: Water
Analysis Batch: 464986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	47.98		mg/L		96	90 - 110

Lab Sample ID: LCS 480-464986/66
Matrix: Water
Analysis Batch: 464986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	49.32		mg/L		99	90 - 110

Lab Sample ID: LCS 480-464986/77
Matrix: Water
Analysis Batch: 464986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	48.18		mg/L		96	90 - 110

Lab Sample ID: 480-150503-9 DU
Matrix: Water
Analysis Batch: 464986

Client Sample ID: X-1 031919
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Bicarbonate	153	B	145.7		mg/L		5	20

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-463945/27
Matrix: Water
Analysis Batch: 463945

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			03/20/19 22:12	1

Lab Sample ID: MB 480-463945/3
Matrix: Water
Analysis Batch: 463945

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			03/20/19 21:46	1

Lab Sample ID: LCS 480-463945/28
Matrix: Water
Analysis Batch: 463945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	1.50	1.60		mg/L		107	90 - 110

Lab Sample ID: LCS 480-463945/4
Matrix: Water
Analysis Batch: 463945

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	1.50	1.59		mg/L		106	90 - 110

Lab Sample ID: 480-150503-2 MS
Matrix: Water
Analysis Batch: 463945

Client Sample ID: MW 1S 031819
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	ND	H	1.00	1.03		mg/L		103	90 - 110

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 490-583320/2
Matrix: Water
Analysis Batch: 583320

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	^	0.10	0.050	mg/L			03/25/19 22:12	1

Lab Sample ID: LCS 490-583320/3
Matrix: Water
Analysis Batch: 583320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	1.00	0.746	* ^	mg/L		75	90 - 110

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: LCSD 490-583320/4
Matrix: Water
Analysis Batch: 583320

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide			1.00	0.727	* ^	mg/L		73	90 - 110	3	10

Lab Sample ID: MB 490-585390/2
Matrix: Water
Analysis Batch: 585390

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		0.10	0.050	mg/L			04/02/19 22:50	1

Lab Sample ID: LCS 490-585390/3
Matrix: Water
Analysis Batch: 585390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			1.00	1.21	*	mg/L		120	90 - 110		

Lab Sample ID: LCSD 490-585390/4
Matrix: Water
Analysis Batch: 585390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide			1.00	1.21	*	mg/L		121	90 - 110	0	10

Lab Sample ID: 480-150503-5 MS
Matrix: Water
Analysis Batch: 585390

Client Sample ID: MW 8S 031919
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	ND	H * F1 F2	1.00	0.627	F1	mg/L		63	70 - 130		

Lab Sample ID: 480-150503-5 MSD
Matrix: Water
Analysis Batch: 585390

Client Sample ID: MW 8S 031919
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	ND	H * F1 F2	1.00	0.798	F2	mg/L		80	70 - 130	24	20

Lab Sample ID: MB 490-586534/2
Matrix: Water
Analysis Batch: 586534

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		0.10	0.050	mg/L			04/08/19 14:08	1

Lab Sample ID: LCS 490-586534/3
Matrix: Water
Analysis Batch: 586534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			1.00	0.964		mg/L		96	90 - 110		

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: LCSD 490-586534/4
Matrix: Water
Analysis Batch: 586534

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide			1.00	0.938		mg/L		94	90 - 110	3	10

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 480-464326/3
Matrix: Water
Analysis Batch: 464326

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	0.519	J	1.0	0.43	mg/L			03/21/19 22:40	1

Lab Sample ID: LCS 480-464326/4
Matrix: Water
Analysis Batch: 464326

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Dissolved Organic Carbon - Duplicate			60.0	58.79		mg/L		98	90 - 110		

GC/MS VOA

Analysis Batch: 463744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-1	MW 1D 031819	Total/NA	Water	8260C	
480-150503-2	MW 1S 031819	Total/NA	Water	8260C	
480-150503-3	MW 8DD 031919	Total/NA	Water	8260C	
480-150503-4	MW 8D 031919	Total/NA	Water	8260C	
480-150503-5	MW 8S 031919	Total/NA	Water	8260C	
480-150503-6	MW 7D 031919	Total/NA	Water	8260C	
480-150503-7	MW 7S 031919	Total/NA	Water	8260C	
480-150503-8	MW 7DD 031919	Total/NA	Water	8260C	
480-150503-9	X-1 031919	Total/NA	Water	8260C	
480-150503-10	TRIP BLANKS	Total/NA	Water	8260C	
MB 480-463744/7	Method Blank	Total/NA	Water	8260C	
LCS 480-463744/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 463945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-2	MW 1S 031819	Total/NA	Water	353.2	
480-150503-5	MW 8S 031919	Total/NA	Water	353.2	
480-150503-6	MW 7D 031919	Total/NA	Water	353.2	
480-150503-7	MW 7S 031919	Total/NA	Water	353.2	
480-150503-9	X-1 031919	Total/NA	Water	353.2	
MB 480-463945/27	Method Blank	Total/NA	Water	353.2	
MB 480-463945/3	Method Blank	Total/NA	Water	353.2	
LCS 480-463945/28	Lab Control Sample	Total/NA	Water	353.2	
LCS 480-463945/4	Lab Control Sample	Total/NA	Water	353.2	
480-150503-2 MS	MW 1S 031819	Total/NA	Water	353.2	

Analysis Batch: 463948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-1	MW 1D 031819	Total/NA	Water	353.2	
480-150503-3	MW 8DD 031919	Total/NA	Water	353.2	
480-150503-4	MW 8D 031919	Total/NA	Water	353.2	
480-150503-8	MW 7DD 031919	Total/NA	Water	353.2	

Analysis Batch: 463949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-1	MW 1D 031819	Total/NA	Water	353.2	
480-150503-2	MW 1S 031819	Total/NA	Water	353.2	
480-150503-3	MW 8DD 031919	Total/NA	Water	353.2	
480-150503-4	MW 8D 031919	Total/NA	Water	353.2	
480-150503-5	MW 8S 031919	Total/NA	Water	353.2	
480-150503-6	MW 7D 031919	Total/NA	Water	353.2	
480-150503-7	MW 7S 031919	Total/NA	Water	353.2	
480-150503-8	MW 7DD 031919	Total/NA	Water	353.2	
480-150503-9	X-1 031919	Total/NA	Water	353.2	

Analysis Batch: 464024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-1	MW 1D 031819	Total/NA	Water	300.0	
480-150503-2	MW 1S 031819	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 464024 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-3	MW 8DD 031919	Total/NA	Water	300.0	
480-150503-4	MW 8D 031919	Total/NA	Water	300.0	
480-150503-5	MW 8S 031919	Total/NA	Water	300.0	
480-150503-6	MW 7D 031919	Total/NA	Water	300.0	
480-150503-7	MW 7S 031919	Total/NA	Water	300.0	
480-150503-8	MW 7DD 031919	Total/NA	Water	300.0	
480-150503-9	X-1 031919	Total/NA	Water	300.0	
MB 480-464024/28	Method Blank	Total/NA	Water	300.0	
MB 480-464024/4	Method Blank	Total/NA	Water	300.0	
LCS 480-464024/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-464024/3	Lab Control Sample	Total/NA	Water	300.0	
480-150503-2 MS	MW 1S 031819	Total/NA	Water	300.0	
480-150503-8 MS	MW 7DD 031919	Total/NA	Water	300.0	
480-150503-8 MSD	MW 7DD 031919	Total/NA	Water	300.0	

Analysis Batch: 464089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-2	MW 1S 031819	Total/NA	Water	300.0	
MB 480-464089/4	Method Blank	Total/NA	Water	300.0	
LCS 480-464089/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 464326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-1	MW 1D 031819	Dissolved	Water	SM 5310C	
480-150503-2	MW 1S 031819	Dissolved	Water	SM 5310C	
480-150503-3	MW 8DD 031919	Dissolved	Water	SM 5310C	
480-150503-4	MW 8D 031919	Dissolved	Water	SM 5310C	
480-150503-5	MW 8S 031919	Dissolved	Water	SM 5310C	
480-150503-6	MW 7D 031919	Dissolved	Water	SM 5310C	
480-150503-7	MW 7S 031919	Dissolved	Water	SM 5310C	
480-150503-8	MW 7DD 031919	Dissolved	Water	SM 5310C	
480-150503-9	X-1 031919	Dissolved	Water	SM 5310C	
MB 480-464326/3	Method Blank	Dissolved	Water	SM 5310C	
LCS 480-464326/4	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 464986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-1	MW 1D 031819	Total/NA	Water	310.2_ASP	
480-150503-2	MW 1S 031819	Total/NA	Water	310.2_ASP	
480-150503-3	MW 8DD 031919	Total/NA	Water	310.2_ASP	
480-150503-4	MW 8D 031919	Total/NA	Water	310.2_ASP	
480-150503-5	MW 8S 031919	Total/NA	Water	310.2_ASP	
480-150503-6	MW 7D 031919	Total/NA	Water	310.2_ASP	
480-150503-7	MW 7S 031919	Total/NA	Water	310.2_ASP	
480-150503-8	MW 7DD 031919	Total/NA	Water	310.2_ASP	
480-150503-9	X-1 031919	Total/NA	Water	310.2_ASP	
MB 480-464986/41	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-464986/53	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-464986/65	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-464986/76	Method Blank	Total/NA	Water	310.2_ASP	
LCS 480-464986/42	Lab Control Sample	Total/NA	Water	310.2_ASP	

General Chemistry (Continued)

Analysis Batch: 464986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-464986/54	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-464986/66	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-464986/77	Lab Control Sample	Total/NA	Water	310.2_ASP	
480-150503-9 DU	X-1 031919	Total/NA	Water	310.2_ASP	

Analysis Batch: 583320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-1	MW 1D 031819	Total/NA	Water	SM 4500 S2 D	
480-150503-2	MW 1S 031819	Total/NA	Water	SM 4500 S2 D	
480-150503-3	MW 8DD 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-4	MW 8D 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-5	MW 8S 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-6	MW 7D 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-7	MW 7S 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-8	MW 7DD 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-9	X-1 031919	Total/NA	Water	SM 4500 S2 D	
MB 490-583320/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-583320/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 490-583320/4	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 585390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-2 - RA	MW 1S 031819	Total/NA	Water	SM 4500 S2 D	
480-150503-5 - RA	MW 8S 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-6 - RA	MW 7D 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-7 - RA	MW 7S 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-8 - RA	MW 7DD 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-9 - RA	X-1 031919	Total/NA	Water	SM 4500 S2 D	
MB 490-585390/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-585390/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 490-585390/4	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
480-150503-5 MS	MW 8S 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-5 MSD	MW 8S 031919	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 586534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150503-1 - RA	MW 1D 031819	Total/NA	Water	SM 4500 S2 D	
480-150503-3 - RA	MW 8DD 031919	Total/NA	Water	SM 4500 S2 D	
480-150503-4 - RA	MW 8D 031919	Total/NA	Water	SM 4500 S2 D	
MB 490-586534/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-586534/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 490-586534/4	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: MW 1D 031819

Lab Sample ID: 480-150503-1

Date Collected: 03/18/19 15:50

Matrix: Water

Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	463744	03/20/19 13:31	OMI	TAL BUF
Total/NA	Analysis	300.0		5	464024	03/21/19 13:02	EMD	TAL BUF
Total/NA	Analysis	300.0		5	464024	03/21/19 13:02	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		4	464986	03/27/19 10:57	KEB	TAL BUF
Total/NA	Analysis	353.2		1	463948	03/20/19 19:45	SMH	TAL BUF
Total/NA	Analysis	353.2		1	463949	03/20/19 19:45	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	586534	04/08/19 14:08	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	464326	03/22/19 01:45	CLA	TAL BUF

Client Sample ID: MW 1S 031819

Lab Sample ID: 480-150503-2

Date Collected: 03/18/19 16:10

Matrix: Water

Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	463744	03/20/19 13:55	OMI	TAL BUF
Total/NA	Analysis	300.0		20	464024	03/21/19 13:10	EMD	TAL BUF
Total/NA	Analysis	300.0		50	464089	03/21/19 18:07	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		3	464986	03/27/19 10:57	KEB	TAL BUF
Total/NA	Analysis	353.2		1	463949	03/20/19 21:59	SMH	TAL BUF
Total/NA	Analysis	353.2		1	463945	03/20/19 21:59	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	464326	03/22/19 02:00	CLA	TAL BUF

Client Sample ID: MW 8DD 031919

Lab Sample ID: 480-150503-3

Date Collected: 03/19/19 09:45

Matrix: Water

Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	463744	03/20/19 14:19	OMI	TAL BUF
Total/NA	Analysis	300.0		2	464024	03/21/19 13:59	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		3	464986	03/27/19 10:57	KEB	TAL BUF
Total/NA	Analysis	353.2		1	463948	03/20/19 19:47	SMH	TAL BUF
Total/NA	Analysis	353.2		1	463949	03/20/19 19:47	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	586534	04/08/19 14:08	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	464326	03/22/19 02:15	CLA	TAL BUF

Client Sample ID: MW 8D 031919

Lab Sample ID: 480-150503-4

Date Collected: 03/19/19 09:50

Matrix: Water

Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	463744	03/20/19 14:43	OMI	TAL BUF
Total/NA	Analysis	300.0		2	464024	03/21/19 14:08	EMD	TAL BUF
Total/NA	Analysis	300.0		2	464024	03/21/19 14:08	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		3	464986	03/27/19 11:00	KEB	TAL BUF
Total/NA	Analysis	353.2		1	463948	03/20/19 19:48	SMH	TAL BUF
Total/NA	Analysis	353.2		1	463949	03/20/19 19:48	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	586534	04/08/19 14:08	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	464326	03/22/19 02:31	CLA	TAL BUF

Client Sample ID: MW 8S 031919

Lab Sample ID: 480-150503-5

Date Collected: 03/19/19 12:15

Matrix: Water

Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	463744	03/20/19 15:07	OMI	TAL BUF
Total/NA	Analysis	300.0		1	464024	03/21/19 14:16	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		2	464986	03/27/19 11:34	KEB	TAL BUF
Total/NA	Analysis	353.2		1	463949	03/20/19 22:01	SMH	TAL BUF
Total/NA	Analysis	353.2		1	463945	03/20/19 22:01	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	464326	03/22/19 02:46	CLA	TAL BUF

Client Sample ID: MW 7D 031919

Lab Sample ID: 480-150503-6

Date Collected: 03/19/19 12:40

Matrix: Water

Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	463744	03/20/19 15:31	OMI	TAL BUF
Total/NA	Analysis	300.0		1	464024	03/21/19 14:24	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		2	464986	03/27/19 11:34	KEB	TAL BUF
Total/NA	Analysis	353.2		1	463949	03/20/19 22:02	SMH	TAL BUF
Total/NA	Analysis	353.2		1	463945	03/20/19 22:02	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	464326	03/22/19 03:02	CLA	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: MW 7S 031919

Lab Sample ID: 480-150503-7

Date Collected: 03/19/19 14:35

Matrix: Water

Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	463744	03/20/19 15:55	OMI	TAL BUF
Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	464024	03/21/19 14:32	EMD	TAL BUF
Total/NA	Analysis	300.0		1	464024	03/21/19 14:32	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		2	464986	03/27/19 11:34	KEB	TAL BUF
Total/NA	Analysis	353.2		1	463949	03/20/19 22:03	SMH	TAL BUF
Total/NA	Analysis	353.2		1	463945	03/20/19 22:03	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	464326	03/22/19 03:17	CLA	TAL BUF

Client Sample ID: MW 7DD 031919

Lab Sample ID: 480-150503-8

Date Collected: 03/19/19 14:40

Matrix: Water

Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	463744	03/20/19 16:19	OMI	TAL BUF
Total/NA	Analysis	300.0		5	464024	03/21/19 14:40	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		3	464986	03/27/19 11:00	KEB	TAL BUF
Total/NA	Analysis	353.2		1	463948	03/20/19 20:00	SMH	TAL BUF
Total/NA	Analysis	353.2		1	463949	03/20/19 20:00	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	464326	03/22/19 03:32	CLA	TAL BUF

Client Sample ID: X-1 031919

Lab Sample ID: 480-150503-9

Date Collected: 03/19/19 00:00

Matrix: Water

Date Received: 03/19/19 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	463744	03/20/19 16:43	OMI	TAL BUF
Total/NA	Analysis	300.0		1	464024	03/21/19 15:23	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		2	464986	03/27/19 11:36	KEB	TAL BUF
Total/NA	Analysis	353.2		1	463945	03/20/19 22:05	SMH	TAL BUF
Total/NA	Analysis	353.2		1	463949	03/20/19 22:05	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	464326	03/22/19 03:47	CLA	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Client Sample ID: TRIP BLANKS

Date Collected: 03/19/19 00:00
Date Received: 03/19/19 17:40

Lab Sample ID: 480-150503-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	463744	03/20/19 17:06	OMI	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-150503-1
Project/Site: Forest Glen Monitoring

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 5310C		Water	Dissolved Organic Carbon - Duplicate

Laboratory: Eurofins TestAmerica, Nashville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11342	03-31-20

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
310.2_ASP	Alkalinity - Colorimetric	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL NSH
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150503-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-150503-1	MW 1D 031819	Water	03/18/19 15:50	03/19/19 17:40
480-150503-2	MW 1S 031819	Water	03/18/19 16:10	03/19/19 17:40
480-150503-3	MW 8DD 031919	Water	03/19/19 09:45	03/19/19 17:40
480-150503-4	MW 8D 031919	Water	03/19/19 09:50	03/19/19 17:40
480-150503-5	MW 8S 031919	Water	03/19/19 12:15	03/19/19 17:40
480-150503-6	MW 7D 031919	Water	03/19/19 12:40	03/19/19 17:40
480-150503-7	MW 7S 031919	Water	03/19/19 14:35	03/19/19 17:40
480-150503-8	MW 7DD 031919	Water	03/19/19 14:40	03/19/19 17:40
480-150503-9	X-1 031919	Water	03/19/19 00:00	03/19/19 17:40
480-150503-10	TRIP BLANKS	Water	03/19/19 00:00	03/19/19 17:40

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-150503-1
Project/Site: Forest Glen Monitoring

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	Methyl acetate	Water	Total/NA	ug/L	1.3	2.5

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Martin Kolwaski	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-127136-27221.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 3
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Monitoring	Project #: 48002808			
Site:	SSOW#:			

Analysis Request

480-150503 Chain of Custody

Preservation Codes:
H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	300.0_28D - Cl, SO4	353.2, 353.2_Nitrite, Nitrate_Calc	SM5310_DOC_C - Dissolved Organic Carbon	310.2 - Alkalinity	SM4500_S2_D - Total Sulfide	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	N	N	A	N	CB	A	X	
MW 1D 031819	3-18-19	1550	G	Water			3	1	2	2	1	1		10	
MW 1S 031819	3-18-19	1610	G	Water			"	"	"	"	"	"		10	
MW 8DD 031919	3-19-19	9:45	G	Water			"	"	"	"	"	"		10	
MW 8D 031919	3-19-19	950	G	Water			"	"	"	"	"	"		10	
MW 8S 031919	3-19-19	1215	G	Water			"	"	"	"	"	"		10	
MW 7D 031919	3-19-19	12:40	G	Water			"	"	"	"	"	"		10	
MW 7S 031919	3-19-19	14:35	G	Water			"	"	"	"	"	"		10	
MW 7DD 031919	3-19-19	1440	G	Water			"	"	"	"	"	"		10	
X-1 031919	3-19-19	—	G	Water			3	1	2	2	1	1		10	
QC TRIP Blanks				Water									2	2	
				Water											

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished by: Martin Kolwaski	Date/Time: 3-19-19 / 1740	Company: OBG	Received by: Unmukow Likolb	Date/Time: 03/19/19 1740	Company: TA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: #1 3.2		

Ver: 01/16/2019

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

480-150503 Chain of Custody

Cooler Received/Opened On 3/21/2019 @ 9:00

Time Samples Removed From Cooler 11:27 Time Samples Placed In Storage 12:36 (2 Hour Window)

1. Tracking # 2296 (last 4 digits, FedEx) Courier: Fedex

IR Gun ID 31470366 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 0.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) ACE

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? YES...(NO)...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...(NA)


Larger than this.

14. Was there a Trip Blank in this cooler? YES...(NO)...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (intial) DO

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) DO

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) DO

I certify that I attached a label with the unique LIMS number to each container (intial) DO

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-150503

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)

Field	Value
Client Contact:	Shipping/Receiving
Company:	TestAmerica Laboratories, Inc
Address:	2960 Foster Creighton Drive,
City:	Nashville
State, Zip:	TN, 37204
Phone:	615-726-0177(Tel) 615-726-3404(Fax)
Email:	
Project Name:	Forest Glen Monitoring
Site:	
Sampler:	
Phone:	
Lab PM:	Deyo, Melissa L
E-Mail:	melissa.deyo@testa
Due Date Requested:	3/29/2019
TAT Requested (days):	
PO #:	
WO #:	
Project #:	48002808
SSOW#:	
Accreditations Required (See note):	NELAP - New York
COC No:	480-48377.1
Page:	Page 1 of 1
Job #:	480-150503-1

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_D/ Sulfide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW 1D 031819 (480-150503-1)	3/18/19	15:50 Eastern		Water			X	1	
MW 1S 031819 (480-150503-2)	3/18/19	16:10 Eastern		Water			X	1	
MW 8DD 031919 (480-150503-3)	3/19/19	09:45 Eastern		Water			X	1	
MW 8D 031919 (480-150503-4)	3/19/19	09:50 Eastern		Water			X	1	
MW 8S 031919 (480-150503-5)	3/19/19	12:15 Eastern		Water			X	1	
MW 7D 031919 (480-150503-6)	3/19/19	12:40 Eastern		Water			X	1	
MW 7S 031919 (480-150503-7)	3/19/19	14:35 Eastern		Water			X	1	
MW 7DD 031919 (480-150503-8)	3/19/19	14:40 Eastern		Water			X	1	
X-1 031919 (480-150503-9)	3/19/19	Eastern		Water			X	1	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)   Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3/20/19 1545	VIAB	[signature]	09:00 03/21/19	TA-NAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No   Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.7

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-150503-1

Login Number: 150503
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-150634-1
Client Project/Site: Forest Glen Monitoring

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
4/12/2019 11:21:19 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-150634-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-150634-1

Receipt
The samples were received on 3/21/2019 12:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-464199 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: MW 6D 032019 (480-150634-1), MW 10D 032019 (480-150634-2), MW 6S 032019 (480-150634-3), MW 10S 032019 (480-150634-4), MW 6DD 032019 (480-150634-5), MW 5D 032019 (480-150634-6), MW 5S 032019 (480-150634-7), MW 4D 032019 (480-150634-8), MW 4S 032019 (480-150634-9) and TRIP BLANKS (480-150634-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC
Method(s) 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW 6D 032019 (480-150634-1), MW 10D 032019 (480-150634-2), MW 6S 032019 (480-150634-3), MW 10S 032019 (480-150634-4), MW 6DD 032019 (480-150634-5), MW 5D 032019 (480-150634-6), MW 5S 032019 (480-150634-7), MW 4D 032019 (480-150634-8) and MW 4S 032019 (480-150634-9). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW 5S 032019 (480-150634-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method(s) 353.2: The following samples were analyzed outside of analytical holding time due to laboratory error: MW 10D 032019 (480-150634-2), MW 10D 032019 (480-150634-2[MS]) and MW 10D 032019 (480-150634-2[MSD]).

Method(s) SM 4500 S2 D: Reanalysis of the following samples were performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. MW 10D 032019 (480-150634-2), MW 10D 032019 (480-150634-2[MS]), MW 10D 032019 (480-150634-2[MSD]), MW 6S 032019 (480-150634-3), MW 10S 032019 (480-150634-4), MW 6DD 032019 (480-150634-5), MW 5D 032019 (480-150634-6), MW 5S 032019 (480-150634-7) and MW 4S 032019 (480-150634-9). Both sets of data are reported.

Method(s) SM 4500 S2 D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 490-585390 recovered outside control limits for the following analyte: Sulfide. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported: MW 10D 032019 (480-150634-2), MW 6S 032019 (480-150634-3), MW 10S 032019 (480-150634-4), MW 6DD 032019 (480-150634-5), MW 5D 032019 (480-150634-6), MW 5S 032019 (480-150634-7) and MW 4S 032019 (480-150634-9).

Method(s) SM 4500 S2 D: Both matrix spikes and one matrix spike duplicate had low recoveries. Matrix interference and/or non-homogeneity is suspected: MW 10D 032019 (480-150634-2[MS]) and MW 10D 032019 (480-150634-2[MSD]).

Method(s) SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 490-586534 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample and laboratory control sample duplicate (LCS/LCSD) recoveries were within acceptance limits.

Method(s) SM 4500 S2 D: Reanalysis of the following samples were performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. MW 6D 032019 (480-150634-1) and MW 4D 032019 (480-150634-8). Both sets of dat are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 480-150634-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Client Sample ID: MW 6D 032019 — Lab Sample ID: 480-150634-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.49	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.82	J	1.0	0.81	ug/L	1		8260C	Total/NA
Chloride	172		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	265		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	311	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Sulfide	0.65	*	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide - RA	0.19	H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	3.7		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 10D 032019 — Lab Sample ID: 480-150634-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.33	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	380		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	249		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	270	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	2.5		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 6S 032019 — Lab Sample ID: 480-150634-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	39		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	28		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	28.5		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	163		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	296	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	4.9	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 10S 032019 — Lab Sample ID: 480-150634-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.26	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	375		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	248		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	261	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	2.7		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 6DD 032019 — Lab Sample ID: 480-150634-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.42	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.2		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	169		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	178		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	248	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	3.3		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 5D 032019 — Lab Sample ID: 480-150634-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.52	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.34	J	1.0	0.16	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample ID: MW 5D 032019 (Continued) — Lab Sample ID: 480-150634-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	188		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	182		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	333	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	2.9		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 5S 032019 — Lab Sample ID: 480-150634-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.1		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	9.8		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.85	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	44		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	24		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	49.1		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	208		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	298	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	2.7		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 4D 032019 — Lab Sample ID: 480-150634-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.43	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	251		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	276		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	319	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Sulfide	0.33	*	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide - RA	0.38	H F1	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	2.8		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 4S 032019 — Lab Sample ID: 480-150634-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	59.8		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	862		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	394	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	3.1		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: TRIP BLANKS — Lab Sample ID: 480-150634-10

No Detections.

This Detection Summary does not include radiochemical test results.

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Client Sample ID: MW 6D 032019
Date Collected: 03/20/19 09:30
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/19 13:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 13:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 13:07	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 13:07	1
1,1-Dichloroethane	**0.49**	**J**	1.0	0.38	ug/L			03/22/19 13:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/19 13:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 13:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 13:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 13:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 13:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 13:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 13:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 13:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 13:07	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 13:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 13:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 13:07	1
Acetone	ND		10	3.0	ug/L			03/22/19 13:07	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 13:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 13:07	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 13:07	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 13:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 13:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 13:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 13:07	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 13:07	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 13:07	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 13:07	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 13:07	1
cis-1,2-Dichloroethene	**0.82**	**J**	1.0	0.81	ug/L			03/22/19 13:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 13:07	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 13:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 13:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 13:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 13:07	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 13:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/19 13:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 13:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 13:07	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 13:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 13:07	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 13:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 13:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 13:07	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/19 13:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 13:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/19 13:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 13:07	1

Client Sample ID: MW 6D 032019

Lab Sample ID: 480-150634-1

Date Collected: 03/20/19 09:30

Matrix: Water

Date Received: 03/21/19 12:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*03/22/19 13:07*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/22/19 13:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/22/19 13:07*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*03/22/19 13:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**172**		2.5	1.4	mg/L			03/22/19 14:05	5
Sulfate	**265**		10.0	1.7	mg/L			03/22/19 14:05	5
Alkalinity, Bicarbonate	**311**	**B**	50.0	20.0	mg/L			04/01/19 16:16	5
Nitrate as N	ND		0.050	0.020	mg/L			03/21/19 16:26	1
Nitrite as N	ND		0.050	0.020	mg/L			03/21/19 16:26	1
Sulfide	**0.65**	*****	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**0.19**	**H**	0.10	0.050	mg/L			04/08/19 14:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.7**		1.0	0.43	mg/L			03/27/19 19:11	1

Client Sample ID: MW 10D 032019

Lab Sample ID: 480-150634-2

Date Collected: 03/20/19 09:35

Matrix: Water

Date Received: 03/21/19 12:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/19 13:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 13:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 13:33	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 13:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/19 13:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/19 13:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 13:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 13:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 13:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 13:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 13:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 13:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 13:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 13:33	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 13:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 13:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 13:33	1
Acetone	ND		10	3.0	ug/L			03/22/19 13:33	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 13:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 13:33	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 13:33	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 13:33	1

Client Sample ID: MW 10D 032019
Date Collected: 03/20/19 09:35
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 13:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 13:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 13:33	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 13:33	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 13:33	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 13:33	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 13:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/19 13:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 13:33	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 13:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 13:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 13:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 13:33	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 13:33	1
Methyl tert-butyl ether	**0.33**	**J**	1.0	0.16	ug/L			03/22/19 13:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 13:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 13:33	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 13:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 13:33	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 13:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 13:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 13:33	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/19 13:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 13:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/19 13:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*03/22/19 13:33*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/22/19 13:33*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*03/22/19 13:33*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/22/19 13:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**380**		5.0	2.8	mg/L			03/22/19 11:14	10
Sulfate	**249**		20.0	3.5	mg/L			03/22/19 11:14	10
Alkalinity, Bicarbonate	**270**	**B**	50.0	20.0	mg/L			04/01/19 17:42	5
Nitrate as N	ND		0.050	0.020	mg/L			03/21/19 16:27	1
Nitrite as N	ND	H	0.050	0.020	mg/L			03/27/19 22:17	1
Sulfide	ND	^ *	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H F1 *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.5**		1.0	0.43	mg/L			03/27/19 23:45	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Client Sample ID: MW 6S 032019
Date Collected: 03/20/19 11:10
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/19 14:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 14:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 14:00	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 14:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/19 14:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/19 14:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 14:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 14:00	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 14:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 14:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 14:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 14:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 14:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 14:00	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 14:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 14:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 14:00	1
Acetone	ND		10	3.0	ug/L			03/22/19 14:00	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 14:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 14:00	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 14:00	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 14:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 14:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 14:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 14:00	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 14:00	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 14:00	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 14:00	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 14:00	1
cis-1,2-Dichloroethene	**39**		1.0	0.81	ug/L			03/22/19 14:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 14:00	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 14:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 14:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 14:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 14:00	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 14:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/19 14:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 14:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 14:00	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 14:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 14:00	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 14:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 14:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 14:00	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/19 14:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 14:00	1
Vinyl chloride	**28**		1.0	0.90	ug/L			03/22/19 14:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 14:00	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Client Sample ID: MW 6S 032019

Lab Sample ID: 480-150634-3

Date Collected: 03/20/19 11:10

Matrix: Water

Date Received: 03/21/19 12:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*03/22/19 14:00*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/22/19 14:00*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/22/19 14:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*03/22/19 14:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.5**		1.0	0.56	mg/L			03/22/19 14:13	2
Sulfate	**163**		4.0	0.70	mg/L			03/22/19 14:13	2
Alkalinity, Bicarbonate	**296**	**B**	50.0	20.0	mg/L			04/01/19 16:16	5
Nitrate as N	ND		0.050	0.020	mg/L			03/21/19 16:31	1
Nitrite as N	ND		0.050	0.020	mg/L			03/21/19 16:31	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**4.9**	**B**	1.0	0.43	mg/L			03/24/19 03:44	1

Client Sample ID: MW 10S 032019

Lab Sample ID: 480-150634-4

Date Collected: 03/20/19 11:35

Matrix: Water

Date Received: 03/21/19 12:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/19 14:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 14:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 14:27	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 14:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/19 14:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/19 14:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 14:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 14:27	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 14:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 14:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 14:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 14:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 14:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 14:27	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 14:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 14:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 14:27	1
Acetone	ND		10	3.0	ug/L			03/22/19 14:27	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 14:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 14:27	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 14:27	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 14:27	1

Client Sample ID: MW 10S 032019

Date Collected: 03/20/19 11:35
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 14:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 14:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 14:27	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 14:27	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 14:27	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 14:27	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 14:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/19 14:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 14:27	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 14:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 14:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 14:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 14:27	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 14:27	1
Methyl tert-butyl ether	**0.26**	**J**	1.0	0.16	ug/L			03/22/19 14:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 14:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 14:27	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 14:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 14:27	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 14:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 14:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 14:27	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/19 14:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 14:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/19 14:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*03/22/19 14:27*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*03/22/19 14:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/22/19 14:27*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*03/22/19 14:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**375**		5.0	2.8	mg/L			03/22/19 14:22	10
Sulfate	**248**		20.0	3.5	mg/L			03/22/19 14:22	10
Alkalinity, Bicarbonate	**261**	**B**	50.0	20.0	mg/L			04/01/19 16:14	5
Nitrate as N	ND		0.050	0.020	mg/L			03/21/19 16:32	1
Nitrite as N	ND		0.050	0.020	mg/L			03/21/19 16:32	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.7**		1.0	0.43	mg/L			03/27/19 19:26	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Client Sample ID: MW 6DD 032019
Date Collected: 03/20/19 12:50
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/19 14:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 14:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 14:54	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 14:54	1
1,1-Dichloroethane	**0.42**	**J**	1.0	0.38	ug/L			03/22/19 14:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/19 14:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 14:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 14:54	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 14:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 14:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 14:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 14:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 14:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 14:54	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 14:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 14:54	1
Acetone	ND		10	3.0	ug/L			03/22/19 14:54	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 14:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 14:54	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 14:54	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 14:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 14:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 14:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 14:54	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 14:54	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 14:54	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 14:54	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 14:54	1
cis-1,2-Dichloroethene	**13**		1.0	0.81	ug/L			03/22/19 14:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 14:54	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 14:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 14:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 14:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 14:54	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 14:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/19 14:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 14:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 14:54	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 14:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 14:54	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 14:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 14:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 14:54	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/19 14:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 14:54	1
Vinyl chloride	**1.2**		1.0	0.90	ug/L			03/22/19 14:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 14:54	1

Client Sample ID: MW 6DD 032019

Lab Sample ID: 480-150634-5

Date Collected: 03/20/19 12:50

Matrix: Water

Date Received: 03/21/19 12:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*03/22/19 14:54*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/22/19 14:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/22/19 14:54*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*03/22/19 14:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**169**		2.5	1.4	mg/L			03/22/19 15:11	5
Sulfate	**178**		10.0	1.7	mg/L			03/22/19 15:11	5
Alkalinity, Bicarbonate	**248**	**B**	50.0	20.0	mg/L			04/01/19 16:14	5
Nitrate as N	ND		0.050	0.020	mg/L			03/21/19 16:33	1
Nitrite as N	ND		0.050	0.020	mg/L			03/21/19 16:33	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.3**		1.0	0.43	mg/L			03/27/19 20:12	1

Client Sample ID: MW 5D 032019

Lab Sample ID: 480-150634-6

Date Collected: 03/20/19 14:00

Matrix: Water

Date Received: 03/21/19 12:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/19 15:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 15:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 15:22	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 15:22	1
1,1-Dichloroethane	**0.52**	**J**	1.0	0.38	ug/L			03/22/19 15:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/19 15:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 15:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 15:22	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 15:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 15:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 15:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 15:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 15:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 15:22	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 15:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 15:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 15:22	1
Acetone	ND		10	3.0	ug/L			03/22/19 15:22	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 15:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 15:22	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 15:22	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 15:22	1

Client Sample ID: MW 5D 032019
Date Collected: 03/20/19 14:00
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 15:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 15:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 15:22	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 15:22	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 15:22	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 15:22	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 15:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/19 15:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 15:22	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 15:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 15:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 15:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 15:22	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 15:22	1
Methyl tert-butyl ether	**0.34**	**J**	1.0	0.16	ug/L			03/22/19 15:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 15:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 15:22	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 15:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 15:22	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 15:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 15:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 15:22	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/19 15:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 15:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/19 15:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*03/22/19 15:22*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/22/19 15:22*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/22/19 15:22*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*03/22/19 15:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**188**		2.5	1.4	mg/L			03/22/19 15:19	5
Sulfate	**182**		10.0	1.7	mg/L			03/22/19 15:19	5
Alkalinity, Bicarbonate	**333**	**B**	50.0	20.0	mg/L			04/01/19 16:14	5
Nitrate as N	ND		0.050	0.020	mg/L			03/21/19 16:34	1
Nitrite as N	ND		0.050	0.020	mg/L			03/21/19 16:34	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.9**		1.0	0.43	mg/L			03/27/19 20:27	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Client Sample ID: MW 5S 032019
Date Collected: 03/20/19 14:35
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**5.1**		1.0	0.82	ug/L			03/22/19 15:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 15:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 15:49	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 15:49	1
1,1-Dichloroethane	**9.8**		1.0	0.38	ug/L			03/22/19 15:49	1
1,1-Dichloroethene	**0.85**	**J**	1.0	0.29	ug/L			03/22/19 15:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 15:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 15:49	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 15:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 15:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 15:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 15:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 15:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 15:49	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 15:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 15:49	1
Acetone	ND		10	3.0	ug/L			03/22/19 15:49	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 15:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 15:49	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 15:49	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 15:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 15:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 15:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 15:49	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 15:49	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 15:49	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 15:49	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 15:49	1
cis-1,2-Dichloroethene	**44**		1.0	0.81	ug/L			03/22/19 15:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 15:49	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 15:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 15:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 15:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 15:49	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 15:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/19 15:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 15:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 15:49	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 15:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 15:49	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 15:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 15:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 15:49	1
Trichloroethene	**24**		1.0	0.46	ug/L			03/22/19 15:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 15:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/19 15:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 15:49	1

Client Sample ID: MW 5S 032019

Lab Sample ID: 480-150634-7

Date Collected: 03/20/19 14:35

Matrix: Water

Date Received: 03/21/19 12:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*03/22/19 15:49*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/22/19 15:49*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/22/19 15:49*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*03/22/19 15:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.1**		1.0	0.56	mg/L			03/22/19 15:27	2
Sulfate	**208**		10.0	1.7	mg/L			03/25/19 11:00	5
Alkalinity, Bicarbonate	**298**	**B**	50.0	20.0	mg/L			04/01/19 16:14	5
Nitrate as N	ND		0.050	0.020	mg/L			03/21/19 17:30	1
Nitrite as N	ND		0.050	0.020	mg/L			03/21/19 17:30	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.7**		1.0	0.43	mg/L			03/27/19 20:42	1

Client Sample ID: MW 4D 032019

Lab Sample ID: 480-150634-8

Date Collected: 03/20/19 08:45

Matrix: Water

Date Received: 03/21/19 12:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/19 16:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 16:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 16:16	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 16:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/19 16:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/19 16:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 16:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 16:16	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 16:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 16:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 16:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 16:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 16:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 16:16	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 16:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 16:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 16:16	1
Acetone	ND		10	3.0	ug/L			03/22/19 16:16	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 16:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 16:16	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 16:16	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 16:16	1

Client Sample ID: MW 4D 032019
Date Collected: 03/20/19 08:45
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 16:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 16:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 16:16	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 16:16	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 16:16	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 16:16	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 16:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/19 16:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 16:16	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 16:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 16:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 16:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 16:16	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 16:16	1
Methyl tert-butyl ether	**0.43**	**J**	1.0	0.16	ug/L			03/22/19 16:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 16:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 16:16	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 16:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 16:16	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 16:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 16:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 16:16	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/19 16:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 16:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/19 16:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*03/22/19 16:16*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/22/19 16:16*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/22/19 16:16*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*03/22/19 16:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**251**		2.5	1.4	mg/L			03/22/19 15:35	5
Sulfate	**276**		10.0	1.7	mg/L			03/22/19 15:35	5
Alkalinity, Bicarbonate	**319**	**B**	50.0	20.0	mg/L			04/01/19 16:14	5
Nitrate as N	ND		0.050	0.020	mg/L			03/21/19 16:38	1
Nitrite as N	ND		0.050	0.020	mg/L			03/21/19 16:38	1
Sulfide	**0.33**	*****	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	**0.38**	**H F1**	0.10	0.050	mg/L			04/08/19 14:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.8**		1.0	0.43	mg/L			03/27/19 20:57	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Client Sample ID: MW 4S 032019
Date Collected: 03/20/19 09:10
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/19 16:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 16:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 16:43	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 16:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/19 16:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/19 16:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 16:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 16:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 16:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 16:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 16:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 16:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 16:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 16:43	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 16:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 16:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 16:43	1
Acetone	ND		10	3.0	ug/L			03/22/19 16:43	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 16:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 16:43	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 16:43	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 16:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 16:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 16:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 16:43	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 16:43	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 16:43	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 16:43	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 16:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/19 16:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 16:43	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 16:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 16:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 16:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 16:43	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 16:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/19 16:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 16:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 16:43	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 16:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 16:43	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 16:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 16:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 16:43	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/19 16:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 16:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/19 16:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 16:43	1

Client Sample ID: MW 4S 032019

Lab Sample ID: 480-150634-9

Date Collected: 03/20/19 09:10

Matrix: Water

Date Received: 03/21/19 12:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*03/22/19 16:43*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/22/19 16:43*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/22/19 16:43*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*03/22/19 16:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.8**		5.0	2.8	mg/L			03/22/19 15:43	10
Sulfate	**862**		20.0	3.5	mg/L			03/22/19 15:43	10
Alkalinity, Bicarbonate	**394**	**B**	50.0	20.0	mg/L			04/01/19 16:14	5
Nitrate as N	ND		0.050	0.020	mg/L			03/21/19 16:41	1
Nitrite as N	ND		0.050	0.020	mg/L			03/21/19 16:41	1
Sulfide	ND	*	0.10	0.050	mg/L			03/25/19 22:12	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H *	0.10	0.050	mg/L			04/02/19 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.1**		1.0	0.43	mg/L			03/27/19 21:13	1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 480-150634-10

Date Collected: 03/20/19 00:00

Matrix: Water

Date Received: 03/21/19 12:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/19 17:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 17:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 17:10	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 17:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/19 17:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/19 17:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 17:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 17:10	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 17:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 17:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 17:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 17:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 17:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 17:10	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 17:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 17:10	1
Acetone	ND		10	3.0	ug/L			03/22/19 17:10	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 17:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 17:10	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 17:10	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 17:10	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Client Sample ID: TRIP BLANKS
Date Collected: 03/20/19 00:00
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 17:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 17:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 17:10	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 17:10	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 17:10	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 17:10	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 17:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/19 17:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 17:10	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 17:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 17:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 17:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 17:10	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 17:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/19 17:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 17:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 17:10	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 17:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 17:10	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 17:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 17:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 17:10	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/19 17:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 17:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/19 17:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*03/22/19 17:10*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*03/22/19 17:10*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/22/19 17:10*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/22/19 17:10*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-150634-1	MW 6D 032019	96	95	99	99
480-150634-2	MW 10D 032019	97	95	94	102
480-150634-2 MS	MW 10D 032019	100	96	100	100
480-150634-2 MSD	MW 10D 032019	103	95	101	102
480-150634-3	MW 6S 032019	101	94	97	100
480-150634-4	MW 10S 032019	102	93	99	105
480-150634-5	MW 6DD 032019	100	95	98	97
480-150634-6	MW 5D 032019	99	94	95	101
480-150634-7	MW 5S 032019	101	95	99	101
480-150634-8	MW 4D 032019	100	97	100	104
480-150634-9	MW 4S 032019	104	94	99	104
480-150634-10	TRIP BLANKS	104	92	98	102
LCS 480-464199/5	Lab Control Sample	98	95	101	99
MB 480-464199/7	Method Blank	97	95	98	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

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

Lab Sample ID: MB 480-464199/7
Matrix: Water
Analysis Batch: 464199

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/19 11:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/19 11:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/19 11:11	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/22/19 11:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/19 11:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/19 11:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/19 11:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/19 11:11	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/22/19 11:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/19 11:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/19 11:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/19 11:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/19 11:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/19 11:11	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/19 11:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/19 11:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/19 11:11	1
Acetone	ND		10	3.0	ug/L			03/22/19 11:11	1
Benzene	ND		1.0	0.41	ug/L			03/22/19 11:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/19 11:11	1
Bromoform	ND		1.0	0.26	ug/L			03/22/19 11:11	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/19 11:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/19 11:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/19 11:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/19 11:11	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/19 11:11	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/19 11:11	1
Chloroform	ND		1.0	0.34	ug/L			03/22/19 11:11	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/19 11:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/19 11:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/19 11:11	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/19 11:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/19 11:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/19 11:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/19 11:11	1
Methyl acetate	ND		1.3	1.3	ug/L			03/22/19 11:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/19 11:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/19 11:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/19 11:11	1
Styrene	ND		1.0	0.73	ug/L			03/22/19 11:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/19 11:11	1
Toluene	ND		1.0	0.51	ug/L			03/22/19 11:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/19 11:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/19 11:11	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/19 11:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/19 11:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/19 11:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/19 11:11	1

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

Lab Sample ID: MB 480-464199/7
Matrix: Water
Analysis Batch: 464199

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*03/22/19 11:11*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/22/19 11:11*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/22/19 11:11*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*03/22/19 11:11*	*1*

Lab Sample ID: LCS 480-464199/5
Matrix: Water
Analysis Batch: 464199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.2		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	76 - 120
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	28.5		ug/L		114	61 - 148
1,1-Dichloroethane	25.0	24.9		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	25.9		ug/L		104	66 - 127
1,2,4-Trichlorobenzene	25.0	27.3		ug/L		109	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.1		ug/L		100	56 - 134
1,2-Dibromoethane (EDB)	25.0	25.2		ug/L		101	77 - 120
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	25.5		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	25.9		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 120
2-Hexanone	125	116		ug/L		93	65 - 127
2-Butanone (MEK)	125	116		ug/L		93	57 - 140
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	109		ug/L		88	56 - 142
Benzene	25.0	25.3		ug/L		101	71 - 124
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	27.5		ug/L		110	61 - 132
Bromomethane	25.0	18.8		ug/L		75	55 - 144
Carbon disulfide	25.0	28.8		ug/L		115	59 - 134
Carbon tetrachloride	25.0	29.2		ug/L		117	72 - 134
Chlorobenzene	25.0	24.7		ug/L		99	80 - 120
Chlorodibromomethane	25.0	25.9		ug/L		104	75 - 125
Chloroethane	25.0	19.0		ug/L		76	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	19.0		ug/L		76	68 - 124
cis-1,2-Dichloroethene	25.0	24.1		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	28.1		ug/L		113	74 - 124
Cyclohexane	25.0	26.8		ug/L		107	59 - 135
Dichlorodifluoromethane	25.0	19.8		ug/L		79	59 - 135
Ethylbenzene	25.0	25.2		ug/L		101	77 - 123
Isopropylbenzene	25.0	27.3		ug/L		109	77 - 122
Methyl acetate	50.0	43.2		ug/L		86	74 - 133
Methyl tert-butyl ether	25.0	24.8		ug/L		99	77 - 120
Methylcyclohexane	25.0	27.3		ug/L		109	68 - 134

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

Lab Sample ID: LCS 480-464199/5
Matrix: Water
Analysis Batch: 464199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
Styrene	25.0	26.8		ug/L		107	80 - 120
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	26.6		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	80 - 120
Trichloroethene	25.0	27.9		ug/L		112	74 - 123
Trichlorofluoromethane	25.0	25.2		ug/L		101	62 - 150
Vinyl chloride	25.0	21.2		ug/L		85	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Lab Sample ID: 480-150634-2 MS
Matrix: Water
Analysis Batch: 464199

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	30.0		ug/L		120	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.6		ug/L		110	76 - 120
1,1,2-Trichloroethane	ND		25.0	27.7		ug/L		111	76 - 122
1,1,2-Trichlorotrifluoroethane	ND		25.0	25.6		ug/L		102	61 - 148
1,1-Dichloroethane	ND		25.0	27.8		ug/L		111	77 - 120
1,1-Dichloroethene	ND		25.0	28.2		ug/L		113	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	29.5		ug/L		118	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	30.1		ug/L		121	56 - 134
1,2-Dibromoethane (EDB)	ND		25.0	28.4		ug/L		114	77 - 120
1,2-Dichlorobenzene	ND		25.0	28.9		ug/L		116	80 - 124
1,2-Dichloroethane	ND		25.0	26.3		ug/L		105	75 - 120
1,2-Dichloropropane	ND		25.0	28.2		ug/L		113	76 - 120
1,3-Dichlorobenzene	ND		25.0	27.9		ug/L		112	77 - 120
1,4-Dichlorobenzene	ND		25.0	27.4		ug/L		110	78 - 124
2-Hexanone	ND		125	126		ug/L		101	65 - 127
2-Butanone (MEK)	ND		125	129		ug/L		103	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	136		ug/L		109	71 - 125
Acetone	ND		125	117		ug/L		93	56 - 142
Benzene	ND		25.0	27.6		ug/L		110	71 - 124
Bromodichloromethane	ND		25.0	29.4		ug/L		118	80 - 122
Bromoform	ND		25.0	29.5		ug/L		118	61 - 132
Bromomethane	ND		25.0	22.3		ug/L		89	55 - 144
Carbon disulfide	ND		25.0	28.7		ug/L		115	59 - 134
Carbon tetrachloride	ND		25.0	31.1		ug/L		124	72 - 134
Chlorobenzene	ND		25.0	26.9		ug/L		108	80 - 120
Chlorodibromomethane	ND		25.0	29.6		ug/L		118	75 - 125
Chloroethane	ND		25.0	22.4		ug/L		90	69 - 136

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

Lab Sample ID: 480-150634-2 MS
Matrix: Water
Analysis Batch: 464199

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		25.0	27.5		ug/L		110	73 - 127
Chloromethane	ND		25.0	23.4		ug/L		94	68 - 124
cis-1,2-Dichloroethene	ND		25.0	26.9		ug/L		108	74 - 124
cis-1,3-Dichloropropene	ND		25.0	28.3		ug/L		113	74 - 124
Cyclohexane	ND		25.0	24.4		ug/L		97	59 - 135
Dichlorodifluoromethane	ND		25.0	19.1		ug/L		77	59 - 135
Ethylbenzene	ND		25.0	27.0		ug/L		108	77 - 123
Isopropylbenzene	ND		25.0	29.7		ug/L		119	77 - 122
Methyl acetate	ND		50.0	49.5		ug/L		99	74 - 133
Methyl tert-butyl ether	0.33	J	25.0	28.4		ug/L		112	77 - 120
Methylcyclohexane	ND		25.0	23.9		ug/L		96	68 - 134
Methylene Chloride	ND		25.0	27.7		ug/L		111	75 - 124
Styrene	ND		25.0	27.8		ug/L		111	80 - 120
Tetrachloroethene	ND		25.0	28.0		ug/L		112	74 - 122
Toluene	ND		25.0	26.2		ug/L		105	80 - 122
trans-1,2-Dichloroethene	ND		25.0	29.2		ug/L		117	73 - 127
trans-1,3-Dichloropropene	ND		25.0	28.2		ug/L		113	80 - 120
Trichloroethene	ND		25.0	29.4		ug/L		118	74 - 123
Trichlorofluoromethane	ND		25.0	28.4		ug/L		113	62 - 150
Vinyl chloride	ND		25.0	24.0		ug/L		96	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: 480-150634-2 MSD
Matrix: Water
Analysis Batch: 464199

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	30.5		ug/L		122	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.5		ug/L		106	76 - 120	4	15
1,1,2-Trichloroethane	ND		25.0	26.4		ug/L		106	76 - 122	5	15
1,1,2-Trichlorotrifluoroethane	ND		25.0	27.6		ug/L		110	61 - 148	7	20
1,1-Dichloroethane	ND		25.0	27.9		ug/L		111	77 - 120	0	20
1,1-Dichloroethene	ND		25.0	29.2		ug/L		117	66 - 127	4	16
1,2,4-Trichlorobenzene	ND		25.0	27.8		ug/L		111	79 - 122	6	20
1,2-Dibromo-3-Chloropropane	ND		25.0	29.0		ug/L		116	56 - 134	4	15
1,2-Dibromoethane (EDB)	ND		25.0	28.2		ug/L		113	77 - 120	1	15
1,2-Dichlorobenzene	ND		25.0	27.4		ug/L		110	80 - 124	6	20
1,2-Dichloroethane	ND		25.0	26.4		ug/L		106	75 - 120	0	20
1,2-Dichloropropane	ND		25.0	28.3		ug/L		113	76 - 120	0	20
1,3-Dichlorobenzene	ND		25.0	26.9		ug/L		108	77 - 120	4	20
1,4-Dichlorobenzene	ND		25.0	26.2		ug/L		105	78 - 124	5	20
2-Hexanone	ND		125	127		ug/L		101	65 - 127	0	15
2-Butanone (MEK)	ND		125	128		ug/L		102	57 - 140	1	20

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

Lab Sample ID: 480-150634-2 MSD
Matrix: Water
Analysis Batch: 464199

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		125	135		ug/L		108	71 - 125	1	35
Acetone	ND		125	118		ug/L		95	56 - 142	1	15
Benzene	ND		25.0	28.0		ug/L		112	71 - 124	2	13
Bromodichloromethane	ND		25.0	29.7		ug/L		119	80 - 122	1	15
Bromoform	ND		25.0	29.5		ug/L		118	61 - 132	0	15
Bromomethane	ND		25.0	21.8		ug/L		87	55 - 144	2	15
Carbon disulfide	ND		25.0	29.4		ug/L		117	59 - 134	2	15
Carbon tetrachloride	ND		25.0	32.2		ug/L		129	72 - 134	3	15
Chlorobenzene	ND		25.0	26.3		ug/L		105	80 - 120	2	25
Chlorodibromomethane	ND		25.0	28.9		ug/L		115	75 - 125	2	15
Chloroethane	ND		25.0	22.0		ug/L		88	69 - 136	2	15
Chloroform	ND		25.0	27.6		ug/L		110	73 - 127	0	20
Chloromethane	ND		25.0	22.6		ug/L		90	68 - 124	4	15
cis-1,2-Dichloroethene	ND		25.0	27.6		ug/L		110	74 - 124	3	15
cis-1,3-Dichloropropene	ND		25.0	28.9		ug/L		115	74 - 124	2	15
Cyclohexane	ND		25.0	26.0		ug/L		104	59 - 135	6	20
Dichlorodifluoromethane	ND		25.0	20.1		ug/L		80	59 - 135	5	20
Ethylbenzene	ND		25.0	26.7		ug/L		107	77 - 123	1	15
Isopropylbenzene	ND		25.0	28.2		ug/L		113	77 - 122	5	20
Methyl acetate	ND		50.0	46.6		ug/L		93	74 - 133	6	20
Methyl tert-butyl ether	0.33	J	25.0	28.2		ug/L		111	77 - 120	1	37
Methylcyclohexane	ND		25.0	25.4		ug/L		102	68 - 134	6	20
Methylene Chloride	ND		25.0	26.9		ug/L		108	75 - 124	3	15
Styrene	ND		25.0	27.5		ug/L		110	80 - 120	1	20
Tetrachloroethene	ND		25.0	27.3		ug/L		109	74 - 122	2	20
Toluene	ND		25.0	26.7		ug/L		107	80 - 122	2	15
trans-1,2-Dichloroethene	ND		25.0	29.2		ug/L		117	73 - 127	0	20
trans-1,3-Dichloropropene	ND		25.0	28.2		ug/L		113	80 - 120	0	15
Trichloroethene	ND		25.0	30.5		ug/L		122	74 - 123	4	16
Trichlorofluoromethane	ND		25.0	28.4		ug/L		113	62 - 150	0	20
Vinyl chloride	ND		25.0	24.4		ug/L		98	65 - 133	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-464234/28
Matrix: Water
Analysis Batch: 464234

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			03/22/19 13:41	1
Sulfate	ND		2.0	0.35	mg/L			03/22/19 13:41	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 480-464234/4
Matrix: Water
Analysis Batch: 464234

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			03/22/19 10:25	1
Sulfate	ND		2.0	0.35	mg/L			03/22/19 10:25	1

Lab Sample ID: LCS 480-464234/27
Matrix: Water
Analysis Batch: 464234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.70		mg/L		99	90 - 110
Sulfate	50.0	47.89		mg/L		96	90 - 110

Lab Sample ID: LCS 480-464234/3
Matrix: Water
Analysis Batch: 464234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.96		mg/L		98	90 - 110
Sulfate	50.0	47.11		mg/L		94	90 - 110

Lab Sample ID: 480-150634-2 MS
Matrix: Water
Analysis Batch: 464234

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	380		500	870.5		mg/L		98	81 - 120
Sulfate	249		500	712.6		mg/L		93	80 - 120

Lab Sample ID: 480-150634-2 MSD
Matrix: Water
Analysis Batch: 464234

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	380		500	869.6		mg/L		98	81 - 120	0	20
Sulfate	249		500	714.3		mg/L		93	80 - 120	0	20

Lab Sample ID: MB 480-464502/4
Matrix: Water
Analysis Batch: 464502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			03/25/19 10:52	1
Sulfate	ND		2.0	0.35	mg/L			03/25/19 10:52	1

Lab Sample ID: LCS 480-464502/3
Matrix: Water
Analysis Batch: 464502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.08		mg/L		98	90 - 110
Sulfate	50.0	46.79		mg/L		94	90 - 110

Method: 310.2_ASP - Alkalinity - Colorimetric

Lab Sample ID: MB 480-465740/30
Matrix: Water
Analysis Batch: 465740

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	8.60	J	10.0	4.0	mg/L			04/01/19 14:46	1

Lab Sample ID: MB 480-465740/40
Matrix: Water
Analysis Batch: 465740

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	7.65	J	10.0	4.0	mg/L			04/01/19 16:12	1

Lab Sample ID: MB 480-465740/52
Matrix: Water
Analysis Batch: 465740

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	7.86	J	10.0	4.0	mg/L			04/01/19 17:42	1

Lab Sample ID: LCS 480-465740/31
Matrix: Water
Analysis Batch: 465740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	51.71		mg/L		103	90 - 110

Lab Sample ID: LCS 480-465740/41
Matrix: Water
Analysis Batch: 465740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	51.46		mg/L		103	90 - 110

Lab Sample ID: LCS 480-465740/53
Matrix: Water
Analysis Batch: 465740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	52.58		mg/L		105	90 - 110

Lab Sample ID: 480-150634-2 MS
Matrix: Water
Analysis Batch: 465740

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	270	B	20.0	278.0	4	mg/L		41	60 - 140

Lab Sample ID: 480-150634-2 MSD
Matrix: Water
Analysis Batch: 465740

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Bicarbonate	270	B	20.0	276.4	4	mg/L		33	60 - 140	1	20

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-465071/3
Matrix: Water
Analysis Batch: 465071

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			03/27/19 22:12	1

Lab Sample ID: LCS 480-465071/4
Matrix: Water
Analysis Batch: 465071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	1.50	1.48		mg/L		99	90 - 110

Lab Sample ID: 480-150634-2 MS
Matrix: Water
Analysis Batch: 465071

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	ND	H	1.00	1.01	H	mg/L		101	90 - 110

Lab Sample ID: 480-150634-2 MSD
Matrix: Water
Analysis Batch: 465071

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as N	ND	H	1.00	0.985	H	mg/L		99	90 - 110	3	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 490-583320/2
Matrix: Water
Analysis Batch: 583320

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	^	0.10	0.050	mg/L			03/25/19 22:12	1

Lab Sample ID: LCS 490-583320/3
Matrix: Water
Analysis Batch: 583320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	1.00	0.746	* ^	mg/L		75	90 - 110

Lab Sample ID: LCSD 490-583320/4
Matrix: Water
Analysis Batch: 583320

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	1.00	0.727	* ^	mg/L		73	90 - 110	3	10

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: 480-150634-2 MS
Matrix: Water
Analysis Batch: 583320

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	ND	^ *	1.00	0.398	F1 ^	mg/L		40	70 - 130		

Lab Sample ID: 480-150634-2 MSD
Matrix: Water
Analysis Batch: 583320

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	ND	^ *	1.00	0.362	F1 ^	mg/L		36	70 - 130	9	20

Lab Sample ID: MB 490-585390/2
Matrix: Water
Analysis Batch: 585390

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		0.10	0.050	mg/L			04/02/19 22:50	1

Lab Sample ID: LCS 490-585390/3
Matrix: Water
Analysis Batch: 585390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	1.00	1.21	*	mg/L		120	90 - 110		

Lab Sample ID: LCSD 490-585390/4
Matrix: Water
Analysis Batch: 585390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	1.00	1.21	*	mg/L		121	90 - 110	0	10

Lab Sample ID: MB 490-586534/2
Matrix: Water
Analysis Batch: 586534

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		0.10	0.050	mg/L			04/08/19 14:08	1

Lab Sample ID: LCS 490-586534/3
Matrix: Water
Analysis Batch: 586534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	1.00	0.964		mg/L		96	90 - 110		

Lab Sample ID: LCSD 490-586534/4
Matrix: Water
Analysis Batch: 586534

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	1.00	0.938		mg/L		94	90 - 110	3	10

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: 480-150634-8 MS
Matrix: Water
Analysis Batch: 586534

Client Sample ID: MW 4D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	0.38	H F1	1.00	0.812	F1	mg/L		44	70 - 130

Lab Sample ID: 480-150634-8 MSD
Matrix: Water
Analysis Batch: 586534

Client Sample ID: MW 4D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	0.38	H F1	1.00	0.828	F1	mg/L		45	70 - 130	2	20

Method: SM 4500 S2 D - Sulfide, Total - RA

Lab Sample ID: 480-150634-2 MS
Matrix: Water
Analysis Batch: 585390

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide - RA	ND	H F1 *	1.00	0.304	H F1	mg/L		30	70 - 130

Lab Sample ID: 480-150634-2 MSD
Matrix: Water
Analysis Batch: 585390

Client Sample ID: MW 10D 032019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide - RA	ND	H F1 *	1.00	0.332	H F1	mg/L		33	70 - 130	9	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 480-466020/3
Matrix: Water
Analysis Batch: 466020

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	0.586	J	1.0	0.43	mg/L			03/24/19 01:26	1

Lab Sample ID: LCS 480-466020/4
Matrix: Water
Analysis Batch: 466020

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	60.0	60.94		mg/L		102	90 - 110

Lab Sample ID: MB 480-466024/16
Matrix: Water
Analysis Batch: 466024

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	ND		1.0	0.43	mg/L			03/27/19 23:14	1

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: MB 480-466024/3
Matrix: Water
Analysis Batch: 466024

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	ND		1.0	0.43	mg/L			03/27/19 17:08	1

Lab Sample ID: LCS 480-466024/17
Matrix: Water
Analysis Batch: 466024

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Dissolved Organic Carbon - Duplicate			60.0	61.40		mg/L		102	90 - 110		

Lab Sample ID: LCS 480-466024/4
Matrix: Water
Analysis Batch: 466024

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Dissolved Organic Carbon - Duplicate			60.0	61.89		mg/L		103	90 - 110		

Lab Sample ID: 480-150634-2 MS
Matrix: Water
Analysis Batch: 466024

Client Sample ID: MW 10D 032019
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Dissolved Organic Carbon - Duplicate	2.5		25.0	25.49		mg/L		92	54 - 131		

Lab Sample ID: 480-150634-2 MSD
Matrix: Water
Analysis Batch: 466024

Client Sample ID: MW 10D 032019
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dissolved Organic Carbon - Duplicate	2.5		25.0	25.13		mg/L		91	54 - 131	1	20

GC/MS VOA

Analysis Batch: 464199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-1	MW 6D 032019	Total/NA	Water	8260C	
480-150634-2	MW 10D 032019	Total/NA	Water	8260C	
480-150634-3	MW 6S 032019	Total/NA	Water	8260C	
480-150634-4	MW 10S 032019	Total/NA	Water	8260C	
480-150634-5	MW 6DD 032019	Total/NA	Water	8260C	
480-150634-6	MW 5D 032019	Total/NA	Water	8260C	
480-150634-7	MW 5S 032019	Total/NA	Water	8260C	
480-150634-8	MW 4D 032019	Total/NA	Water	8260C	
480-150634-9	MW 4S 032019	Total/NA	Water	8260C	
480-150634-10	TRIP BLANKS	Total/NA	Water	8260C	
MB 480-464199/7	Method Blank	Total/NA	Water	8260C	
LCS 480-464199/5	Lab Control Sample	Total/NA	Water	8260C	
480-150634-2 MS	MW 10D 032019	Total/NA	Water	8260C	
480-150634-2 MSD	MW 10D 032019	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 464234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-1	MW 6D 032019	Total/NA	Water	300.0	
480-150634-2	MW 10D 032019	Total/NA	Water	300.0	
480-150634-3	MW 6S 032019	Total/NA	Water	300.0	
480-150634-4	MW 10S 032019	Total/NA	Water	300.0	
480-150634-5	MW 6DD 032019	Total/NA	Water	300.0	
480-150634-6	MW 5D 032019	Total/NA	Water	300.0	
480-150634-7	MW 5S 032019	Total/NA	Water	300.0	
480-150634-8	MW 4D 032019	Total/NA	Water	300.0	
480-150634-9	MW 4S 032019	Total/NA	Water	300.0	
MB 480-464234/28	Method Blank	Total/NA	Water	300.0	
MB 480-464234/4	Method Blank	Total/NA	Water	300.0	
LCS 480-464234/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-464234/3	Lab Control Sample	Total/NA	Water	300.0	
480-150634-2 MS	MW 10D 032019	Total/NA	Water	300.0	
480-150634-2 MSD	MW 10D 032019	Total/NA	Water	300.0	

Analysis Batch: 464242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-1	MW 6D 032019	Total/NA	Water	353.2	
480-150634-3	MW 6S 032019	Total/NA	Water	353.2	
480-150634-4	MW 10S 032019	Total/NA	Water	353.2	
480-150634-5	MW 6DD 032019	Total/NA	Water	353.2	
480-150634-6	MW 5D 032019	Total/NA	Water	353.2	
480-150634-7	MW 5S 032019	Total/NA	Water	353.2	
480-150634-8	MW 4D 032019	Total/NA	Water	353.2	
480-150634-9	MW 4S 032019	Total/NA	Water	353.2	

Analysis Batch: 464502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-7	MW 5S 032019	Total/NA	Water	300.0	
MB 480-464502/4	Method Blank	Total/NA	Water	300.0	
LCS 480-464502/3	Lab Control Sample	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 465044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-1	MW 6D 032019	Total/NA	Water	353.2	
480-150634-2	MW 10D 032019	Total/NA	Water	353.2	
480-150634-3	MW 6S 032019	Total/NA	Water	353.2	
480-150634-4	MW 10S 032019	Total/NA	Water	353.2	
480-150634-5	MW 6DD 032019	Total/NA	Water	353.2	
480-150634-6	MW 5D 032019	Total/NA	Water	353.2	
480-150634-7	MW 5S 032019	Total/NA	Water	353.2	
480-150634-8	MW 4D 032019	Total/NA	Water	353.2	
480-150634-9	MW 4S 032019	Total/NA	Water	353.2	

Analysis Batch: 465071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-2	MW 10D 032019	Total/NA	Water	353.2	
MB 480-465071/3	Method Blank	Total/NA	Water	353.2	
LCS 480-465071/4	Lab Control Sample	Total/NA	Water	353.2	
480-150634-2 MS	MW 10D 032019	Total/NA	Water	353.2	
480-150634-2 MSD	MW 10D 032019	Total/NA	Water	353.2	

Analysis Batch: 465740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-1	MW 6D 032019	Total/NA	Water	310.2_ASP	
480-150634-2	MW 10D 032019	Total/NA	Water	310.2_ASP	
480-150634-3	MW 6S 032019	Total/NA	Water	310.2_ASP	
480-150634-4	MW 10S 032019	Total/NA	Water	310.2_ASP	
480-150634-5	MW 6DD 032019	Total/NA	Water	310.2_ASP	
480-150634-6	MW 5D 032019	Total/NA	Water	310.2_ASP	
480-150634-7	MW 5S 032019	Total/NA	Water	310.2_ASP	
480-150634-8	MW 4D 032019	Total/NA	Water	310.2_ASP	
480-150634-9	MW 4S 032019	Total/NA	Water	310.2_ASP	
MB 480-465740/30	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-465740/40	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-465740/52	Method Blank	Total/NA	Water	310.2_ASP	
LCS 480-465740/31	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-465740/41	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-465740/53	Lab Control Sample	Total/NA	Water	310.2_ASP	
480-150634-2 MS	MW 10D 032019	Total/NA	Water	310.2_ASP	
480-150634-2 MSD	MW 10D 032019	Total/NA	Water	310.2_ASP	

Analysis Batch: 466020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-3	MW 6S 032019	Dissolved	Water	SM 5310C	
MB 480-466020/3	Method Blank	Dissolved	Water	SM 5310C	
LCS 480-466020/4	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 466024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-1	MW 6D 032019	Dissolved	Water	SM 5310C	
480-150634-2	MW 10D 032019	Dissolved	Water	SM 5310C	
480-150634-4	MW 10S 032019	Dissolved	Water	SM 5310C	
480-150634-5	MW 6DD 032019	Dissolved	Water	SM 5310C	
480-150634-6	MW 5D 032019	Dissolved	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 466024 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-7	MW 5S 032019	Dissolved	Water	SM 5310C	
480-150634-8	MW 4D 032019	Dissolved	Water	SM 5310C	
480-150634-9	MW 4S 032019	Dissolved	Water	SM 5310C	
MB 480-466024/16	Method Blank	Dissolved	Water	SM 5310C	
MB 480-466024/3	Method Blank	Dissolved	Water	SM 5310C	
LCS 480-466024/17	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 480-466024/4	Lab Control Sample	Dissolved	Water	SM 5310C	
480-150634-2 MS	MW 10D 032019	Dissolved	Water	SM 5310C	
480-150634-2 MSD	MW 10D 032019	Dissolved	Water	SM 5310C	

Analysis Batch: 583320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-1	MW 6D 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-2	MW 10D 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-3	MW 6S 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-4	MW 10S 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-5	MW 6DD 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-6	MW 5D 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-7	MW 5S 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-8	MW 4D 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-9	MW 4S 032019	Total/NA	Water	SM 4500 S2 D	
MB 490-583320/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-583320/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 490-583320/4	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
480-150634-2 MS	MW 10D 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-2 MSD	MW 10D 032019	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 585390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-2 - RA	MW 10D 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-3 - RA	MW 6S 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-4 - RA	MW 10S 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-5 - RA	MW 6DD 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-6 - RA	MW 5D 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-7 - RA	MW 5S 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-9 - RA	MW 4S 032019	Total/NA	Water	SM 4500 S2 D	
MB 490-585390/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-585390/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 490-585390/4	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
480-150634-2 MS - RA	MW 10D 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-2 MSD - RA	MW 10D 032019	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 586534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150634-1 - RA	MW 6D 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-8 - RA	MW 4D 032019	Total/NA	Water	SM 4500 S2 D	
MB 490-586534/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-586534/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 490-586534/4	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
480-150634-8 MS	MW 4D 032019	Total/NA	Water	SM 4500 S2 D	
480-150634-8 MSD	MW 4D 032019	Total/NA	Water	SM 4500 S2 D	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Client Sample ID: MW 6D 032019

Lab Sample ID: 480-150634-1

Date Collected: 03/20/19 09:30

Matrix: Water

Date Received: 03/21/19 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464199	03/22/19 13:07	AEM	TAL BUF
Total/NA	Analysis	300.0		5	464234	03/22/19 14:05	EMD	TAL BUF
Total/NA	Analysis	300.0		5	464234	03/22/19 14:05	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		5	465740	04/01/19 16:16	SAH	TAL BUF
Total/NA	Analysis	353.2		1	464242	03/21/19 16:26	SMH	TAL BUF
Total/NA	Analysis	353.2		1	465044	03/21/19 16:26	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	586534	04/08/19 14:08	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	466024	03/27/19 19:11	CLA	TAL BUF

Client Sample ID: MW 10D 032019

Lab Sample ID: 480-150634-2

Date Collected: 03/20/19 09:35

Matrix: Water

Date Received: 03/21/19 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464199	03/22/19 13:33	AEM	TAL BUF
Total/NA	Analysis	300.0		10	464234	03/22/19 11:14	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		5	465740	04/01/19 17:42	SAH	TAL BUF
Total/NA	Analysis	353.2		1	465044	03/21/19 16:27	SMH	TAL BUF
Total/NA	Analysis	353.2		1	465071	03/27/19 22:17	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	466024	03/27/19 23:45	CLA	TAL BUF

Client Sample ID: MW 6S 032019

Lab Sample ID: 480-150634-3

Date Collected: 03/20/19 11:10

Matrix: Water

Date Received: 03/21/19 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464199	03/22/19 14:00	AEM	TAL BUF
Total/NA	Analysis	300.0		2	464234	03/22/19 14:13	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		5	465740	04/01/19 16:16	SAH	TAL BUF
Total/NA	Analysis	353.2		1	464242	03/21/19 16:31	SMH	TAL BUF
Total/NA	Analysis	353.2		1	465044	03/21/19 16:31	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	466020	03/24/19 03:44	CLA	TAL BUF

Client Sample ID: MW 10S 032019

Lab Sample ID: 480-150634-4

Date Collected: 03/20/19 11:35

Matrix: Water

Date Received: 03/21/19 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464199	03/22/19 14:27	AEM	TAL BUF
Total/NA	Analysis	300.0		10	464234	03/22/19 14:22	EMD	TAL BUF
Total/NA	Analysis	300.0		10	464234	03/22/19 14:22	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		5	465740	04/01/19 16:14	SAH	TAL BUF
Total/NA	Analysis	353.2		1	464242	03/21/19 16:32	SMH	TAL BUF
Total/NA	Analysis	353.2		1	465044	03/21/19 16:32	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	466024	03/27/19 19:26	CLA	TAL BUF

Client Sample ID: MW 6DD 032019

Lab Sample ID: 480-150634-5

Date Collected: 03/20/19 12:50

Matrix: Water

Date Received: 03/21/19 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464199	03/22/19 14:54	AEM	TAL BUF
Total/NA	Analysis	300.0		5	464234	03/22/19 15:11	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		5	465740	04/01/19 16:14	SAH	TAL BUF
Total/NA	Analysis	353.2		1	464242	03/21/19 16:33	SMH	TAL BUF
Total/NA	Analysis	353.2		1	465044	03/21/19 16:33	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	466024	03/27/19 20:12	CLA	TAL BUF

Client Sample ID: MW 5D 032019

Lab Sample ID: 480-150634-6

Date Collected: 03/20/19 14:00

Matrix: Water

Date Received: 03/21/19 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464199	03/22/19 15:22	AEM	TAL BUF
Total/NA	Analysis	300.0		5	464234	03/22/19 15:19	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		5	465740	04/01/19 16:14	SAH	TAL BUF
Total/NA	Analysis	353.2		1	464242	03/21/19 16:34	SMH	TAL BUF
Total/NA	Analysis	353.2		1	465044	03/21/19 16:34	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	466024	03/27/19 20:27	CLA	TAL BUF

Client Sample ID: MW 5S 032019

Lab Sample ID: 480-150634-7

Date Collected: 03/20/19 14:35

Matrix: Water

Date Received: 03/21/19 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464199	03/22/19 15:49	AEM	TAL BUF
Total/NA	Analysis	300.0		2	464234	03/22/19 15:27	EMD	TAL BUF
Total/NA	Analysis	300.0		2	464234	03/22/19 15:27	EMD	TAL BUF
Total/NA	Analysis	300.0		5	464502	03/25/19 11:00	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		5	465740	04/01/19 16:14	SAH	TAL BUF
Total/NA	Analysis	353.2		1	464242	03/21/19 17:30	SMH	TAL BUF
Total/NA	Analysis	353.2		1	465044	03/21/19 17:30	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	466024	03/27/19 20:42	CLA	TAL BUF

Client Sample ID: MW 4D 032019

Lab Sample ID: 480-150634-8

Date Collected: 03/20/19 08:45

Matrix: Water

Date Received: 03/21/19 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464199	03/22/19 16:16	AEM	TAL BUF
Total/NA	Analysis	300.0		5	464234	03/22/19 15:35	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		5	465740	04/01/19 16:14	SAH	TAL BUF
Total/NA	Analysis	353.2		1	464242	03/21/19 16:38	SMH	TAL BUF
Total/NA	Analysis	353.2		1	465044	03/21/19 16:38	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	586534	04/08/19 14:08	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	466024	03/27/19 20:57	CLA	TAL BUF

Client Sample ID: MW 4S 032019

Lab Sample ID: 480-150634-9

Date Collected: 03/20/19 09:10

Matrix: Water

Date Received: 03/21/19 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464199	03/22/19 16:43	AEM	TAL BUF
Total/NA	Analysis	300.0		10	464234	03/22/19 15:43	EMD	TAL BUF
Total/NA	Analysis	310.2_ASP		5	465740	04/01/19 16:14	SAH	TAL BUF
Total/NA	Analysis	353.2		1	464242	03/21/19 16:41	SMH	TAL BUF
Total/NA	Analysis	353.2		1	465044	03/21/19 16:41	SMH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	583320	03/25/19 22:12	DRR	TAL NSH
Total/NA	Analysis	SM 4500 S2 D	RA	1	585390	04/02/19 22:50	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	466024	03/27/19 21:13	CLA	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Client Sample ID: TRIP BLANKS

Date Collected: 03/20/19 00:00
Date Received: 03/21/19 12:05

Lab Sample ID: 480-150634-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464199	03/22/19 17:10	AEM	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-150634-1
Project/Site: Forest Glen Monitoring

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 5310C		Water	Dissolved Organic Carbon - Duplicate

Laboratory: Eurofins TestAmerica, Nashville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11342	03-31-20

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
310.2_ASP	Alkalinity - Colorimetric	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL NSH
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-150634-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-150634-1	MW 6D 032019	Water	03/20/19 09:30	03/21/19 12:05
480-150634-2	MW 10D 032019	Water	03/20/19 09:35	03/21/19 12:05
480-150634-3	MW 6S 032019	Water	03/20/19 11:10	03/21/19 12:05
480-150634-4	MW 10S 032019	Water	03/20/19 11:35	03/21/19 12:05
480-150634-5	MW 6DD 032019	Water	03/20/19 12:50	03/21/19 12:05
480-150634-6	MW 5D 032019	Water	03/20/19 14:00	03/21/19 12:05
480-150634-7	MW 5S 032019	Water	03/20/19 14:35	03/21/19 12:05
480-150634-8	MW 4D 032019	Water	03/20/19 08:45	03/21/19 12:05
480-150634-9	MW 4S 032019	Water	03/20/19 09:10	03/21/19 12:05
480-150634-10	TRIP BLANKS	Water	03/20/19 00:00	03/21/19 12:05

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-150634-1
Project/Site: Forest Glen Monitoring

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	Methyl acetate	Water	Total/NA	ug/L	1.3	2.5

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koennecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-127136-27221.2
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:
City: East Syracuse	TAT Requested (days):
State, Zip: NY, 13221	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246
Email: Yuri.Veliz@obg.com	WO #:
Project Name: Forest Glen Monitoring	Project #: 48002808
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	300.0_28D - Cl, SO4	353.2, 353.2_Nitrite, Nitrate_Calc	SM5310_DOC_C - Dissolved Organic Carbon	310.2 - Alkalinity	SM4500_S2_D - Total Sulfide	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	A	N	CB	A		
MW 6D03 2019	3-20-19	9:30	G	Water			3	1	2	2	1	1		10	
MW 10D 032019	3-20-19	9:35	G	Water										10	
MW 10D MS 032019	3-20-19	9:35	G	Water											
MW 10D MSD 032019	3-20-19	9:35	G	Water											
MW 6S 032019	3-20-19	11:10	G	Water											
MW 10S 032019	3-20-19	11:35	G	Water											
MW 6DD 032019	3-20-19	1250	G	Water										10	
MW 5D 032019	3-20-19	14:00	G	Water										10	
MW 5S 032019	3-20-19	1435	G	Water										10	
MW 4D 032119	3-21-19	845	G	Water										10	
MW 4S 032119	3-21-19	910	G	Water			3	1	2	2	1	1		10	
QC TRIP BLANKS				Water									2	2	

480-150634 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koennecke	3-21-19 / 12:05	OBG		3/21/19 12:05	TAB.
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.6° C

Ver: 01/16/2019

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

480-150634 Chain of Custody

Cooler Received/Opened On 3/23/2019 @ 9:30

Time Samples Removed From Cooler 13:30 Time Samples Placed In Storage 13:50 (2 Hour Window)

1. Tracking # 2447 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 97310166 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 0.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) TR

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

● ⬅ Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-150634

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Deyo, Melissa L	COC No: 480-48452.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: melissa.deyo@testamericainc.com	State of Origin: New York	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York	Job #: 480-150634-1
Address: 2960 Foster Creighton Drive,	Due Date Requested: 4/2/2019		
City: Nashville	TAT Requested (days):		
State, Zip: TN, 37204			
Phone: 615-726-0177(Tel) 615-726-3404(Fax)	PO #:		
Email:	WO #:		
Project Name: Forest Glen Monitoring	Project #: 48002808		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_S2_D/ Sulfide, Total	Total Number of containers	Special Instructions/Note:
		Preservation Code:							
MW 6D 032019 (480-150634-1)	3/20/19	09:30 Eastern		Water			X	1	
MW 10D 032019 (480-150634-2)	3/20/19	09:35 Eastern		Water			X	1	
MW 10D 032019 (480-150634-2MS)	3/20/19	09:35 Eastern	MS	Water			X	1	
MW 10D 032019 (480-150634-2MSD)	3/20/19	09:35 Eastern	MSD	Water			X	1	
MW 6S 032019 (480-150634-3)	3/20/19	11:10 Eastern		Water			X	1	
MW 10S 032019 (480-150634-4)	3/20/19	11:35 Eastern		Water			X	1	
MW 6DD 032019 (480-150634-5)	3/20/19	12:50 Eastern		Water			X	1	
MW 5D 032019 (480-150634-6)	3/20/19	14:00 Eastern		Water			X	1	
MW 5S 032019 (480-150634-7)	3/20/19	14:35 Eastern		Water			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 3-22-19 1620	Company TAB	Received by:	Date/Time: 3/23/19 9:30	Company TALAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.7

Ver: 01/16/2019

4/12/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-150634-1

Login Number: 150634
List Number: 1
Creator: Hulbert, Michael J

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

March 29, 2019

David Carnevale
O'Brien & Gere
333 W Washington St
Syracuse, NY 13202

RE: **FOREST GLEN**

Pace Workorder: 29780

Dear David Carnevale:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, March 21, 2019. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ruth Welsh 03/29/2019
Ruth.Welsh@pacelabs.com

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email PAESfeedback@pacelabs.com.

Total Number of Pages 21

CERTIFICATE OF ANALYSIS

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water
Accreditor:	West Virginia Department of Environmental Protection, Division of Water and Waste Management
Accreditation ID:	395
Scope:	Non-Potable Water
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	State of Virginia
Accreditation ID:	460201
Scope:	Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, PAES is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

SAMPLE SUMMARY

Workorder: 29780 FOREST GLEN

Lab ID	Sample ID	Matrix	Date Collected	Date Received
297800001	MW 1D 031819	Water	3/18/2019 15:50	3/21/2019 11:00
297800002	MW 1S 031819	Water	3/18/2019 16:10	3/21/2019 11:00
297800003	MW 8DD 031919	Water	3/19/2019 09:45	3/21/2019 11:00
297800004	MW 8D 031919	Water	3/19/2019 09:50	3/21/2019 11:00
297800005	MW 8S 031919	Water	3/19/2019 12:15	3/21/2019 11:00
297800006	MW 7D 031919	Water	3/19/2019 12:40	3/21/2019 11:00
297800007	MW 7S 031919	Water	3/19/2019 14:35	3/21/2019 11:00
297800008	MW 7DD 031919	Water	3/19/2019 14:40	3/21/2019 11:00
297800009	X-1031919	Water	3/19/2019 00:00	3/21/2019 11:00
297800010	QC TRIP BLANK	Water		3/21/2019 11:00

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 29780 FOREST GLEN

Lab ID: **297800001** Date Received: 3/21/2019 11:00 Matrix: Water

Sample ID: **MW 1D 031819** Date Collected: 3/18/2019 15:50

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**25**	ug/l	0.50	0.067	1	3/25/2019 08:43	AK	
Ethane	**0.11J**	ug/l	0.20	0.0060	1	3/25/2019 08:43	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/25/2019 08:43	AK	

CERTIFICATE OF ANALYSIS

Pace Analytical Energy Services LLC
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Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 29780 FOREST GLEN

Lab ID: **297800002** Date Received: 3/21/2019 11:00 Matrix: Water

Sample ID: **MW 1S 031819** Date Collected: 3/18/2019 16:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.92**	ug/l	0.50	0.067	1	3/25/2019 08:53	AK	
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	3/25/2019 08:53	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/25/2019 08:53	AK	

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ANALYTICAL RESULTS

Workorder: 29780 FOREST GLEN

Lab ID: **297800003** Date Received: 3/21/2019 11:00 Matrix: Water

Sample ID: **MW 8DD 031919** Date Collected: 3/19/2019 09:45

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**180**	ug/l	0.50	0.067	1	3/25/2019 09:05	AK	
Ethane	**0.19J**	ug/l	0.20	0.0060	1	3/25/2019 09:05	AK	
Ethene	**0.018J**	ug/l	0.20	0.012	1	3/25/2019 09:05	AK	

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ANALYTICAL RESULTS

Workorder: 29780 FOREST GLEN

Lab ID: **297800004** Date Received: 3/21/2019 11:00 Matrix: Water

Sample ID: **MW 8D 031919** Date Collected: 3/19/2019 09:50

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**260**	ug/l	0.50	0.067	1	3/25/2019 09:18	AK	
Ethane	**0.16J**	ug/l	0.20	0.0060	1	3/25/2019 09:18	AK	
Ethene	**0.017J**	ug/l	0.20	0.012	1	3/25/2019 09:18	AK	

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ANALYTICAL RESULTS

Workorder: 29780 FOREST GLEN

Lab ID: **297800005** Date Received: 3/21/2019 11:00 Matrix: Water

Sample ID: **MW 8S 031919** Date Collected: 3/19/2019 12:15

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.13J**	ug/l	0.50	0.067	1	3/25/2019 09:29	AK	
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	3/25/2019 09:29	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/25/2019 09:29	AK	

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ANALYTICAL RESULTS

Workorder: 29780 FOREST GLEN

Lab ID: **297800006** Date Received: 3/21/2019 11:00 Matrix: Water

Sample ID: **MW 7D 031919** Date Collected: 3/19/2019 12:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.11J**	ug/l	0.50	0.067	1	3/25/2019 09:39	AK	
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	3/25/2019 09:39	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/25/2019 09:39	AK	

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ANALYTICAL RESULTS

Workorder: 29780 FOREST GLEN

Lab ID: **297800007** Date Received: 3/21/2019 11:00 Matrix: Water

Sample ID: **MW 7S 031919** Date Collected: 3/19/2019 14:35

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.14J**	ug/l	0.50	0.067	1	3/25/2019 09:50	AK	
Ethane	**0.014J**	ug/l	0.20	0.0060	1	3/25/2019 09:50	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/25/2019 09:50	AK	

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ANALYTICAL RESULTS

Workorder: 29780 FOREST GLEN

Lab ID: **297800008** Date Received: 3/21/2019 11:00 Matrix: Water

Sample ID: **MW 7DD 031919** Date Collected: 3/19/2019 14:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**390**	ug/l	2.0	0.27	4	3/27/2019 13:44	AK	d
Ethane	**5.1**	ug/l	0.20	0.0060	1	3/25/2019 10:00	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/25/2019 10:00	AK	

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ANALYTICAL RESULTS

Workorder: 29780 FOREST GLEN

Lab ID: **297800009** Date Received: 3/21/2019 11:00 Matrix: Water

Sample ID: **X-1031919** Date Collected: 3/19/2019 00:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.13J**	ug/l	0.50	0.067	1	3/25/2019 10:11	AK	
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	3/25/2019 10:11	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/25/2019 10:11	AK	

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ANALYTICAL RESULTS

Workorder: 29780 FOREST GLEN

Lab ID: **297800010** Date Received: 3/21/2019 11:00 Matrix: Water

Sample ID: **QC TRIP BLANK** Date Collected:

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.067U**	ug/l	0.50	0.067	1	3/25/2019 10:21	AK	
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	3/25/2019 10:21	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/25/2019 10:21	AK	

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 29780 FOREST GLEN

DEFINITIONS/QUALIFIERS

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).
d	The analyte concentration was determined from a dilution.

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QUALITY CONTROL DATA

Workorder: 29780 FOREST GLEN

QC Batch: DISG/7433 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 297800001, 297800002, 297800003, 297800004, 297800005, 297800006, 297800007, 297800008, 297800009, 297800010

METHOD BLANK: 60304

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.067U	0.067	
Ethane	ug/l	0.0060U	0.0060	
Ethene	ug/l	0.012U	0.012	

LABORATORY CONTROL SAMPLE & LCSD: 60305 60306

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Methane	ug/l	44	43	43	97	96	85-115	0.91	20	
Ethane	ug/l	83	81	80	97	96	85-115	1.1	20	
Ethene	ug/l	78	79	77	102	99	85-115	2.3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 60310 60311 Original: 297890002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK											
Methane	ug/l	70	44	110	110	97	101	70-130	1.5	20	
Ethane	ug/l	0.077	83	80	79	96	95	70-130	2	20	
Ethene	ug/l	0.015	78	77	75	100	97	70-130	2.9	20	

SAMPLE DUPLICATE: 60309 Original: 297800001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	25	26	3.5	20	
Ethane	ug/l	.11	.11	3.9	20	
Ethene	ug/l	0	0	0	20	

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QUALITY CONTROL DATA

Workorder: 29780 FOREST GLEN

QC Batch: DISG/7441 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 297800008

METHOD BLANK: 60361

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.067U	0.067	

LABORATORY CONTROL SAMPLE & LCSD: 60362 60363

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Methane	ug/l	44	44	44	100	100	85-115	0.12	20	

SAMPLE DUPLICATE: 60369 Original: 297890010

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	33	37	12	20	

SAMPLE DUPLICATE: 60370 Original: 298020001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	57	57	0.44	20	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 29780 FOREST GLEN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
297800001	MW 1D 031819			EPA RSK175	DISG/7433
297800002	MW 1S 031819			EPA RSK175	DISG/7433
297800003	MW 8DD 031919			EPA RSK175	DISG/7433
297800004	MW 8D 031919			EPA RSK175	DISG/7433
297800005	MW 8S 031919			EPA RSK175	DISG/7433
297800006	MW 7D 031919			EPA RSK175	DISG/7433
297800007	MW 7S 031919			EPA RSK175	DISG/7433
297800008	MW 7DD 031919			EPA RSK175	DISG/7433
297800009	X-1031919			EPA RSK175	DISG/7433
297800010	QC TRIP BLANK			EPA RSK175	DISG/7433
297800008	MW 7DD 031919			EPA RSK175	DISG/7441

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

29780

ALL SHADED AREAS are for LAB USE ONLY

Company: CBRIEN & GERE	Billing Information:
Address: 333 West Washington St	Syracuse NY 13221
Report To: YURI VELIZ	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: FOREST GLEN	State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email: 315-956-6100	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print):	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: MEE
MW 1D 031819	W	G	3-18-19	1550					3
MW 1S 031819	W	G	3-18-19	1610					3
MW 3DD 031919	W	G	3-A-19	945					3
MW 3D 031919	W	G	3-19-19	950					3
MW 3S 031919	W	G	3-19-19	1215					3
MW 7D 031919	W	G	3-19-19	1240					3
MW 7S 031919	W	G	3-19-19	1435					3
MW 7DD 031919	W	G	3-19-19	1440					3
X-1 031919	W	G	3-19-19	—					3
QC Trip Blanks	W								2

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: bubble wrap

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 12AV8 2317724

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: 1.1 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] CBG	3-19-19 1645	[signature]	3/19/19
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

NON-CONFORMANCE FORM

PAES Work Order #: 39738

Date: _____ Time of Receipt: _____ Receiver: _____

Client: _____

REASON FOR NON-CONFORMANCE:

ACTION TAKEN:

Client name: _____ Date: _____ Time: _____

Customer Service Initials: _____ Date: _____

Ruth Welsh - RE: Forest Glen

From: Yuri Veliz <Yuri.Veliz@obg.com>
To: Ruth Welsh <Ruth.Welsh@pacelabs.com>
Date: 3/21/2019 5:24 PM
Subject: RE: Forest Glen
Cc: Martin Koennecke <Martin.Koennecke@obg.com>

Hi,

Just talked to the sampling crew and the sample label to use should be the one in the labels in the vials - MW7DD(2)031919. However, the (2) is not correct. It should be MW7DD-031919.
Not sure if that can be fixed.

Let me know,

Thanks,

Yuri

OBG
Part of Ramboll

C. Yuri Veliz
Project Scientist

333 West Washington Street | PO Box 4873
Syracuse, NY 13221-4873
315-956-6322 | *c* 315-708-2014
Yuri.Veliz@obg.com|www.obg.com

From: Ruth Welsh [Ruth.Welsh@pacelabs.com]
Sent: Thursday, March 21, 2019 5:11 PM

To: Yuri Veliz <Yuri.Veliz@obg.com>
Subject: Forest Glen

THe samples for this project arrived today. During login there was a discrepancy noted with one of the sample IDs. For sample MW7DD0321919 listed on the COC, the vials were labeled as MW7DD(2)031919.

Can you confirm which sample ID we should use?

Thank you

Ruth Welsh
Assistant General Manager
Pace Analytical Energy Services, LLC
220 William Pitt Way, Pittsburgh,PA 15238
412-826-2387 (O) |412-209-8995(C)
www.pacelabs.com

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March 29, 2019

David Carnevale
O'Brien & Gere
333 W Washington St
Syracuse, NY 13202

RE: **FOREST GLEN**

Pace Workorder: 29789

Dear David Carnevale:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, March 22, 2019. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ruth Welsh 03/29/2019
Ruth.Welsh@pacelabs.com

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email PAESfeedback@pacelabs.com.

Total Number of Pages 21

CERTIFICATE OF ANALYSIS

Pace Analytical Energy Services LLC
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LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water
Accreditor:	West Virginia Department of Environmental Protection, Division of Water and Waste Management
Accreditation ID:	395
Scope:	Non-Potable Water
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	State of Virginia
Accreditation ID:	460201
Scope:	Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, PAES is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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SAMPLE SUMMARY

Workorder: 29789 FOREST GLEN

Lab ID	Sample ID	Matrix	Date Collected	Date Received
297890001	MW6D 032019	Water	3/20/2019 09:30	3/22/2019 08:30
297890002	MW10D 032019	Water	3/20/2019 09:35	3/22/2019 08:30
297890003	MW10D MS 032019	Water	3/20/2019 09:35	3/22/2019 08:30
297890004	MW10D MSD 032019	Water	3/20/2019 09:35	3/22/2019 08:30
297890005	MW6S 032019	Water	3/20/2019 11:10	3/22/2019 08:30
297890006	MW10S 032019	Water	3/20/2019 11:35	3/22/2019 08:30
297890007	MW6DD 032019	Water	3/20/2019 12:50	3/22/2019 08:30
297890008	MW5D 032019	Water	3/20/2019 14:00	3/22/2019 08:30
297890009	MW5S 032019	Water	3/20/2019 14:35	3/22/2019 08:30
297890010	MW4D 032119	Water	3/21/2019 08:45	3/22/2019 08:30
297890011	MW4S 032119	Water	3/21/2019 09:10	3/22/2019 08:30
297890012	QC TRIP BLANK	Water		3/22/2019 08:30

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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890001** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW6D 032019** Date Collected: 3/20/2019 09:30

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**220**	ug/l	0.50	0.067	1	3/25/2019 11:31	AK	
Ethane	**0.12J**	ug/l	0.20	0.0060	1	3/25/2019 11:31	AK	
Ethene	**0.027J**	ug/l	0.20	0.012	1	3/25/2019 11:31	AK	

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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890002** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW10D 032019** Date Collected: 3/20/2019 09:35

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**70**	ug/l	0.50	0.067	1	3/25/2019 11:41	AK	
Ethane	**0.077J**	ug/l	0.20	0.0060	1	3/25/2019 11:41	AK	
Ethene	**0.015J**	ug/l	0.20	0.012	1	3/25/2019 11:41	AK	

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220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890003** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW10D MS 032019** Date Collected: 3/20/2019 09:35

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**110**	ug/l	0.50	0.067	1	3/25/2019 11:51	AK	
Ethane	**80**	ug/l	0.20	0.0060	1	3/25/2019 11:51	AK	
Ethene	**77**	ug/l	0.20	0.012	1	3/25/2019 11:51	AK	

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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890004** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW10D MSD 032019** Date Collected: 3/20/2019 09:35

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**110**	ug/l	0.50	0.067	1	3/25/2019 12:04	AK	
Ethane	**79**	ug/l	0.20	0.0060	1	3/25/2019 12:04	AK	
Ethene	**75**	ug/l	0.20	0.012	1	3/25/2019 12:04	AK	

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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890005** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW6S 032019** Date Collected: 3/20/2019 11:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**140**	ug/l	0.50	0.067	1	3/25/2019 12:14	AK	
Ethane	**0.32**	ug/l	0.20	0.0060	1	3/25/2019 12:14	AK	
Ethene	**2.8**	ug/l	0.20	0.012	1	3/25/2019 12:14	AK	

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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890006** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW10S 032019** Date Collected: 3/20/2019 11:35

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**74**	ug/l	0.50	0.067	1	3/25/2019 12:41	AK	
Ethane	**0.098J**	ug/l	0.20	0.0060	1	3/25/2019 12:41	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/25/2019 12:41	AK	

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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890007** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW6DD 032019** Date Collected: 3/20/2019 12:50

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**24**	ug/l	0.50	0.067	1	3/25/2019 12:53	AK	
Ethane	**0.11J**	ug/l	0.20	0.0060	1	3/25/2019 12:53	AK	
Ethene	**0.091J**	ug/l	0.20	0.012	1	3/25/2019 12:53	AK	

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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890008** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW5D 032019** Date Collected: 3/20/2019 14:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**42**	ug/l	0.50	0.067	1	3/25/2019 13:04	AK	
Ethane	**0.083J**	ug/l	0.20	0.0060	1	3/25/2019 13:04	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/25/2019 13:04	AK	

CERTIFICATE OF ANALYSIS

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Phone: (412) 826-5245
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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890009** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW5S 032019** Date Collected: 3/20/2019 14:35

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**38**	ug/l	0.50	0.067	1	3/25/2019 13:14	AK	
Ethane	**0.088J**	ug/l	0.20	0.0060	1	3/25/2019 13:14	AK	
Ethene	**0.043J**	ug/l	0.20	0.012	1	3/25/2019 13:14	AK	

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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890010** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW4D 032119** Date Collected: 3/21/2019 08:45

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**33**	ug/l	0.50	0.067	1	3/27/2019 08:38	AK	
Ethane	**0.20**	ug/l	0.20	0.0060	1	3/27/2019 08:38	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/27/2019 08:38	AK	

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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890011** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **MW4S 032119** Date Collected: 3/21/2019 09:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**12**	ug/l	0.50	0.067	1	3/27/2019 08:48	AK	
Ethane	**0.018J**	ug/l	0.20	0.0060	1	3/27/2019 08:48	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/27/2019 08:48	AK	

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ANALYTICAL RESULTS

Workorder: 29789 FOREST GLEN

Lab ID: **297890012** Date Received: 3/22/2019 08:30 Matrix: Water

Sample ID: **QC TRIP BLANK** Date Collected:

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.067U**	ug/l	0.50	0.067	1	3/27/2019 08:59	AK	
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	3/27/2019 08:59	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	3/27/2019 08:59	AK	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 29789 FOREST GLEN

DEFINITIONS/QUALIFIERS

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).

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QUALITY CONTROL DATA

Workorder: 29789 FOREST GLEN

QC Batch: DISG/7433 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 297890001, 297890002, 297890003, 297890004, 297890005, 297890006, 297890007, 297890008, 297890009

METHOD BLANK: 60304

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.067U	0.067	
Ethane	ug/l	0.0060U	0.0060	
Ethene	ug/l	0.012U	0.012	

LABORATORY CONTROL SAMPLE & LCSD: 60305 60306

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Methane	ug/l	44	43	43	97	96	85-115	0.91	20	
Ethane	ug/l	83	81	80	97	96	85-115	1.1	20	
Ethene	ug/l	78	79	77	102	99	85-115	2.3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 60310 60311 Original: 297890002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK											
Methane	ug/l	70	44	110	110	97	101	70-130	1.5	20	
Ethane	ug/l	0.077	83	80	79	96	95	70-130	2	20	
Ethene	ug/l	0.015	78	77	75	100	97	70-130	2.9	20	

SAMPLE DUPLICATE: 60309 Original: 297800001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	25	26	3.5	20	
Ethane	ug/l	.11	.11	3.9	20	
Ethene	ug/l	0	0	0	20	

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QUALITY CONTROL DATA

Workorder: 29789 FOREST GLEN

QC Batch: DISG/7441 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 297890010, 297890011, 297890012

METHOD BLANK: 60361

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.067U	0.067	
Ethane	ug/l	0.0060U	0.0060	
Ethene	ug/l	0.012U	0.012	

LABORATORY CONTROL SAMPLE & LCSD: 60362 60363

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Methane	ug/l	44	44	44	100	100	85-115	0.12	20	
Ethane	ug/l	83	83	83	99	99	85-115	0.046	20	
Ethene	ug/l	78	80	80	103	103	85-115	0.61	20	

SAMPLE DUPLICATE: 60369 Original: 297890010

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	33	37	12	20	
Ethane	ug/l	.2	.22	7.4	20	
Ethene	ug/l	0	0	0	20	

SAMPLE DUPLICATE: 60370 Original: 298020001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	57	57	0.44	20	
Ethane	ug/l	.6	.67	11	20	
Ethene	ug/l	.084	.087	3.2	20	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 29789 FOREST GLEN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
297890001	MW6D 032019			EPA RSK175	DISG/7433
297890002	MW10D 032019			EPA RSK175	DISG/7433
297890003	MW10D MS 032019			EPA RSK175	DISG/7433
297890004	MW10D MSD 032019			EPA RSK175	DISG/7433
297890005	MW6S 032019			EPA RSK175	DISG/7433
297890006	MW10S 032019			EPA RSK175	DISG/7433
297890007	MW6DD 032019			EPA RSK175	DISG/7433
297890008	MW5D 032019			EPA RSK175	DISG/7433
297890009	MW5S 032019			EPA RSK175	DISG/7433
297890010	MW4D 032119			EPA RSK175	DISG/7441
297890011	MW4S 032119			EPA RSK175	DISG/7441
297890012	QC TRIP BLANK			EPA RSK175	DISG/7441

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

29789

DRF 3/20/19

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ALL SHADED AREAS are for LAB USE ONLY

Company: O'BRIEN & GERE	Billing Information:
Address: 333 WEST WASHINGTON ST SYRACUSE NY 13202	
Report To: YURI VELIZ	Email To: YURI.VELIZ@OBG.COM
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: FORREST GLEN MONITORING	State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email: 315-956-6100	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): MARTIN KOENNECKE	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Martin Koenecke	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	MEE	Analyses
MW 6D 032019	GW	G	3-20-19	930					3	
MW 10D 032019	GW	G	3-20-19	9:35					3	
MW 10D MS 032019	GW	G	3-20-19	9:35					3	
MW 10D MSD 032019	GW	G	3-20-19	9:35					3	
MW 6S 032019	GW	G	3-20-19	11:10					3	
MW 10S 032019	GW	G	3-20-19	11:35					3	
MW 6DD 032019	GW	G	3-20-19	1250					3	
MW 5D 032019	GW	G	3-20-19	14:00					3	
MW 5S 032019	GW	G	3-20-19	14:35					3	

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: bubble wrap

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 12AV8602182217723

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: 1.4 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Martin Koenecke OBG	3-21-19/1130	[illegible] PACE	3.22.19 0830
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

29784

2 of 2

ALL SHADED AREAS are for LAB USE ONLY

Company: OBRIEN & GERE

Billing Information:

Address: 333 WEST WASHINGTON ST SYRACUSE NY 13202

Report To: YURI VELIZ

Email To: YURI.VELIZ@OBG.COM

Copy To:

Site Collection Info/Address:

Customer Project Name/Number: FORREST GLEN MONITORING

State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone:
Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): MARTIN KOENNEKE

Purchase Order #:
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature): [signature]

Turnaround Date Required:

Immediately Packed on Ice: [ ] Yes [ ] No

Sample Disposal:
[ ] Dispose as appropriate [ ] Return
[ ] Archive: ______
[ ] Hold: ______

Rush:
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day
(Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: ______

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other ______

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: MEE
MW4D032119	GW	G	3-21-19	845					3
MW45032119	GW	G	3-21-19	9:10					3
QC Trip Blank	W								2

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	(Y) N NA
Custody Signatures Present	(Y) N NA
Collector Signature Present	(Y) N NA
Bottles Intact	(Y) N NA
Correct Bottles	(Y) N NA
Sufficient Volume	(Y) N NA
Samples Received on Ice	(Y) N NA
VOA - Headspace Acceptable	(Y) N NA
USDA Regulated Soils	Y N (NA)
Samples in Holding Time	(Y) N NA
Residual Chlorine Present	Y N (NA)
Cl Strips:	
Sample pH Acceptable	Y N (NA)
pH Strips:	
Sulfide Present	Y N (NA)
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: bubble wrap

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y N (N/A)

Lab Tracking #: 17AV8602 B013372109

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: (Y) N NA
Therm ID#: ______
Cooler 1 Temp Upon Receipt: 1.4 oC
Cooler 1 Therm Corr. Factor: ______ oC
Cooler 1 Corrected Temp: ______ oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] / OBG	3-21-19 / 1130	[signature] PASS	3-22-19 0852

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: (Y) N NA
HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: ______ of: ______

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-155298-1
Client Project/Site: Forest Glen Monitoring

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
6/28/2019 7:24:53 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-155298-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-155298-1

Receipt
The samples were received on 6/24/2019 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2º C.

GC/MS VOA
Method(s) 8260C: Surrogate recovery for the following sample was outside the upper control limit: MW10D 062019 (480-155298-3). This sample did not contain any target analytes above the reporting limit; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-479240 recovered above the upper control limit for Tetrachloroethene. The samples associated with this CCV were non-detect for the affected analyte above the reporting limit (RL); therefore, the data have been reported. The following samples are impacted: MW10D 062019 (480-155298-3), TRIP BLANK (480-155298-4), MW8DD 062019 (480-155298-8), MW7S 062019 (480-155298-9), MW8S 062019 (480-155298-10), MW7D 062019 (480-155298-11), MW8D 062019 (480-155298-12), MW1D 062019 (480-155298-13) and X-1 062019 (480-155298-14).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-479240 recovered outside acceptance criteria, low biased, for Vinyl chloride, Chloromethane and Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.The following samples are impacted: MW10D 062019 (480-155298-3), TRIP BLANK (480-155298-4), MW8DD 062019 (480-155298-8), MW7S 062019 (480-155298-9), MW8S 062019 (480-155298-10), MW7D 062019 (480-155298-11), MW8D 062019 (480-155298-12), MW1D 062019 (480-155298-13) and X-1 062019 (480-155298-14).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-479240 recovered outside control limits for the following analytes: Tetrachloroethene. This analyte was biased high in the LCS and was not detected above the reporting limit (RL) in the associated samples; therefore, the data have been reported. The following samples are impacted:MW10D 062019 (480-155298-3), TRIP BLANK (480-155298-4), MW8DD 062019 (480-155298-8), MW7S 062019 (480-155298-9), MW8S 062019 (480-155298-10), MW7D 062019 (480-155298-11), MW8D 062019 (480-155298-12), MW1D 062019 (480-155298-13) and X-1 062019 (480-155298-14).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-479407 recovered above the upper control limit for Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW10S 062019 (480-155298-1).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-479407 recovered outside control limits for the following analytes: Tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. the following samples are impacted MW10S 062019 (480-155298-1).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-479579 recovered outside acceptance criteria, low biased, for 2-Butanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: MW6S 061919 (480-155298-5), MW6D 061919 (480-155298-6) and MW6DD 062019 (480-155298-7).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Client Sample ID: MW10S 062019 — Lab Sample ID: 480-155298-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.26	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW1S 062019 — Lab Sample ID: 480-155298-2

No Detections.

Client Sample ID: MW10D 062019 — Lab Sample ID: 480-155298-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.22	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-155298-4

No Detections.

Client Sample ID: MW6S 061919 — Lab Sample ID: 480-155298-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	27		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	23		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW6D 061919 — Lab Sample ID: 480-155298-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.59	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: MW6DD 062019 — Lab Sample ID: 480-155298-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.48	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	24		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	6.7		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW8DD 062019 — Lab Sample ID: 480-155298-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.83	J	1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: MW7S 062019 — Lab Sample ID: 480-155298-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.44	J *	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.2		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW8S 062019 — Lab Sample ID: 480-155298-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.3		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.67	J *	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.8		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW7D 062019 — Lab Sample ID: 480-155298-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.51	J *	1.0	0.36	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Client Sample ID: MW7D 062019 (Continued) — Lab Sample ID: 480-155298-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.6		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW8D 062019 — Lab Sample ID: 480-155298-12

No Detections.

Client Sample ID: MW1D 062019 — Lab Sample ID: 480-155298-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.25	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: X-1 062019 — Lab Sample ID: 480-155298-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.47	J *	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.3		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW7DD 062019 — Lab Sample ID: 480-155298-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.46	J	1.0	0.19	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Client Sample ID: MW10S 062019
Date Collected: 06/20/19 14:25
Date Received: 06/24/19 17:10

Lab Sample ID: 480-155298-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/25/19 11:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/25/19 11:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/25/19 11:26	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/25/19 11:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/25/19 11:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/25/19 11:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/25/19 11:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/25/19 11:26	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/25/19 11:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/25/19 11:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/25/19 11:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/25/19 11:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/25/19 11:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/25/19 11:26	1
2-Hexanone	ND		5.0	1.2	ug/L			06/25/19 11:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/25/19 11:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/25/19 11:26	1
Acetone	ND		10	3.0	ug/L			06/25/19 11:26	1
Benzene	ND		1.0	0.41	ug/L			06/25/19 11:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/25/19 11:26	1
Bromoform	ND		1.0	0.26	ug/L			06/25/19 11:26	1
Bromomethane	ND		1.0	0.69	ug/L			06/25/19 11:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/25/19 11:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/25/19 11:26	1
Chlorobenzene	ND	F1	1.0	0.75	ug/L			06/25/19 11:26	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/25/19 11:26	1
Chloroethane	ND		1.0	0.32	ug/L			06/25/19 11:26	1
Chloroform	ND		1.0	0.34	ug/L			06/25/19 11:26	1
Chloromethane	ND		1.0	0.35	ug/L			06/25/19 11:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/25/19 11:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/25/19 11:26	1
Cyclohexane	ND		1.0	0.18	ug/L			06/25/19 11:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/25/19 11:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/25/19 11:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/25/19 11:26	1
Methyl acetate	ND		1.3	1.3	ug/L			06/25/19 11:26	1
Methyl tert-butyl ether	**0.26**	**J**	1.0	0.16	ug/L			06/25/19 11:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/25/19 11:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/25/19 11:26	1
Styrene	ND		1.0	0.73	ug/L			06/25/19 11:26	1
Tetrachloroethene	ND	* F1	1.0	0.36	ug/L			06/25/19 11:26	1
Toluene	ND		1.0	0.51	ug/L			06/25/19 11:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/25/19 11:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/25/19 11:26	1
Trichloroethene	ND		1.0	0.46	ug/L			06/25/19 11:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/25/19 11:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/25/19 11:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/25/19 11:26	1

Client Sample ID: MW10S 062019

Lab Sample ID: 480-155298-1

Date Collected: 06/20/19 14:25

Matrix: Water

Date Received: 06/24/19 17:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*06/25/19 11:26*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/25/19 11:26*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*06/25/19 11:26*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/25/19 11:26*	*1*

Client Sample ID: MW1S 062019

Lab Sample ID: 480-155298-2

Date Collected: 06/20/19 15:10

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/26/19 11:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/26/19 11:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/26/19 11:10	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/26/19 11:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/26/19 11:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/26/19 11:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/26/19 11:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/26/19 11:10	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/26/19 11:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/26/19 11:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/26/19 11:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/26/19 11:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/26/19 11:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/26/19 11:10	1
2-Hexanone	ND		5.0	1.2	ug/L			06/26/19 11:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/26/19 11:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/26/19 11:10	1
Acetone	ND		10	3.0	ug/L			06/26/19 11:10	1
Benzene	ND		1.0	0.41	ug/L			06/26/19 11:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/26/19 11:10	1
Bromoform	ND		1.0	0.26	ug/L			06/26/19 11:10	1
Bromomethane	ND		1.0	0.69	ug/L			06/26/19 11:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/26/19 11:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/26/19 11:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/26/19 11:10	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/26/19 11:10	1
Chloroethane	ND		1.0	0.32	ug/L			06/26/19 11:10	1
Chloroform	ND		1.0	0.34	ug/L			06/26/19 11:10	1
Chloromethane	ND		1.0	0.35	ug/L			06/26/19 11:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/26/19 11:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/26/19 11:10	1
Cyclohexane	ND		1.0	0.18	ug/L			06/26/19 11:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/26/19 11:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/26/19 11:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/26/19 11:10	1
Methyl acetate	ND		1.3	1.3	ug/L			06/26/19 11:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/26/19 11:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/26/19 11:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/26/19 11:10	1

Client Sample ID: MW1S 062019

Lab Sample ID: 480-155298-2

Date Collected: 06/20/19 15:10

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/26/19 11:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/26/19 11:10	1
Toluene	ND		1.0	0.51	ug/L			06/26/19 11:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/26/19 11:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/26/19 11:10	1
Trichloroethene	ND		1.0	0.46	ug/L			06/26/19 11:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/26/19 11:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/26/19 11:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/26/19 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*06/26/19 11:10*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/26/19 11:10*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*06/26/19 11:10*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*06/26/19 11:10*	*1*

Client Sample ID: MW10D 062019

Lab Sample ID: 480-155298-3

Date Collected: 06/20/19 15:18

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 14:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 14:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 14:59	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 14:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 14:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 14:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 14:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 14:59	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 14:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 14:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 14:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 14:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 14:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 14:59	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 14:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 14:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 14:59	1
Acetone	ND		10	3.0	ug/L			06/24/19 14:59	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 14:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 14:59	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 14:59	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 14:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/24/19 14:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 14:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 14:59	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 14:59	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 14:59	1
Chloroform	ND		1.0	0.34	ug/L			06/24/19 14:59	1

Client Sample ID: MW10D 062019

Lab Sample ID: 480-155298-3

Date Collected: 06/20/19 15:18

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 14:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/24/19 14:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 14:59	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 14:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 14:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 14:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 14:59	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 14:59	1
Methyl tert-butyl ether	**0.22**	**J**	1.0	0.16	ug/L			06/24/19 14:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 14:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 14:59	1
Styrene	ND		1.0	0.73	ug/L			06/24/19 14:59	1
Tetrachloroethene	ND	*	1.0	0.36	ug/L			06/24/19 14:59	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 14:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 14:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 14:59	1
Trichloroethene	ND		1.0	0.46	ug/L			06/24/19 14:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 14:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 14:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*06/24/19 14:59*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/24/19 14:59*	*1*
4-Bromofluorobenzene (Surr)	*121*	*X*	*73 - 120*		*06/24/19 14:59*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*06/24/19 14:59*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-155298-4

Date Collected: 06/20/19 00:00

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 15:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 15:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 15:26	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 15:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 15:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 15:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 15:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 15:26	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 15:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 15:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 15:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 15:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 15:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 15:26	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 15:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 15:26	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-155298-4

Date Collected: 06/20/19 00:00

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			06/24/19 15:26	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 15:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 15:26	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 15:26	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 15:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/24/19 15:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 15:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 15:26	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 15:26	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 15:26	1
Chloroform	ND		1.0	0.34	ug/L			06/24/19 15:26	1
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 15:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/24/19 15:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 15:26	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 15:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 15:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 15:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 15:26	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 15:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/24/19 15:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 15:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 15:26	1
Styrene	ND		1.0	0.73	ug/L			06/24/19 15:26	1
Tetrachloroethene	ND	*	1.0	0.36	ug/L			06/24/19 15:26	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 15:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 15:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 15:26	1
Trichloroethene	ND		1.0	0.46	ug/L			06/24/19 15:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 15:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 15:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/24/19 15:26*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/24/19 15:26*	*1*
4-Bromofluorobenzene (Surr)	*120*		*73 - 120*		*06/24/19 15:26*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/24/19 15:26*	*1*

Client Sample ID: MW6S 061919

Lab Sample ID: 480-155298-5

Date Collected: 06/19/19 16:40

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/26/19 01:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/26/19 01:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/26/19 01:11	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/26/19 01:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/26/19 01:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/26/19 01:11	1

Client Sample ID: MW6S 061919
Date Collected: 06/19/19 16:40
Date Received: 06/24/19 17:10

Lab Sample ID: 480-155298-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/26/19 01:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/26/19 01:11	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/26/19 01:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/26/19 01:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/26/19 01:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/26/19 01:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/26/19 01:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/26/19 01:11	1
2-Hexanone	ND		5.0	1.2	ug/L			06/26/19 01:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/26/19 01:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/26/19 01:11	1
Acetone	ND		10	3.0	ug/L			06/26/19 01:11	1
Benzene	ND		1.0	0.41	ug/L			06/26/19 01:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/26/19 01:11	1
Bromoform	ND		1.0	0.26	ug/L			06/26/19 01:11	1
Bromomethane	ND		1.0	0.69	ug/L			06/26/19 01:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/26/19 01:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/26/19 01:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/26/19 01:11	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/26/19 01:11	1
Chloroethane	ND		1.0	0.32	ug/L			06/26/19 01:11	1
Chloroform	ND		1.0	0.34	ug/L			06/26/19 01:11	1
Chloromethane	ND		1.0	0.35	ug/L			06/26/19 01:11	1
cis-1,2-Dichloroethene	**27**		1.0	0.81	ug/L			06/26/19 01:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/26/19 01:11	1
Cyclohexane	ND		1.0	0.18	ug/L			06/26/19 01:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/26/19 01:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/26/19 01:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/26/19 01:11	1
Methyl acetate	ND		1.3	1.3	ug/L			06/26/19 01:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/26/19 01:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/26/19 01:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/26/19 01:11	1
Styrene	ND		1.0	0.73	ug/L			06/26/19 01:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/26/19 01:11	1
Toluene	ND		1.0	0.51	ug/L			06/26/19 01:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/26/19 01:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/26/19 01:11	1
Trichloroethene	ND		1.0	0.46	ug/L			06/26/19 01:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/26/19 01:11	1
Vinyl chloride	**23**		1.0	0.90	ug/L			06/26/19 01:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/26/19 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/26/19 01:11*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/26/19 01:11*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*06/26/19 01:11*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*06/26/19 01:11*	*1*

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Client Sample ID: MW6D 061919
Date Collected: 06/19/19 16:42
Date Received: 06/24/19 17:10

Lab Sample ID: 480-155298-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/26/19 01:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/26/19 01:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/26/19 01:35	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/26/19 01:35	1
1,1-Dichloroethane	**0.59**	**J**	1.0	0.38	ug/L			06/26/19 01:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/26/19 01:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/26/19 01:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/26/19 01:35	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/26/19 01:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/26/19 01:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/26/19 01:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/26/19 01:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/26/19 01:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/26/19 01:35	1
2-Hexanone	ND		5.0	1.2	ug/L			06/26/19 01:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/26/19 01:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/26/19 01:35	1
Acetone	ND		10	3.0	ug/L			06/26/19 01:35	1
Benzene	ND		1.0	0.41	ug/L			06/26/19 01:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/26/19 01:35	1
Bromoform	ND		1.0	0.26	ug/L			06/26/19 01:35	1
Bromomethane	ND		1.0	0.69	ug/L			06/26/19 01:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/26/19 01:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/26/19 01:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/26/19 01:35	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/26/19 01:35	1
Chloroethane	ND		1.0	0.32	ug/L			06/26/19 01:35	1
Chloroform	ND		1.0	0.34	ug/L			06/26/19 01:35	1
Chloromethane	ND		1.0	0.35	ug/L			06/26/19 01:35	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			06/26/19 01:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/26/19 01:35	1
Cyclohexane	ND		1.0	0.18	ug/L			06/26/19 01:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/26/19 01:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/26/19 01:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/26/19 01:35	1
Methyl acetate	ND		1.3	1.3	ug/L			06/26/19 01:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/26/19 01:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/26/19 01:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/26/19 01:35	1
Styrene	ND		1.0	0.73	ug/L			06/26/19 01:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/26/19 01:35	1
Toluene	ND		1.0	0.51	ug/L			06/26/19 01:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/26/19 01:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/26/19 01:35	1
Trichloroethene	ND		1.0	0.46	ug/L			06/26/19 01:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/26/19 01:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/26/19 01:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/26/19 01:35	1

Client Sample ID: MW6D 061919

Lab Sample ID: 480-155298-6

Date Collected: 06/19/19 16:42

Matrix: Water

Date Received: 06/24/19 17:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/26/19 01:35*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/26/19 01:35*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*06/26/19 01:35*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*06/26/19 01:35*	*1*

Client Sample ID: MW6DD 062019

Lab Sample ID: 480-155298-7

Date Collected: 06/20/19 09:07

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/26/19 01:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/26/19 01:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/26/19 01:59	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/26/19 01:59	1
1,1-Dichloroethane	**0.48**	**J**	1.0	0.38	ug/L			06/26/19 01:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/26/19 01:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/26/19 01:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/26/19 01:59	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/26/19 01:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/26/19 01:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/26/19 01:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/26/19 01:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/26/19 01:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/26/19 01:59	1
2-Hexanone	ND		5.0	1.2	ug/L			06/26/19 01:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/26/19 01:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/26/19 01:59	1
Acetone	ND		10	3.0	ug/L			06/26/19 01:59	1
Benzene	ND		1.0	0.41	ug/L			06/26/19 01:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/26/19 01:59	1
Bromoform	ND		1.0	0.26	ug/L			06/26/19 01:59	1
Bromomethane	ND		1.0	0.69	ug/L			06/26/19 01:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/26/19 01:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/26/19 01:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/26/19 01:59	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/26/19 01:59	1
Chloroethane	ND		1.0	0.32	ug/L			06/26/19 01:59	1
Chloroform	ND		1.0	0.34	ug/L			06/26/19 01:59	1
Chloromethane	ND		1.0	0.35	ug/L			06/26/19 01:59	1
cis-1,2-Dichloroethene	**24**		1.0	0.81	ug/L			06/26/19 01:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/26/19 01:59	1
Cyclohexane	ND		1.0	0.18	ug/L			06/26/19 01:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/26/19 01:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/26/19 01:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/26/19 01:59	1
Methyl acetate	ND		1.3	1.3	ug/L			06/26/19 01:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/26/19 01:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/26/19 01:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/26/19 01:59	1

Client Sample ID: MW6DD 062019

Lab Sample ID: 480-155298-7

Date Collected: 06/20/19 09:07

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/26/19 01:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/26/19 01:59	1
Toluene	ND		1.0	0.51	ug/L			06/26/19 01:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/26/19 01:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/26/19 01:59	1
Trichloroethene	ND		1.0	0.46	ug/L			06/26/19 01:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/26/19 01:59	1
Vinyl chloride	**6.7**		1.0	0.90	ug/L			06/26/19 01:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/26/19 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/26/19 01:59*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/26/19 01:59*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*06/26/19 01:59*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*06/26/19 01:59*	*1*

Client Sample ID: MW8DD 062019

Lab Sample ID: 480-155298-8

Date Collected: 06/20/19 10:26

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 17:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 17:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 17:13	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 17:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 17:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 17:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 17:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 17:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 17:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 17:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 17:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 17:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 17:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 17:13	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 17:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 17:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 17:13	1
Acetone	ND		10	3.0	ug/L			06/24/19 17:13	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 17:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 17:13	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 17:13	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 17:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/24/19 17:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 17:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 17:13	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 17:13	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 17:13	1
Chloroform	ND		1.0	0.34	ug/L			06/24/19 17:13	1

Client Sample ID: MW8DD 062019

Lab Sample ID: 480-155298-8

Date Collected: 06/20/19 10:26

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 17:13	1
cis-1,2-Dichloroethene	**0.83**	**J**	1.0	0.81	ug/L			06/24/19 17:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 17:13	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 17:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 17:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 17:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 17:13	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 17:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/24/19 17:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 17:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 17:13	1
Styrene	ND		1.0	0.73	ug/L			06/24/19 17:13	1
Tetrachloroethene	ND	*	1.0	0.36	ug/L			06/24/19 17:13	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 17:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 17:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 17:13	1
Trichloroethene	ND		1.0	0.46	ug/L			06/24/19 17:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 17:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 17:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*06/24/19 17:13*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/24/19 17:13*	*1*
4-Bromofluorobenzene (Surr)	*120*		*73 - 120*		*06/24/19 17:13*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*06/24/19 17:13*	*1*

Client Sample ID: MW7S 062019

Lab Sample ID: 480-155298-9

Date Collected: 06/20/19 11:12

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 17:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 17:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 17:40	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 17:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 17:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 17:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 17:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 17:40	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 17:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 17:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 17:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 17:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 17:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 17:40	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 17:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 17:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 17:40	1

Client Sample ID: MW7S 062019

Lab Sample ID: 480-155298-9

Date Collected: 06/20/19 11:12

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			06/24/19 17:40	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 17:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 17:40	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 17:40	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 17:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/24/19 17:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 17:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 17:40	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 17:40	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 17:40	1
Chloroform	ND		1.0	0.34	ug/L			06/24/19 17:40	1
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 17:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/24/19 17:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 17:40	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 17:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 17:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 17:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 17:40	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 17:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/24/19 17:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 17:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 17:40	1
Styrene	ND		1.0	0.73	ug/L			06/24/19 17:40	1
Tetrachloroethene	**0.44**	**J ***	1.0	0.36	ug/L			06/24/19 17:40	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 17:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 17:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 17:40	1
Trichloroethene	**1.2**		1.0	0.46	ug/L			06/24/19 17:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 17:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 17:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*06/24/19 17:40*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/24/19 17:40*	*1*
4-Bromofluorobenzene (Surr)	*120*		*73 - 120*		*06/24/19 17:40*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/24/19 17:40*	*1*

Client Sample ID: MW8S 062019

Lab Sample ID: 480-155298-10

Date Collected: 06/20/19 11:20

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 18:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 18:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 18:07	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 18:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 18:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 18:07	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Client Sample ID: MW8S 062019
Date Collected: 06/20/19 11:20
Date Received: 06/24/19 17:10

Lab Sample ID: 480-155298-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 18:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 18:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 18:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 18:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 18:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 18:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 18:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 18:07	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 18:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 18:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 18:07	1
Acetone	ND		10	3.0	ug/L			06/24/19 18:07	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 18:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 18:07	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 18:07	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 18:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/24/19 18:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 18:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 18:07	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 18:07	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 18:07	1
Chloroform	ND		1.0	0.34	ug/L			06/24/19 18:07	1
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 18:07	1
cis-1,2-Dichloroethene	**2.3**		1.0	0.81	ug/L			06/24/19 18:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 18:07	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 18:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 18:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 18:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 18:07	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 18:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/24/19 18:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 18:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 18:07	1
Styrene	ND		1.0	0.73	ug/L			06/24/19 18:07	1
Tetrachloroethene	**0.67**	**J ***	1.0	0.36	ug/L			06/24/19 18:07	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 18:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 18:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 18:07	1
Trichloroethene	**2.8**		1.0	0.46	ug/L			06/24/19 18:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 18:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 18:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/24/19 18:07*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/24/19 18:07*	*1*
4-Bromofluorobenzene (Surr)	*120*		*73 - 120*		*06/24/19 18:07*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/24/19 18:07*	*1*

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Client Sample ID: MW7D 062019
Date Collected: 06/20/19 12:10
Date Received: 06/24/19 17:10

Lab Sample ID: 480-155298-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 18:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 18:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 18:33	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 18:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 18:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 18:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 18:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 18:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 18:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 18:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 18:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 18:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 18:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 18:33	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 18:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 18:33	1
Acetone	ND		10	3.0	ug/L			06/24/19 18:33	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 18:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 18:33	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 18:33	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 18:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/24/19 18:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 18:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 18:33	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 18:33	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 18:33	1
Chloroform	ND		1.0	0.34	ug/L			06/24/19 18:33	1
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 18:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/24/19 18:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 18:33	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 18:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 18:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 18:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 18:33	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 18:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/24/19 18:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 18:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 18:33	1
Styrene	ND		1.0	0.73	ug/L			06/24/19 18:33	1
Tetrachloroethene	**0.51**	**J ***	1.0	0.36	ug/L			06/24/19 18:33	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 18:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 18:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 18:33	1
Trichloroethene	**1.6**		1.0	0.46	ug/L			06/24/19 18:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 18:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 18:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 18:33	1

Client Sample ID: MW7D 062019

Lab Sample ID: 480-155298-11

Date Collected: 06/20/19 12:10

Matrix: Water

Date Received: 06/24/19 17:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/24/19 18:33	1
Toluene-d8 (Surr)	104		80 - 120		06/24/19 18:33	1
4-Bromofluorobenzene (Surr)	116		73 - 120		06/24/19 18:33	1
Dibromofluoromethane (Surr)	102		75 - 123		06/24/19 18:33	1

Client Sample ID: MW8D 062019

Lab Sample ID: 480-155298-12

Date Collected: 06/20/19 12:15

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 19:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 19:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 19:00	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 19:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 19:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 19:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 19:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 19:00	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 19:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 19:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 19:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 19:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 19:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 19:00	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 19:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 19:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 19:00	1
Acetone	ND		10	3.0	ug/L			06/24/19 19:00	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 19:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 19:00	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 19:00	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 19:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/24/19 19:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 19:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 19:00	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 19:00	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 19:00	1
Chloroform	ND		1.0	0.34	ug/L			06/24/19 19:00	1
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 19:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/24/19 19:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 19:00	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 19:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 19:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 19:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 19:00	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 19:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/24/19 19:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 19:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 19:00	1

Client Sample ID: MW8D 062019

Lab Sample ID: 480-155298-12

Date Collected: 06/20/19 12:15

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/24/19 19:00	1
Tetrachloroethene	ND	*	1.0	0.36	ug/L			06/24/19 19:00	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 19:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 19:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 19:00	1
Trichloroethene	ND		1.0	0.46	ug/L			06/24/19 19:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 19:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 19:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/24/19 19:00*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/24/19 19:00*	*1*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*06/24/19 19:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/24/19 19:00*	*1*

Client Sample ID: MW1D 062019

Lab Sample ID: 480-155298-13

Date Collected: 06/20/19 14:25

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 19:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 19:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 19:27	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 19:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 19:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 19:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 19:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 19:27	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 19:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 19:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 19:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 19:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 19:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 19:27	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 19:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 19:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 19:27	1
Acetone	ND		10	3.0	ug/L			06/24/19 19:27	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 19:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 19:27	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 19:27	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 19:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/24/19 19:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 19:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 19:27	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 19:27	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 19:27	1
Chloroform	ND		1.0	0.34	ug/L			06/24/19 19:27	1

Client Sample ID: MW1D 062019

Date Collected: 06/20/19 14:25
Date Received: 06/24/19 17:10

Lab Sample ID: 480-155298-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 19:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/24/19 19:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 19:27	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 19:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 19:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 19:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 19:27	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 19:27	1
Methyl tert-butyl ether	**0.25**	**J**	1.0	0.16	ug/L			06/24/19 19:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 19:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 19:27	1
Styrene	ND		1.0	0.73	ug/L			06/24/19 19:27	1
Tetrachloroethene	ND	*	1.0	0.36	ug/L			06/24/19 19:27	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 19:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 19:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 19:27	1
Trichloroethene	ND		1.0	0.46	ug/L			06/24/19 19:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 19:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 19:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/24/19 19:27*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/24/19 19:27*	*1*
4-Bromofluorobenzene (Surr)	*118*		*73 - 120*		*06/24/19 19:27*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*06/24/19 19:27*	*1*

Client Sample ID: X-1 062019

Date Collected: 06/20/19 00:00
Date Received: 06/24/19 17:10

Lab Sample ID: 480-155298-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 19:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 19:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 19:54	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 19:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 19:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 19:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 19:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 19:54	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 19:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 19:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 19:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 19:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 19:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 19:54	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 19:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 19:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 19:54	1

Client Sample ID: X-1 062019

Lab Sample ID: 480-155298-14

Date Collected: 06/20/19 00:00

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			06/24/19 19:54	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 19:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 19:54	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 19:54	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 19:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/24/19 19:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 19:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 19:54	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 19:54	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 19:54	1
Chloroform	ND		1.0	0.34	ug/L			06/24/19 19:54	1
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 19:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/24/19 19:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 19:54	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 19:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 19:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 19:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 19:54	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 19:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/24/19 19:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 19:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 19:54	1
Styrene	ND		1.0	0.73	ug/L			06/24/19 19:54	1
Tetrachloroethene	**0.47**	**J ***	1.0	0.36	ug/L			06/24/19 19:54	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 19:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 19:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 19:54	1
Trichloroethene	**1.3**		1.0	0.46	ug/L			06/24/19 19:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 19:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 19:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/24/19 19:54*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/24/19 19:54*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*06/24/19 19:54*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*06/24/19 19:54*	*1*

Client Sample ID: MW7DD 062019

Lab Sample ID: 480-155298-15

Date Collected: 06/20/19 10:22

Matrix: Water

Date Received: 06/24/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/25/19 02:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/25/19 02:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/25/19 02:07	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/25/19 02:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/25/19 02:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/25/19 02:07	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Client Sample ID: MW7DD 062019
Date Collected: 06/20/19 10:22
Date Received: 06/24/19 17:10

Lab Sample ID: 480-155298-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/25/19 02:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/25/19 02:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/25/19 02:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/25/19 02:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/25/19 02:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/25/19 02:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/25/19 02:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/25/19 02:07	1
2-Hexanone	ND		5.0	1.2	ug/L			06/25/19 02:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/25/19 02:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/25/19 02:07	1
Acetone	ND		10	3.0	ug/L			06/25/19 02:07	1
Benzene	ND		1.0	0.41	ug/L			06/25/19 02:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/25/19 02:07	1
Bromoform	ND		1.0	0.26	ug/L			06/25/19 02:07	1
Bromomethane	ND		1.0	0.69	ug/L			06/25/19 02:07	1
Carbon disulfide	**0.46**	**J**	1.0	0.19	ug/L			06/25/19 02:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/25/19 02:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/25/19 02:07	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/25/19 02:07	1
Chloroethane	ND		1.0	0.32	ug/L			06/25/19 02:07	1
Chloroform	ND		1.0	0.34	ug/L			06/25/19 02:07	1
Chloromethane	ND		1.0	0.35	ug/L			06/25/19 02:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/25/19 02:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/25/19 02:07	1
Cyclohexane	ND		1.0	0.18	ug/L			06/25/19 02:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/25/19 02:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/25/19 02:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/25/19 02:07	1
Methyl acetate	ND		1.3	1.3	ug/L			06/25/19 02:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/25/19 02:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/25/19 02:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/25/19 02:07	1
Styrene	ND		1.0	0.73	ug/L			06/25/19 02:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/25/19 02:07	1
Toluene	ND		1.0	0.51	ug/L			06/25/19 02:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/25/19 02:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/25/19 02:07	1
Trichloroethene	ND		1.0	0.46	ug/L			06/25/19 02:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/25/19 02:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/25/19 02:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/25/19 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/25/19 02:07*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/25/19 02:07*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*06/25/19 02:07*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/25/19 02:07*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-155298-1	MW10S 062019	98	104	115	100
480-155298-1 MS	MW10S 062019	94	107	117	97
480-155298-1 MSD	MW10S 062019	100	104	114	101
480-155298-2	MW1S 062019	96	91	82	92
480-155298-3	MW10D 062019	97	106	121 X	97
480-155298-4	TRIP BLANK	99	104	120	106
480-155298-5	MW6S 061919	99	96	103	107
480-155298-6	MW6D 061919	104	97	106	107
480-155298-7	MW6DD 062019	101	94	98	107
480-155298-8	MW8DD 062019	98	106	120	103
480-155298-9	MW7S 062019	98	104	120	101
480-155298-10	MW8S 062019	102	106	120	106
480-155298-11	MW7D 062019	103	104	116	102
480-155298-12	MW8D 062019	99	102	114	100
480-155298-13	MW1D 062019	99	105	118	103
480-155298-14	X-1 062019	101	104	115	103
480-155298-15	MW7DD 062019	99	90	93	100
LCS 480-479240/9	Lab Control Sample	95	104	113	100
LCS 480-479383/5	Lab Control Sample	102	91	92	98
LCS 480-479407/5	Lab Control Sample	96	104	112	99
LCS 480-479579/5	Lab Control Sample	99	96	103	100
LCS 480-479630/5	Lab Control Sample	98	95	92	92
MB 480-479240/7	Method Blank	96	104	115	97
MB 480-479383/7	Method Blank	101	92	94	101
MB 480-479407/7	Method Blank	100	102	119	107
MB 480-479579/7	Method Blank	98	95	94	108
MB 480-479630/7	Method Blank	104	91	85	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

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

Lab Sample ID: MB 480-479240/7
Matrix: Water
Analysis Batch: 479240

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 12:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 12:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 12:13	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 12:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 12:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 12:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 12:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 12:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 12:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 12:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 12:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 12:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 12:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 12:13	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 12:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 12:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 12:13	1
Acetone	ND		10	3.0	ug/L			06/24/19 12:13	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 12:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 12:13	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 12:13	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 12:13	1
Carbon disulfide	0.210	J	1.0	0.19	ug/L			06/24/19 12:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 12:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 12:13	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 12:13	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 12:13	1
Chloroform	ND		1.0	0.34	ug/L			06/24/19 12:13	1
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 12:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/24/19 12:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 12:13	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 12:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 12:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 12:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 12:13	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 12:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/24/19 12:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 12:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 12:13	1
Styrene	ND		1.0	0.73	ug/L			06/24/19 12:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/24/19 12:13	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 12:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 12:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 12:13	1
Trichloroethene	ND		1.0	0.46	ug/L			06/24/19 12:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 12:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 12:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 12:13	1

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

Lab Sample ID: MB 480-479240/7
Matrix: Water
Analysis Batch: 479240

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*06/24/19 12:13*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/24/19 12:13*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*06/24/19 12:13*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*06/24/19 12:13*	*1*

Lab Sample ID: LCS 480-479240/9
Matrix: Water
Analysis Batch: 479240

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.8		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.2		ug/L		89	76 - 120
1,1,2-Trichloroethane	25.0	26.4		ug/L		106	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	29.1		ug/L		116	61 - 148
1,1-Dichloroethane	25.0	24.5		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	25.3		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	25.0	29.4		ug/L		118	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	18.5		ug/L		74	56 - 134
1,2-Dibromoethane (EDB)	25.0	28.1		ug/L		112	77 - 120
1,2-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	26.4		ug/L		105	75 - 120
1,2-Dichloropropane	25.0	26.5		ug/L		106	76 - 120
1,3-Dichlorobenzene	25.0	28.2		ug/L		113	77 - 120
1,4-Dichlorobenzene	25.0	28.4		ug/L		113	80 - 120
2-Hexanone	125	117		ug/L		94	65 - 127
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	129		ug/L		103	56 - 142
Benzene	25.0	27.1		ug/L		108	71 - 124
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	24.4		ug/L		98	61 - 132
Bromomethane	25.0	25.5		ug/L		102	55 - 144
Carbon disulfide	25.0	23.9		ug/L		95	59 - 134
Carbon tetrachloride	25.0	28.4		ug/L		114	72 - 134
Chlorobenzene	25.0	29.1		ug/L		116	80 - 120
Chlorodibromomethane	25.0	27.0		ug/L		108	75 - 125
Chloroethane	25.0	23.2		ug/L		93	69 - 136
Chloroform	25.0	25.6		ug/L		102	73 - 127
Chloromethane	25.0	21.4		ug/L		86	68 - 124
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	27.6		ug/L		110	74 - 124
Cyclohexane	25.0	26.0		ug/L		104	59 - 135
Dichlorodifluoromethane	25.0	26.1		ug/L		104	59 - 135
Ethylbenzene	25.0	27.5		ug/L		110	77 - 123
Isopropylbenzene	25.0	27.6		ug/L		110	77 - 122
Methyl acetate	50.0	42.6		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	23.6		ug/L		94	77 - 120
Methylcyclohexane	25.0	28.9		ug/L		116	68 - 134

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

Lab Sample ID: LCS 480-479240/9
Matrix: Water
Analysis Batch: 479240

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	24.2		ug/L		97	75 - 124
Styrene	25.0	28.2		ug/L		113	80 - 120
Tetrachloroethene	25.0	35.1	*	ug/L		141	74 - 122
Toluene	25.0	28.2		ug/L		113	80 - 122
trans-1,2-Dichloroethene	25.0	26.1		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	27.8		ug/L		111	80 - 120
Trichloroethene	25.0	29.1		ug/L		116	74 - 123
Trichlorofluoromethane	25.0	27.9		ug/L		112	62 - 150
Vinyl chloride	25.0	22.0		ug/L		88	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: MB 480-479383/7
Matrix: Water
Analysis Batch: 479383

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/24/19 22:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/24/19 22:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/24/19 22:31	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/24/19 22:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/24/19 22:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/24/19 22:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/24/19 22:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/24/19 22:31	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/24/19 22:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/24/19 22:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/24/19 22:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/24/19 22:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/24/19 22:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/24/19 22:31	1
2-Hexanone	ND		5.0	1.2	ug/L			06/24/19 22:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/24/19 22:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/24/19 22:31	1
Acetone	ND		10	3.0	ug/L			06/24/19 22:31	1
Benzene	ND		1.0	0.41	ug/L			06/24/19 22:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/24/19 22:31	1
Bromoform	ND		1.0	0.26	ug/L			06/24/19 22:31	1
Bromomethane	ND		1.0	0.69	ug/L			06/24/19 22:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/24/19 22:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/24/19 22:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/24/19 22:31	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/24/19 22:31	1
Chloroethane	ND		1.0	0.32	ug/L			06/24/19 22:31	1

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

Lab Sample ID: MB 480-479383/7
Matrix: Water
Analysis Batch: 479383

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			06/24/19 22:31	1
Chloromethane	ND		1.0	0.35	ug/L			06/24/19 22:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/24/19 22:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/24/19 22:31	1
Cyclohexane	ND		1.0	0.18	ug/L			06/24/19 22:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/24/19 22:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/24/19 22:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/24/19 22:31	1
Methyl acetate	ND		1.3	1.3	ug/L			06/24/19 22:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/24/19 22:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/24/19 22:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/24/19 22:31	1
Styrene	ND		1.0	0.73	ug/L			06/24/19 22:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/24/19 22:31	1
Toluene	ND		1.0	0.51	ug/L			06/24/19 22:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/24/19 22:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/24/19 22:31	1
Trichloroethene	ND		1.0	0.46	ug/L			06/24/19 22:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/24/19 22:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/24/19 22:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/24/19 22:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/24/19 22:31*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/24/19 22:31*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*06/24/19 22:31*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/24/19 22:31*	*1*

Lab Sample ID: LCS 480-479383/5
Matrix: Water
Analysis Batch: 479383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.8		ug/L		91	76 - 120
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	25.4		ug/L		102	61 - 148
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	22.9		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.8		ug/L		95	56 - 134
1,2-Dibromoethane (EDB)	25.0	23.7		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	25.0		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	25.7		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	23.6		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 120
2-Hexanone	125	121		ug/L		97	65 - 127

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

Lab Sample ID: LCS 480-479383/5
Matrix: Water
Analysis Batch: 479383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	125	115		ug/L		92	57 - 140
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	127		ug/L		102	56 - 142
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromodichloromethane	25.0	25.3		ug/L		101	80 - 122
Bromoform	25.0	26.3		ug/L		105	61 - 132
Bromomethane	25.0	24.6		ug/L		98	55 - 144
Carbon disulfide	25.0	22.6		ug/L		91	59 - 134
Carbon tetrachloride	25.0	28.6		ug/L		114	72 - 134
Chlorobenzene	25.0	24.4		ug/L		97	80 - 120
Chlorodibromomethane	25.0	26.9		ug/L		108	75 - 125
Chloroethane	25.0	24.9		ug/L		100	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	25.5		ug/L		102	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	27.1		ug/L		109	59 - 135
Dichlorodifluoromethane	25.0	21.9		ug/L		88	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Isopropylbenzene	25.0	24.6		ug/L		98	77 - 122
Methyl acetate	50.0	43.1		ug/L		86	74 - 133
Methyl tert-butyl ether	25.0	23.2		ug/L		93	77 - 120
Methylcyclohexane	25.0	25.1		ug/L		100	68 - 134
Methylene Chloride	25.0	23.1		ug/L		92	75 - 124
Styrene	25.0	23.7		ug/L		95	80 - 120
Tetrachloroethene	25.0	24.9		ug/L		99	74 - 122
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	80 - 120
Trichloroethene	25.0	25.4		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	24.8		ug/L		99	62 - 150
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: MB 480-479407/7
Matrix: Water
Analysis Batch: 479407

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/25/19 10:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/25/19 10:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/25/19 10:54	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/25/19 10:54	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

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

Lab Sample ID: MB 480-479407/7
Matrix: Water
Analysis Batch: 479407

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/25/19 10:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/25/19 10:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/25/19 10:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/25/19 10:54	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/25/19 10:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/25/19 10:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/25/19 10:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/25/19 10:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/25/19 10:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/25/19 10:54	1
2-Hexanone	ND		5.0	1.2	ug/L			06/25/19 10:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/25/19 10:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/25/19 10:54	1
Acetone	ND		10	3.0	ug/L			06/25/19 10:54	1
Benzene	ND		1.0	0.41	ug/L			06/25/19 10:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/25/19 10:54	1
Bromoform	ND		1.0	0.26	ug/L			06/25/19 10:54	1
Bromomethane	ND		1.0	0.69	ug/L			06/25/19 10:54	1
Carbon disulfide	0.223	J	1.0	0.19	ug/L			06/25/19 10:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/25/19 10:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/25/19 10:54	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/25/19 10:54	1
Chloroethane	ND		1.0	0.32	ug/L			06/25/19 10:54	1
Chloroform	ND		1.0	0.34	ug/L			06/25/19 10:54	1
Chloromethane	ND		1.0	0.35	ug/L			06/25/19 10:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/25/19 10:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/25/19 10:54	1
Cyclohexane	ND		1.0	0.18	ug/L			06/25/19 10:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/25/19 10:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/25/19 10:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/25/19 10:54	1
Methyl acetate	ND		1.3	1.3	ug/L			06/25/19 10:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/25/19 10:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/25/19 10:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/25/19 10:54	1
Styrene	ND		1.0	0.73	ug/L			06/25/19 10:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/25/19 10:54	1
Toluene	ND		1.0	0.51	ug/L			06/25/19 10:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/25/19 10:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/25/19 10:54	1
Trichloroethene	ND		1.0	0.46	ug/L			06/25/19 10:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/25/19 10:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/25/19 10:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/25/19 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*06/25/19 10:54*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/25/19 10:54*	*1*

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

Lab Sample ID: MB 480-479407/7
Matrix: Water
Analysis Batch: 479407

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		73 - 120		06/25/19 10:54	1
Dibromofluoromethane (Surr)	107		75 - 123		06/25/19 10:54	1

Lab Sample ID: LCS 480-479407/5
Matrix: Water
Analysis Batch: 479407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.6		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.2		ug/L		85	76 - 120
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	27.5		ug/L		110	61 - 148
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	26.9		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	17.8		ug/L		71	56 - 134
1,2-Dibromoethane (EDB)	25.0	26.9		ug/L		108	77 - 120
1,2-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	25.4		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	26.5		ug/L		106	77 - 120
1,4-Dichlorobenzene	25.0	26.5		ug/L		106	80 - 120
2-Hexanone	125	109		ug/L		87	65 - 127
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
4-Methyl-2-pentanone (MIBK)	125	106		ug/L		85	71 - 125
Acetone	125	124		ug/L		99	56 - 142
Benzene	25.0	26.0		ug/L		104	71 - 124
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122
Bromoform	25.0	24.1		ug/L		96	61 - 132
Bromomethane	25.0	26.2		ug/L		105	55 - 144
Carbon disulfide	25.0	22.4		ug/L		90	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134
Chlorobenzene	25.0	27.8		ug/L		111	80 - 120
Chlorodibromomethane	25.0	25.8		ug/L		103	75 - 125
Chloroethane	25.0	23.2		ug/L		93	69 - 136
Chloroform	25.0	24.9		ug/L		99	73 - 127
Chloromethane	25.0	20.6		ug/L		82	68 - 124
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	23.9		ug/L		96	59 - 135
Dichlorodifluoromethane	25.0	24.2		ug/L		97	59 - 135
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
Isopropylbenzene	25.0	26.2		ug/L		105	77 - 122
Methyl acetate	50.0	41.9		ug/L		84	74 - 133
Methyl tert-butyl ether	25.0	22.6		ug/L		91	77 - 120
Methylcyclohexane	25.0	26.9		ug/L		108	68 - 134
Methylene Chloride	25.0	22.8		ug/L		91	75 - 124
Styrene	25.0	26.6		ug/L		106	80 - 120

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

Lab Sample ID: LCS 480-479407/5
Matrix: Water
Analysis Batch: 479407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	33.8	*	ug/L		135	74 - 122
Toluene	25.0	27.7		ug/L		111	80 - 122
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	25.9		ug/L		103	80 - 120
Trichloroethene	25.0	28.4		ug/L		114	74 - 123
Trichlorofluoromethane	25.0	29.2		ug/L		117	62 - 150
Vinyl chloride	25.0	22.0		ug/L		88	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Lab Sample ID: 480-155298-1 MS
Matrix: Water
Analysis Batch: 479407

Client Sample ID: MW10S 062019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	28.0		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	22.0		ug/L		88	76 - 120
1,1,2-Trichloroethane	ND		25.0	27.1		ug/L		108	76 - 122
1,1,2-Trichlorotrifluoroethane	ND		25.0	28.7		ug/L		115	61 - 148
1,1-Dichloroethane	ND		25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	ND		25.0	26.1		ug/L		104	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	27.7		ug/L		111	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	18.2		ug/L		73	56 - 134
1,2-Dibromoethane (EDB)	ND		25.0	29.0		ug/L		116	77 - 120
1,2-Dichlorobenzene	ND		25.0	26.1		ug/L		104	80 - 124
1,2-Dichloroethane	ND		25.0	25.3		ug/L		101	75 - 120
1,2-Dichloropropane	ND		25.0	25.0		ug/L		100	76 - 120
1,3-Dichlorobenzene	ND		25.0	27.3		ug/L		109	77 - 120
1,4-Dichlorobenzene	ND		25.0	27.7		ug/L		111	78 - 124
2-Hexanone	ND		125	110		ug/L		88	65 - 127
2-Butanone (MEK)	ND		125	113		ug/L		90	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	113		ug/L		90	71 - 125
Acetone	ND		125	96.6		ug/L		77	56 - 142
Benzene	ND		25.0	26.7		ug/L		107	71 - 124
Bromodichloromethane	ND		25.0	26.0		ug/L		104	80 - 122
Bromoform	ND		25.0	26.1		ug/L		104	61 - 132
Bromomethane	ND		25.0	27.0		ug/L		108	55 - 144
Carbon disulfide	ND		25.0	23.9		ug/L		96	59 - 134
Carbon tetrachloride	ND		25.0	28.0		ug/L		112	72 - 134
Chlorobenzene	ND	F1	25.0	29.9		ug/L		120	80 - 120
Chlorodibromomethane	ND		25.0	27.7		ug/L		111	75 - 125
Chloroethane	ND		25.0	24.1		ug/L		96	69 - 136
Chloroform	ND		25.0	25.0		ug/L		100	73 - 127
Chloromethane	ND		25.0	21.1		ug/L		84	68 - 124

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

Lab Sample ID: 480-155298-1 MS
Matrix: Water
Analysis Batch: 479407

Client Sample ID: MW10S 062019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	ND		25.0	24.9		ug/L		100	74 - 124
cis-1,3-Dichloropropene	ND		25.0	26.7		ug/L		107	74 - 124
Cyclohexane	ND		25.0	25.0		ug/L		100	59 - 135
Dichlorodifluoromethane	ND		25.0	25.1		ug/L		100	59 - 135
Ethylbenzene	ND		25.0	28.3		ug/L		113	77 - 123
Isopropylbenzene	ND		25.0	27.1		ug/L		108	77 - 122
Methyl acetate	ND		50.0	42.5		ug/L		85	74 - 133
Methyl tert-butyl ether	0.26	J	25.0	23.1		ug/L		91	77 - 120
Methylcyclohexane	ND		25.0	28.0		ug/L		112	68 - 134
Methylene Chloride	ND		25.0	23.5		ug/L		94	75 - 124
Styrene	ND		25.0	27.9		ug/L		111	80 - 120
Tetrachloroethene	ND	* F1	25.0	35.8	F1	ug/L		143	74 - 122
Toluene	ND		25.0	28.9		ug/L		115	80 - 122
trans-1,2-Dichloroethene	ND		25.0	25.9		ug/L		103	73 - 127
trans-1,3-Dichloropropene	ND		25.0	27.8		ug/L		111	80 - 120
Trichloroethene	ND		25.0	28.6		ug/L		115	74 - 123
Trichlorofluoromethane	ND		25.0	30.3		ug/L		121	62 - 150
Vinyl chloride	ND		25.0	22.9		ug/L		92	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*117*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: 480-155298-1 MSD
Matrix: Water
Analysis Batch: 479407

Client Sample ID: MW10S 062019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	30.3		ug/L		121	73 - 126	8	15
1,1,2,2-Tetrachloroethane	ND		25.0	22.4		ug/L		90	76 - 120	2	15
1,1,2-Trichloroethane	ND		25.0	27.1		ug/L		108	76 - 122	0	15
1,1,2-Trichlorotrifluoroethane	ND		25.0	31.2		ug/L		125	61 - 148	9	20
1,1-Dichloroethane	ND		25.0	25.9		ug/L		104	77 - 120	7	20
1,1-Dichloroethene	ND		25.0	28.0		ug/L		112	66 - 127	7	16
1,2,4-Trichlorobenzene	ND		25.0	28.5		ug/L		114	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		25.0	19.5		ug/L		78	56 - 134	7	15
1,2-Dibromoethane (EDB)	ND		25.0	28.5		ug/L		114	77 - 120	2	15
1,2-Dichlorobenzene	ND		25.0	26.3		ug/L		105	80 - 124	1	20
1,2-Dichloroethane	ND		25.0	27.7		ug/L		111	75 - 120	9	20
1,2-Dichloropropane	ND		25.0	27.8		ug/L		111	76 - 120	11	20
1,3-Dichlorobenzene	ND		25.0	28.1		ug/L		112	77 - 120	3	20
1,4-Dichlorobenzene	ND		25.0	28.1		ug/L		112	78 - 124	1	20
2-Hexanone	ND		125	111		ug/L		89	65 - 127	1	15
2-Butanone (MEK)	ND		125	119		ug/L		95	57 - 140	5	20
4-Methyl-2-pentanone (MIBK)	ND		125	112		ug/L		90	71 - 125	1	35
Acetone	ND		125	103		ug/L		82	56 - 142	6	15

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

Lab Sample ID: 480-155298-1 MSD
Matrix: Water
Analysis Batch: 479407

Client Sample ID: MW10S 062019
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	28.6		ug/L		115	71 - 124	7	13
Bromodichloromethane	ND		25.0	27.5		ug/L		110	80 - 122	6	15
Bromoform	ND		25.0	25.5		ug/L		102	61 - 132	2	15
Bromomethane	ND		25.0	28.2		ug/L		113	55 - 144	4	15
Carbon disulfide	ND		25.0	26.2		ug/L		105	59 - 134	9	15
Carbon tetrachloride	ND		25.0	30.4		ug/L		122	72 - 134	8	15
Chlorobenzene	ND	F1	25.0	30.2	F1	ug/L		121	80 - 120	1	25
Chlorodibromomethane	ND		25.0	28.2		ug/L		113	75 - 125	2	15
Chloroethane	ND		25.0	25.9		ug/L		104	69 - 136	7	15
Chloroform	ND		25.0	27.4		ug/L		110	73 - 127	9	20
Chloromethane	ND		25.0	22.4		ug/L		90	68 - 124	6	15
cis-1,2-Dichloroethene	ND		25.0	26.5		ug/L		106	74 - 124	6	15
cis-1,3-Dichloropropene	ND		25.0	28.7		ug/L		115	74 - 124	7	15
Cyclohexane	ND		25.0	26.9		ug/L		108	59 - 135	7	20
Dichlorodifluoromethane	ND		25.0	25.6		ug/L		103	59 - 135	2	20
Ethylbenzene	ND		25.0	28.7		ug/L		115	77 - 123	1	15
Isopropylbenzene	ND		25.0	27.9		ug/L		112	77 - 122	3	20
Methyl acetate	ND		50.0	43.9		ug/L		88	74 - 133	3	20
Methyl tert-butyl ether	0.26	J	25.0	24.5		ug/L		97	77 - 120	6	37
Methylcyclohexane	ND		25.0	30.3		ug/L		121	68 - 134	8	20
Methylene Chloride	ND		25.0	25.5		ug/L		102	75 - 124	8	15
Styrene	ND		25.0	28.5		ug/L		114	80 - 120	2	20
Tetrachloroethene	ND	* F1	25.0	36.4	F1	ug/L		145	74 - 122	2	20
Toluene	ND		25.0	29.5		ug/L		118	80 - 122	2	15
trans-1,2-Dichloroethene	ND		25.0	27.5		ug/L		110	73 - 127	6	20
trans-1,3-Dichloropropene	ND		25.0	27.8		ug/L		111	80 - 120	0	15
Trichloroethene	ND		25.0	30.5		ug/L		122	74 - 123	6	16
Trichlorofluoromethane	ND		25.0	31.9		ug/L		128	62 - 150	5	20
Vinyl chloride	ND		25.0	24.9		ug/L		100	65 - 133	8	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: MB 480-479579/7
Matrix: Water
Analysis Batch: 479579

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/25/19 22:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/25/19 22:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/25/19 22:40	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/25/19 22:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/25/19 22:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/25/19 22:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/25/19 22:40	1

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

Lab Sample ID: MB 480-479579/7
Matrix: Water
Analysis Batch: 479579

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/25/19 22:40	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/25/19 22:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/25/19 22:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/25/19 22:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/25/19 22:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/25/19 22:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/25/19 22:40	1
2-Hexanone	ND		5.0	1.2	ug/L			06/25/19 22:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/25/19 22:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/25/19 22:40	1
Acetone	ND		10	3.0	ug/L			06/25/19 22:40	1
Benzene	ND		1.0	0.41	ug/L			06/25/19 22:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/25/19 22:40	1
Bromoform	ND		1.0	0.26	ug/L			06/25/19 22:40	1
Bromomethane	ND		1.0	0.69	ug/L			06/25/19 22:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/25/19 22:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/25/19 22:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/25/19 22:40	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/25/19 22:40	1
Chloroethane	ND		1.0	0.32	ug/L			06/25/19 22:40	1
Chloroform	ND		1.0	0.34	ug/L			06/25/19 22:40	1
Chloromethane	ND		1.0	0.35	ug/L			06/25/19 22:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/25/19 22:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/25/19 22:40	1
Cyclohexane	ND		1.0	0.18	ug/L			06/25/19 22:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/25/19 22:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/25/19 22:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/25/19 22:40	1
Methyl acetate	ND		1.3	1.3	ug/L			06/25/19 22:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/25/19 22:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/25/19 22:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/25/19 22:40	1
Styrene	ND		1.0	0.73	ug/L			06/25/19 22:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/25/19 22:40	1
Toluene	ND		1.0	0.51	ug/L			06/25/19 22:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/25/19 22:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/25/19 22:40	1
Trichloroethene	ND		1.0	0.46	ug/L			06/25/19 22:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/25/19 22:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/25/19 22:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/25/19 22:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*06/25/19 22:40*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/25/19 22:40*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*06/25/19 22:40*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*06/25/19 22:40*	*1*

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

Lab Sample ID: LCS 480-479579/5
Matrix: Water
Analysis Batch: 479579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.6		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.7		ug/L		91	76 - 120
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	24.0		ug/L		96	61 - 148
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	24.6		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	26.3		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.4		ug/L		102	56 - 134
1,2-Dibromoethane (EDB)	25.0	24.5		ug/L		98	77 - 120
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	22.8		ug/L		91	76 - 120
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 120
2-Hexanone	125	114		ug/L		91	65 - 127
2-Butanone (MEK)	125	108		ug/L		86	57 - 140
4-Methyl-2-pentanone (MIBK)	125	108		ug/L		86	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	26.2		ug/L		105	80 - 122
Bromoform	25.0	27.0		ug/L		108	61 - 132
Bromomethane	25.0	23.6		ug/L		94	55 - 144
Carbon disulfide	25.0	24.5		ug/L		98	59 - 134
Carbon tetrachloride	25.0	28.5		ug/L		114	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Chlorodibromomethane	25.0	28.6		ug/L		114	75 - 125
Chloroethane	25.0	27.0		ug/L		108	69 - 136
Chloroform	25.0	21.8		ug/L		87	73 - 127
Chloromethane	25.0	21.2		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	27.3		ug/L		109	74 - 124
Cyclohexane	25.0	21.7		ug/L		87	59 - 135
Dichlorodifluoromethane	25.0	20.0		ug/L		80	59 - 135
Ethylbenzene	25.0	24.1		ug/L		96	77 - 123
Isopropylbenzene	25.0	24.6		ug/L		98	77 - 122
Methyl acetate	50.0	41.6		ug/L		83	74 - 133
Methyl tert-butyl ether	25.0	24.9		ug/L		100	77 - 120
Methylcyclohexane	25.0	24.3		ug/L		97	68 - 134
Methylene Chloride	25.0	23.3		ug/L		93	75 - 124
Styrene	25.0	26.1		ug/L		104	80 - 120
Tetrachloroethene	25.0	28.5		ug/L		114	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	80 - 120
Trichloroethene	25.0	23.8		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	24.9		ug/L		100	62 - 150
Vinyl chloride	25.0	24.6		ug/L		98	65 - 133

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

Lab Sample ID: LCS 480-479579/5
Matrix: Water
Analysis Batch: 479579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: MB 480-479630/7
Matrix: Water
Analysis Batch: 479630

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/26/19 10:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/26/19 10:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/26/19 10:34	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/26/19 10:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/26/19 10:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/26/19 10:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/26/19 10:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/26/19 10:34	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/26/19 10:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/26/19 10:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/26/19 10:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/26/19 10:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/26/19 10:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/26/19 10:34	1
2-Hexanone	ND		5.0	1.2	ug/L			06/26/19 10:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/26/19 10:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/26/19 10:34	1
Acetone	ND		10	3.0	ug/L			06/26/19 10:34	1
Benzene	ND		1.0	0.41	ug/L			06/26/19 10:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/26/19 10:34	1
Bromoform	ND		1.0	0.26	ug/L			06/26/19 10:34	1
Bromomethane	ND		1.0	0.69	ug/L			06/26/19 10:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/26/19 10:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/26/19 10:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/26/19 10:34	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/26/19 10:34	1
Chloroethane	ND		1.0	0.32	ug/L			06/26/19 10:34	1
Chloroform	ND		1.0	0.34	ug/L			06/26/19 10:34	1
Chloromethane	ND		1.0	0.35	ug/L			06/26/19 10:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/26/19 10:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/26/19 10:34	1
Cyclohexane	ND		1.0	0.18	ug/L			06/26/19 10:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/26/19 10:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/26/19 10:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/26/19 10:34	1
Methyl acetate	ND		1.3	1.3	ug/L			06/26/19 10:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/26/19 10:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/26/19 10:34	1

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

Lab Sample ID: MB 480-479630/7
Matrix: Water
Analysis Batch: 479630

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			06/26/19 10:34	1
Styrene	ND		1.0	0.73	ug/L			06/26/19 10:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/26/19 10:34	1
Toluene	ND		1.0	0.51	ug/L			06/26/19 10:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/26/19 10:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/26/19 10:34	1
Trichloroethene	ND		1.0	0.46	ug/L			06/26/19 10:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/26/19 10:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/26/19 10:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/26/19 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/26/19 10:34*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/26/19 10:34*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*06/26/19 10:34*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*06/26/19 10:34*	*1*

Lab Sample ID: LCS 480-479630/5
Matrix: Water
Analysis Batch: 479630

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.6		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		102	76 - 120
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	24.5		ug/L		98	61 - 148
1,1-Dichloroethane	25.0	26.2		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	24.3		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	23.9		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.2		ug/L		97	56 - 134
1,2-Dibromoethane (EDB)	25.0	23.6		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	23.7		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 120
2-Hexanone	125	134		ug/L		107	65 - 127
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	125		ug/L		100	56 - 142
Benzene	25.0	26.2		ug/L		105	71 - 124
Bromodichloromethane	25.0	24.1		ug/L		97	80 - 122
Bromoform	25.0	23.3		ug/L		93	61 - 132
Bromomethane	25.0	23.3		ug/L		93	55 - 144
Carbon disulfide	25.0	24.3		ug/L		97	59 - 134
Carbon tetrachloride	25.0	24.2		ug/L		97	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120
Chlorodibromomethane	25.0	23.0		ug/L		92	75 - 125

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

Lab Sample ID: LCS 480-479630/5
Matrix: Water
Analysis Batch: 479630

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	25.0	23.0		ug/L		92	69 - 136
Chloroform	25.0	24.2		ug/L		97	73 - 127
Chloromethane	25.0	22.1		ug/L		88	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124
Cyclohexane	25.0	25.7		ug/L		103	59 - 135
Dichlorodifluoromethane	25.0	23.1		ug/L		92	59 - 135
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
Isopropylbenzene	25.0	24.5		ug/L		98	77 - 122
Methyl acetate	50.0	52.4		ug/L		105	74 - 133
Methyl tert-butyl ether	25.0	25.4		ug/L		102	77 - 120
Methylcyclohexane	25.0	24.8		ug/L		99	68 - 134
Methylene Chloride	25.0	25.2		ug/L		101	75 - 124
Styrene	25.0	22.8		ug/L		91	80 - 120
Tetrachloroethene	25.0	21.7		ug/L		87	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	27.0		ug/L		108	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	25.0	24.9		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	22.7		ug/L		91	62 - 150
Vinyl chloride	25.0	23.6		ug/L		94	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

GC/MS VOA

Analysis Batch: 479240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155298-3	MW10D 062019	Total/NA	Water	8260C	
480-155298-4	TRIP BLANK	Total/NA	Water	8260C	
480-155298-8	MW8DD 062019	Total/NA	Water	8260C	
480-155298-9	MW7S 062019	Total/NA	Water	8260C	
480-155298-10	MW8S 062019	Total/NA	Water	8260C	
480-155298-11	MW7D 062019	Total/NA	Water	8260C	
480-155298-12	MW8D 062019	Total/NA	Water	8260C	
480-155298-13	MW1D 062019	Total/NA	Water	8260C	
480-155298-14	X-1 062019	Total/NA	Water	8260C	
MB 480-479240/7	Method Blank	Total/NA	Water	8260C	
LCS 480-479240/9	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 479383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155298-15	MW7DD 062019	Total/NA	Water	8260C	
MB 480-479383/7	Method Blank	Total/NA	Water	8260C	
LCS 480-479383/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 479407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155298-1	MW10S 062019	Total/NA	Water	8260C	
MB 480-479407/7	Method Blank	Total/NA	Water	8260C	
LCS 480-479407/5	Lab Control Sample	Total/NA	Water	8260C	
480-155298-1 MS	MW10S 062019	Total/NA	Water	8260C	
480-155298-1 MSD	MW10S 062019	Total/NA	Water	8260C	

Analysis Batch: 479579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155298-5	MW6S 061919	Total/NA	Water	8260C	
480-155298-6	MW6D 061919	Total/NA	Water	8260C	
480-155298-7	MW6DD 062019	Total/NA	Water	8260C	
MB 480-479579/7	Method Blank	Total/NA	Water	8260C	
LCS 480-479579/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 479630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155298-2	MW1S 062019	Total/NA	Water	8260C	
MB 480-479630/7	Method Blank	Total/NA	Water	8260C	
LCS 480-479630/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Client Sample ID: MW10S 062019
Lab Sample ID: 480-155298-1
Date Collected: 06/20/19 14:25
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479407	06/25/19 11:26	KMN	TAL BUF

Client Sample ID: MW1S 062019
Lab Sample ID: 480-155298-2
Date Collected: 06/20/19 15:10
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479630	06/26/19 11:10	OMI	TAL BUF

Client Sample ID: MW10D 062019
Lab Sample ID: 480-155298-3
Date Collected: 06/20/19 15:18
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479240	06/24/19 14:59	KMN	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-155298-4
Date Collected: 06/20/19 00:00
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479240	06/24/19 15:26	KMN	TAL BUF

Client Sample ID: MW6S 061919
Lab Sample ID: 480-155298-5
Date Collected: 06/19/19 16:40
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479579	06/26/19 01:11	LCH	TAL BUF

Client Sample ID: MW6D 061919
Lab Sample ID: 480-155298-6
Date Collected: 06/19/19 16:42
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479579	06/26/19 01:35	LCH	TAL BUF

Client Sample ID: MW6DD 062019
Lab Sample ID: 480-155298-7
Date Collected: 06/20/19 09:07
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479579	06/26/19 01:59	LCH	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Client Sample ID: MW8DD 062019
Lab Sample ID: 480-155298-8
Date Collected: 06/20/19 10:26
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479240	06/24/19 17:13	KMN	TAL BUF

Client Sample ID: MW7S 062019
Lab Sample ID: 480-155298-9
Date Collected: 06/20/19 11:12
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479240	06/24/19 17:40	KMN	TAL BUF

Client Sample ID: MW8S 062019
Lab Sample ID: 480-155298-10
Date Collected: 06/20/19 11:20
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479240	06/24/19 18:07	KMN	TAL BUF

Client Sample ID: MW7D 062019
Lab Sample ID: 480-155298-11
Date Collected: 06/20/19 12:10
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479240	06/24/19 18:33	KMN	TAL BUF

Client Sample ID: MW8D 062019
Lab Sample ID: 480-155298-12
Date Collected: 06/20/19 12:15
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479240	06/24/19 19:00	KMN	TAL BUF

Client Sample ID: MW1D 062019
Lab Sample ID: 480-155298-13
Date Collected: 06/20/19 14:25
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479240	06/24/19 19:27	KMN	TAL BUF

Client Sample ID: X-1 062019
Lab Sample ID: 480-155298-14
Date Collected: 06/20/19 00:00
Matrix: Water
Date Received: 06/24/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479240	06/24/19 19:54	KMN	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Client Sample ID: MW7DD 062019

Date Collected: 06/20/19 10:22
Date Received: 06/24/19 17:10

Lab Sample ID: 480-155298-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479383	06/25/19 02:07	KMN	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155298-1
Project/Site: Forest Glen Monitoring

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155298-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-155298-1	MW10S 062019	Water	06/20/19 14:25	06/24/19 17:10	
480-155298-2	MW1S 062019	Water	06/20/19 15:10	06/24/19 17:10	
480-155298-3	MW10D 062019	Water	06/20/19 15:18	06/24/19 17:10	
480-155298-4	TRIP BLANK	Water	06/20/19 00:00	06/24/19 17:10	
480-155298-5	MW6S 061919	Water	06/19/19 16:40	06/24/19 17:10	
480-155298-6	MW6D 061919	Water	06/19/19 16:42	06/24/19 17:10	
480-155298-7	MW6DD 062019	Water	06/20/19 09:07	06/24/19 17:10	
480-155298-8	MW8DD 062019	Water	06/20/19 10:26	06/24/19 17:10	
480-155298-9	MW7S 062019	Water	06/20/19 11:12	06/24/19 17:10	
480-155298-10	MW8S 062019	Water	06/20/19 11:20	06/24/19 17:10	
480-155298-11	MW7D 062019	Water	06/20/19 12:10	06/24/19 17:10	
480-155298-12	MW8D 062019	Water	06/20/19 12:15	06/24/19 17:10	
480-155298-13	MW1D 062019	Water	06/20/19 14:25	06/24/19 17:10	
480-155298-14	X-1 062019	Water	06/20/19 00:00	06/24/19 17:10	
480-155298-15	MW7DD 062019	Water	06/20/19 10:22	06/24/19 17:10	

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155298-1
Project/Site: Forest Glen Monitoring

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	Methyl acetate	Water	Total/NA	ug/L	1.3	2.5

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MARTIN Koenecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-131633-26531.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Monitoring	Project #: 48002808			
Site:	SSOW#:			

Analysis Requested

480-155298 Chain of Custody

Preservation Codes:
A - HCL
L - EDA
M - Hexane
None
AsNaO2
Na2O4S
Na2SO3
Na2S2O3
H2SO4
TSP Dodecahydrate
- Acetone
- MCAA
√ - pH 4-5
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW6S061919	6-19-19	1640	G	Water			3		
MW6D061919	6-19-19	1642	G	Water			3		
MW6DD062019	6-20-19	9:07	G	Water			3		
MW7DD062019	6-20-19	10:22	G	Water			3		
MW8DD062019	6-20-19	10:26	G	Water			3		
MW7S062019	6-20-19	11:12	G	Water			3		
MW8S062019	6-20-19	11:20	G	Water			3		
MW7D062019	6-20-19	12:10	G	Water			3		
MW8D062019	6-20-19	12:15	G	Water			3		
MW1D062019	6-20-19	14:25	G	Water			3		
X-1062019	6-20-19	—	G	Water			3		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koenecke	6-20-19 / 17:10	OBG			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6-20-19 1710	Company

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MARTin Koennecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-131633-26531.2
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Monitoring	Project #: 48002808			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW 10S 062019	6-20-19	14:25	G	Water			3		
MW 10S MSD 062019	6-20-19	14:25	G	Water			3		
MW 10S MS 062019	6-20-19	14:25	G	Water			3		
MW 15 062019	6-20-19	15:10	G	Water			3		
MW 10D 062019	6-20-19	15:18	G	Water			3		
QC Trip Blank				Water			2		
				Water					
				Water					
				Water					
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Martin Koennecke	6-20-19 / 17:10	OBG			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
				6-20-19 1700	TMS

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: #1 3.2

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-155298-1

Login Number: 155298
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-155333-1
Client Project/Site: Forest Glen Monitoring

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
6/28/2019 8:05:14 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155333-1
Project/Site: Forest Glen Monitoring

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-155333-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-155333-1

Receipt
The samples were received on 6/21/2019 1:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-479388 recovered outside acceptance criteria, low biased, for Cyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: MW 4D 062119 (480-155333-1), MW 5D 062119 (480-155333-2), MW 4S 062119 (480-155333-3), MW 5S 062119 (480-155333-4) and QC TRIP BLANK (480-155333-5).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-479388 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: MW 4D 062119 (480-155333-1), MW 5D 062119 (480-155333-2), MW 4S 062119 (480-155333-3), MW 5S 062119 (480-155333-4) and QC TRIP BLANK (480-155333-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155333-1

Client Sample ID: MW 4D 062119 — Lab Sample ID: 480-155333-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.43	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW 5D 062119 — Lab Sample ID: 480-155333-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.47	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.30	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW 4S 062119 — Lab Sample ID: 480-155333-3

No Detections.

Client Sample ID: MW 5S 062119 — Lab Sample ID: 480-155333-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.2		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	11		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.1		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	5.2		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-155333-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155333-1

Client Sample ID: MW 4D 062119
Date Collected: 06/21/19 09:32
Date Received: 06/21/19 13:15

Lab Sample ID: 480-155333-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/25/19 14:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/25/19 14:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/25/19 14:21	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/25/19 14:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/25/19 14:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/25/19 14:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/25/19 14:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/25/19 14:21	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/25/19 14:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/25/19 14:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/25/19 14:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/25/19 14:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/25/19 14:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/25/19 14:21	1
2-Hexanone	ND		5.0	1.2	ug/L			06/25/19 14:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/25/19 14:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/25/19 14:21	1
Acetone	ND		10	3.0	ug/L			06/25/19 14:21	1
Benzene	ND		1.0	0.41	ug/L			06/25/19 14:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/25/19 14:21	1
Bromoform	ND		1.0	0.26	ug/L			06/25/19 14:21	1
Bromomethane	ND		1.0	0.69	ug/L			06/25/19 14:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/25/19 14:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/25/19 14:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/25/19 14:21	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/25/19 14:21	1
Chloroethane	ND		1.0	0.32	ug/L			06/25/19 14:21	1
Chloroform	ND		1.0	0.34	ug/L			06/25/19 14:21	1
Chloromethane	ND		1.0	0.35	ug/L			06/25/19 14:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/25/19 14:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/25/19 14:21	1
Cyclohexane	ND		1.0	0.18	ug/L			06/25/19 14:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/25/19 14:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/25/19 14:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/25/19 14:21	1
Methyl acetate	ND		1.3	1.3	ug/L			06/25/19 14:21	1
Methyl tert-butyl ether	**0.43**	**J**	1.0	0.16	ug/L			06/25/19 14:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/25/19 14:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/25/19 14:21	1
Styrene	ND		1.0	0.73	ug/L			06/25/19 14:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/25/19 14:21	1
Toluene	ND		1.0	0.51	ug/L			06/25/19 14:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/25/19 14:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/25/19 14:21	1
Trichloroethene	ND		1.0	0.46	ug/L			06/25/19 14:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/25/19 14:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/25/19 14:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/25/19 14:21	1

Client Sample ID: MW 4D 062119

Lab Sample ID: 480-155333-1

Date Collected: 06/21/19 09:32

Matrix: Water

Date Received: 06/21/19 13:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*06/25/19 14:21*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/25/19 14:21*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/25/19 14:21*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/25/19 14:21*	*1*

Client Sample ID: MW 5D 062119

Lab Sample ID: 480-155333-2

Date Collected: 06/21/19 09:35

Matrix: Water

Date Received: 06/21/19 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/25/19 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/25/19 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/25/19 14:45	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/25/19 14:45	1
1,1-Dichloroethane	**0.47**	**J**	1.0	0.38	ug/L			06/25/19 14:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/25/19 14:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/25/19 14:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/25/19 14:45	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/25/19 14:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/25/19 14:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/25/19 14:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/25/19 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/25/19 14:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/25/19 14:45	1
2-Hexanone	ND		5.0	1.2	ug/L			06/25/19 14:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/25/19 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/25/19 14:45	1
Acetone	ND		10	3.0	ug/L			06/25/19 14:45	1
Benzene	ND		1.0	0.41	ug/L			06/25/19 14:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/25/19 14:45	1
Bromoform	ND		1.0	0.26	ug/L			06/25/19 14:45	1
Bromomethane	ND		1.0	0.69	ug/L			06/25/19 14:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/25/19 14:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/25/19 14:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/25/19 14:45	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/25/19 14:45	1
Chloroethane	ND		1.0	0.32	ug/L			06/25/19 14:45	1
Chloroform	ND		1.0	0.34	ug/L			06/25/19 14:45	1
Chloromethane	ND		1.0	0.35	ug/L			06/25/19 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/25/19 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/25/19 14:45	1
Cyclohexane	ND		1.0	0.18	ug/L			06/25/19 14:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/25/19 14:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/25/19 14:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/25/19 14:45	1
Methyl acetate	ND		1.3	1.3	ug/L			06/25/19 14:45	1
Methyl tert-butyl ether	**0.30**	**J**	1.0	0.16	ug/L			06/25/19 14:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/25/19 14:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/25/19 14:45	1

Client Sample ID: MW 5D 062119

Lab Sample ID: 480-155333-2

Date Collected: 06/21/19 09:35

Matrix: Water

Date Received: 06/21/19 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/25/19 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/25/19 14:45	1
Toluene	ND		1.0	0.51	ug/L			06/25/19 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/25/19 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/25/19 14:45	1
Trichloroethene	ND		1.0	0.46	ug/L			06/25/19 14:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/25/19 14:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/25/19 14:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/25/19 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*06/25/19 14:45*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/25/19 14:45*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/25/19 14:45*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/25/19 14:45*	*1*

Client Sample ID: MW 4S 062119

Lab Sample ID: 480-155333-3

Date Collected: 06/21/19 10:25

Matrix: Water

Date Received: 06/21/19 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/25/19 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/25/19 15:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/25/19 15:09	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/25/19 15:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/25/19 15:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/25/19 15:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/25/19 15:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/25/19 15:09	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/25/19 15:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/25/19 15:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/25/19 15:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/25/19 15:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/25/19 15:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/25/19 15:09	1
2-Hexanone	ND		5.0	1.2	ug/L			06/25/19 15:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/25/19 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/25/19 15:09	1
Acetone	ND		10	3.0	ug/L			06/25/19 15:09	1
Benzene	ND		1.0	0.41	ug/L			06/25/19 15:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/25/19 15:09	1
Bromoform	ND		1.0	0.26	ug/L			06/25/19 15:09	1
Bromomethane	ND		1.0	0.69	ug/L			06/25/19 15:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/25/19 15:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/25/19 15:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/25/19 15:09	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/25/19 15:09	1
Chloroethane	ND		1.0	0.32	ug/L			06/25/19 15:09	1
Chloroform	ND		1.0	0.34	ug/L			06/25/19 15:09	1

Client Sample ID: MW 4S 062119

Lab Sample ID: 480-155333-3

Date Collected: 06/21/19 10:25

Matrix: Water

Date Received: 06/21/19 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			06/25/19 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/25/19 15:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/25/19 15:09	1
Cyclohexane	ND		1.0	0.18	ug/L			06/25/19 15:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/25/19 15:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/25/19 15:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/25/19 15:09	1
Methyl acetate	ND		1.3	1.3	ug/L			06/25/19 15:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/25/19 15:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/25/19 15:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/25/19 15:09	1
Styrene	ND		1.0	0.73	ug/L			06/25/19 15:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/25/19 15:09	1
Toluene	ND		1.0	0.51	ug/L			06/25/19 15:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/25/19 15:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/25/19 15:09	1
Trichloroethene	ND		1.0	0.46	ug/L			06/25/19 15:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/25/19 15:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/25/19 15:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/25/19 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*06/25/19 15:09*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/25/19 15:09*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/25/19 15:09*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/25/19 15:09*	*1*

Client Sample ID: MW 5S 062119

Lab Sample ID: 480-155333-4

Date Collected: 06/21/19 10:25

Matrix: Water

Date Received: 06/21/19 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.2**		1.0	0.82	ug/L			06/25/19 15:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/25/19 15:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/25/19 15:33	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/25/19 15:33	1
1,1-Dichloroethane	**11**		1.0	0.38	ug/L			06/25/19 15:33	1
1,1-Dichloroethene	**1.1**		1.0	0.29	ug/L			06/25/19 15:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/25/19 15:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/25/19 15:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/25/19 15:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/25/19 15:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/25/19 15:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/25/19 15:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/25/19 15:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/25/19 15:33	1
2-Hexanone	ND		5.0	1.2	ug/L			06/25/19 15:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/25/19 15:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/25/19 15:33	1

Client Sample ID: MW 5S 062119

Lab Sample ID: 480-155333-4

Date Collected: 06/21/19 10:25

Matrix: Water

Date Received: 06/21/19 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			06/25/19 15:33	1
Benzene	ND		1.0	0.41	ug/L			06/25/19 15:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/25/19 15:33	1
Bromoform	ND		1.0	0.26	ug/L			06/25/19 15:33	1
Bromomethane	ND		1.0	0.69	ug/L			06/25/19 15:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/25/19 15:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/25/19 15:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/25/19 15:33	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/25/19 15:33	1
Chloroethane	ND		1.0	0.32	ug/L			06/25/19 15:33	1
Chloroform	ND		1.0	0.34	ug/L			06/25/19 15:33	1
Chloromethane	ND		1.0	0.35	ug/L			06/25/19 15:33	1
cis-1,2-Dichloroethene	**15**		1.0	0.81	ug/L			06/25/19 15:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/25/19 15:33	1
Cyclohexane	ND		1.0	0.18	ug/L			06/25/19 15:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/25/19 15:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/25/19 15:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/25/19 15:33	1
Methyl acetate	ND		1.3	1.3	ug/L			06/25/19 15:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/25/19 15:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/25/19 15:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/25/19 15:33	1
Styrene	ND		1.0	0.73	ug/L			06/25/19 15:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/25/19 15:33	1
Toluene	ND		1.0	0.51	ug/L			06/25/19 15:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/25/19 15:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/25/19 15:33	1
Trichloroethene	**5.2**		1.0	0.46	ug/L			06/25/19 15:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/25/19 15:33	1
Vinyl chloride	**1.5**		1.0	0.90	ug/L			06/25/19 15:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/25/19 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*06/25/19 15:33*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/25/19 15:33*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*06/25/19 15:33*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*06/25/19 15:33*	*1*

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-155333-5

Date Collected: 06/21/19 00:00

Matrix: Water

Date Received: 06/21/19 13:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/25/19 15:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/25/19 15:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/25/19 15:57	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/25/19 15:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/25/19 15:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/25/19 15:57	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155333-1

Client Sample ID: QC TRIP BLANK
Date Collected: 06/21/19 00:00
Date Received: 06/21/19 13:15

Lab Sample ID: 480-155333-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/25/19 15:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/25/19 15:57	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/25/19 15:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/25/19 15:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/25/19 15:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/25/19 15:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/25/19 15:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/25/19 15:57	1
2-Hexanone	ND		5.0	1.2	ug/L			06/25/19 15:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/25/19 15:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/25/19 15:57	1
Acetone	ND		10	3.0	ug/L			06/25/19 15:57	1
Benzene	ND		1.0	0.41	ug/L			06/25/19 15:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/25/19 15:57	1
Bromoform	ND		1.0	0.26	ug/L			06/25/19 15:57	1
Bromomethane	ND		1.0	0.69	ug/L			06/25/19 15:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/25/19 15:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/25/19 15:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/25/19 15:57	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/25/19 15:57	1
Chloroethane	ND		1.0	0.32	ug/L			06/25/19 15:57	1
Chloroform	ND		1.0	0.34	ug/L			06/25/19 15:57	1
Chloromethane	ND		1.0	0.35	ug/L			06/25/19 15:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/25/19 15:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/25/19 15:57	1
Cyclohexane	ND		1.0	0.18	ug/L			06/25/19 15:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/25/19 15:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/25/19 15:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/25/19 15:57	1
Methyl acetate	ND		1.3	1.3	ug/L			06/25/19 15:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/25/19 15:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/25/19 15:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/25/19 15:57	1
Styrene	ND		1.0	0.73	ug/L			06/25/19 15:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/25/19 15:57	1
Toluene	ND		1.0	0.51	ug/L			06/25/19 15:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/25/19 15:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/25/19 15:57	1
Trichloroethene	ND		1.0	0.46	ug/L			06/25/19 15:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/25/19 15:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/25/19 15:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/25/19 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/25/19 15:57*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*06/25/19 15:57*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*06/25/19 15:57*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*06/25/19 15:57*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155333-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-155333-1	MW 4D 062119	98	96	105	101
480-155333-2	MW 5D 062119	95	98	101	99
480-155333-3	MW 4S 062119	100	91	105	104
480-155333-4	MW 5S 062119	106	96	107	111
480-155333-5	QC TRIP BLANK	101	91	103	102
LCS 480-479388/5	Lab Control Sample	97	96	100	102
MB 480-479388/7	Method Blank	90	96	101	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 480-479388/7
Matrix: Water
Analysis Batch: 479388

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/25/19 10:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/25/19 10:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/25/19 10:29	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/25/19 10:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/25/19 10:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/25/19 10:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/25/19 10:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/25/19 10:29	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/25/19 10:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/25/19 10:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/25/19 10:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/25/19 10:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/25/19 10:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/25/19 10:29	1
2-Hexanone	ND		5.0	1.2	ug/L			06/25/19 10:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/25/19 10:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/25/19 10:29	1
Acetone	ND		10	3.0	ug/L			06/25/19 10:29	1
Benzene	ND		1.0	0.41	ug/L			06/25/19 10:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/25/19 10:29	1
Bromoform	ND		1.0	0.26	ug/L			06/25/19 10:29	1
Bromomethane	ND		1.0	0.69	ug/L			06/25/19 10:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/25/19 10:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/25/19 10:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/25/19 10:29	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/25/19 10:29	1
Chloroethane	ND		1.0	0.32	ug/L			06/25/19 10:29	1
Chloroform	ND		1.0	0.34	ug/L			06/25/19 10:29	1
Chloromethane	ND		1.0	0.35	ug/L			06/25/19 10:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/25/19 10:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/25/19 10:29	1
Cyclohexane	ND		1.0	0.18	ug/L			06/25/19 10:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/25/19 10:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/25/19 10:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/25/19 10:29	1
Methyl acetate	ND		1.3	1.3	ug/L			06/25/19 10:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/25/19 10:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/25/19 10:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/25/19 10:29	1
Styrene	ND		1.0	0.73	ug/L			06/25/19 10:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/25/19 10:29	1
Toluene	ND		1.0	0.51	ug/L			06/25/19 10:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/25/19 10:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/25/19 10:29	1
Trichloroethene	ND		1.0	0.46	ug/L			06/25/19 10:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/25/19 10:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/25/19 10:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/25/19 10:29	1

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

Lab Sample ID: MB 480-479388/7
Matrix: Water
Analysis Batch: 479388

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*06/25/19 10:29*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/25/19 10:29*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/25/19 10:29*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*06/25/19 10:29*	*1*

Lab Sample ID: LCS 480-479388/5
Matrix: Water
Analysis Batch: 479388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.9		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	76 - 120
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	23.2		ug/L		93	61 - 148
1,1-Dichloroethane	25.0	23.1		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	22.6		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	24.6		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.1		ug/L		97	56 - 134
1,2-Dibromoethane (EDB)	25.0	23.5		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	25.1		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	22.5		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	23.1		ug/L		92	76 - 120
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Hexanone	125	113		ug/L		90	65 - 127
2-Butanone (MEK)	125	105		ug/L		84	57 - 140
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	71 - 125
Acetone	125	105		ug/L		84	56 - 142
Benzene	25.0	24.0		ug/L		96	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122
Bromoform	25.0	26.5		ug/L		106	61 - 132
Bromomethane	25.0	23.5		ug/L		94	55 - 144
Carbon disulfide	25.0	24.4		ug/L		98	59 - 134
Carbon tetrachloride	25.0	26.0		ug/L		104	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Chlorodibromomethane	25.0	26.3		ug/L		105	75 - 125
Chloroethane	25.0	25.5		ug/L		102	69 - 136
Chloroform	25.0	20.7		ug/L		83	73 - 127
Chloromethane	25.0	20.2		ug/L		81	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Cyclohexane	25.0	20.6		ug/L		83	59 - 135
Dichlorodifluoromethane	25.0	20.9		ug/L		83	59 - 135
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
Isopropylbenzene	25.0	23.4		ug/L		94	77 - 122
Methyl acetate	50.0	41.9		ug/L		84	74 - 133
Methyl tert-butyl ether	25.0	24.3		ug/L		97	77 - 120
Methylcyclohexane	25.0	23.9		ug/L		96	68 - 134

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

Lab Sample ID: LCS 480-479388/5
Matrix: Water
Analysis Batch: 479388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	21.7		ug/L		87	75 - 124
Styrene	25.0	24.2		ug/L		97	80 - 120
Tetrachloroethene	25.0	25.5		ug/L		102	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	80 - 120
Trichloroethene	25.0	23.1		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	22.7		ug/L		91	62 - 150
Vinyl chloride	25.0	24.7		ug/L		99	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155333-1

GC/MS VOA

Analysis Batch: 479388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155333-1	MW 4D 062119	Total/NA	Water	8260C	
480-155333-2	MW 5D 062119	Total/NA	Water	8260C	
480-155333-3	MW 4S 062119	Total/NA	Water	8260C	
480-155333-4	MW 5S 062119	Total/NA	Water	8260C	
480-155333-5	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-479388/7	Method Blank	Total/NA	Water	8260C	
LCS 480-479388/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155333-1

Client Sample ID: MW 4D 062119

Lab Sample ID: 480-155333-1

Date Collected: 06/21/19 09:32
Matrix: Water
Date Received: 06/21/19 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479388	06/25/19 14:21	AEM	TAL BUF

Client Sample ID: MW 5D 062119

Lab Sample ID: 480-155333-2

Date Collected: 06/21/19 09:35
Matrix: Water
Date Received: 06/21/19 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479388	06/25/19 14:45	AEM	TAL BUF

Client Sample ID: MW 4S 062119

Lab Sample ID: 480-155333-3

Date Collected: 06/21/19 10:25
Matrix: Water
Date Received: 06/21/19 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479388	06/25/19 15:09	AEM	TAL BUF

Client Sample ID: MW 5S 062119

Lab Sample ID: 480-155333-4

Date Collected: 06/21/19 10:25
Matrix: Water
Date Received: 06/21/19 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479388	06/25/19 15:33	AEM	TAL BUF

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-155333-5

Date Collected: 06/21/19 00:00
Matrix: Water
Date Received: 06/21/19 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	479388	06/25/19 15:57	AEM	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155333-1
Project/Site: Forest Glen Monitoring

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-155333-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155333-1
Project/Site: Forest Glen Monitoring

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-155333-1	MW 4D 062119	Water	06/21/19 09:32	06/21/19 13:15	
480-155333-2	MW 5D 062119	Water	06/21/19 09:35	06/21/19 13:15	
480-155333-3	MW 4S 062119	Water	06/21/19 10:25	06/21/19 13:15	
480-155333-4	MW 5S 062119	Water	06/21/19 10:25	06/21/19 13:15	
480-155333-5	QC TRIP BLANK	Water	06/21/19 00:00	06/21/19 13:15	

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-155333-1
Project/Site: Forest Glen Monitoring

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	Methyl acetate	Water	Total/NA	ug/L	1.3	2.5

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Martin Koennecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-131633-26531.3
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis Requested
City: East Syracuse	TAT Requested (days):	
State, Zip: NY, 13221		
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246	
Email: Yuri.Veliz@obg.com	WO #:	
Project Name: Forest Glen Monitoring	Project #: 48002808	
Site:	SSOW#:	

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
M - Hexane
N - None
O - AsNaO2
Na2O4S
Na2SO3
Na2S2O3
2SO4
SP Dodecahydrate
cetone
ICAA
H 4-5
ther (specify)

480-155333 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of c	Other:	Special Instructions/Note:
			Preservation Code:				A			
MW 4D 062119	6-21-19	9:32	G	Water			3			
MW 5D 062119	6-21-19	9:35	G	Water			3			
MW 4S 062119	6-21-19	10:25	G	Water			3			
MW 5S 062119	6-21-19	10:25	G	Water			3			
QC Trip Blanks				W			2			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koennecke	6-21-19 / 13:15	OBG	[illegible]	6/21/19 13:15	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.5 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-155333-1

Login Number: 155333

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-159721-1
Client Project/Site: Forest Glen Monitoring

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, New York 13221

Attn: Mr. David J Carnevale

Authorized for release by:
10/9/2019 7:27:05 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Client: O'Brien & Gere Inc of North America
Job ID: 480-159721-1
Project/Site: Forest Glen Monitoring

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-159721-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-159721-1

Receipt
The samples were received on 9/25/2019 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.7º C, 2.9º C and 3.0º C.

GC/MS VOA
Method(s) 8260C: Surrogate recovery for the method blank (MB 480-495137/7) associated with analytical batch 480-495137 was outside the upper control limit. Due to holding time limitations the samples were not reanalyzed. The following samples were impacted: MW-7DD(2)-092419 (480-159721-1), MW-8DD-092419 (480-159721-6), MW-1D-092419 (480-159721-7), MW-5D-092519 (480-159721-11), MW-10D-092519 (480-159721-12), MW-4D-092519 (480-159721-14) and (MB 480-495137/7).

Method(s) 8260C: Surrogate recovery for the following samples was outside the upper control limit: MW-8DD-092419 (480-159721-6), MW-1D-092419 (480-159721-7), MW-5D-092519 (480-159721-11), MW-10D-092519 (480-159721-12) and MW-4D-092519 (480-159721-14). These samples did not contain any target analytes above the reporting limit (RL); therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-495137 recovered outside acceptance criteria, low biased, for 2-Hexanone, 4-Methyl-2-pentanone (MIBK) and 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted:MW-7DD(2)-092419 (480-159721-1), MW-8DD-092419 (480-159721-6), MW-1D-092419 (480-159721-7), MW-5D-092519 (480-159721-11), MW-10D-092519 (480-159721-12) and MW-4D-092519 (480-159721-14).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-495467 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW-4S-092519 (480-159721-15).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-495354 recovered above the upper control limit for 2-Butanone (MEK) and Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-8D-092419 (480-159721-2), MW-7S-092419 (480-159721-3), MW-8S-092419 (480-159721-4), MW-7D-092419 (480-159721-5), MW-6D-092419 (480-159721-8), MW-1S-092419 (480-159721-9), MW-6DD-092419 (480-159721-10) and MW-10S-092519 (480-159721-13).

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-1S-092419 (480-159721-9). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC
Method(s) 300.0: The following samples were reported with elevated reporting limits for all analytes: MW-8S-092419 (480-159721-4) and MW-7D-092419 (480-159721-5). The sample was analyzed at a dilution based on screening results.

Method(s) 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-7DD(2)-092419 (480-159721-1), MW-8D-092419 (480-159721-2), MW-7S-092419 (480-159721-3), MW-8DD-092419 (480-159721-6) and MW-1D-092419 (480-159721-7). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-6D-092419 (480-159721-8), MW-1S-092419 (480-159721-9), MW-6DD-092419 (480-159721-10), MW-5D-092519 (480-159721-11), MW-10D-092519 (480-159721-12), MW-10S-092519 (480-159721-13), MW-4D-092519 (480-159721-14), MW-4S-092519 (480-159721-15) and MW-5S-092519 (480-159721-16). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-6S-092519 (480-159721-17). Elevated reporting limits (RLs) are provided.

Job ID: 480-159721-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Client Sample ID: MW-7DD(2)-092419 — Lab Sample ID: 480-159721-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.59	J	1.0	0.51	ug/L	1		8260C	Total/NA
Trichloroethene	0.61	J	1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	29.3		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	413		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	228		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.070		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.050	B	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	8.9		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-8D-092419 — Lab Sample ID: 480-159721-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.75	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.27	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	304		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	218		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	306		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.045	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.6		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-7S-092419 — Lab Sample ID: 480-159721-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.57	J	1.0	0.51	ug/L	1		8260C	Total/NA
Trichloroethene	0.87	J	1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	55.1		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	81.5		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	246		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.69		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.046	J B	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	4.0		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-8S-092419 — Lab Sample ID: 480-159721-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L	1		8260C	Total/NA
Toluene	0.75	J	1.0	0.51	ug/L	1		8260C	Total/NA
Trichloroethene	1.7		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	6.4		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	55.1		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	232		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.031	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	2.7		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-7D-092419 — Lab Sample ID: 480-159721-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.0		1.0	0.51	ug/L	1		8260C	Total/NA
Trichloroethene	0.72	J	1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	43.4		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	65.3		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	227		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.50		0.050	0.020	mg/L	1		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample ID: MW-7D-092419 (Continued)

Lab Sample ID: 480-159721-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrite as N	0.038	J B	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.9		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-8DD-092419

Lab Sample ID: 480-159721-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.18	J	1.0	0.16	ug/L	1		8260C	Total/NA
Toluene	0.94	J	1.0	0.51	ug/L	1		8260C	Total/NA
Chloride	215		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	236		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	262		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.031	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.5		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-1D-092419

Lab Sample ID: 480-159721-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.47	J	1.0	0.35	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.64	J	1.0	0.16	ug/L	1		8260C	Total/NA
Toluene	0.79	J	1.0	0.51	ug/L	1		8260C	Total/NA
Chloride	426		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	203		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	341		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.020	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.6		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-6D-092419

Lab Sample ID: 480-159721-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.95	J	1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	0.90	J	1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	182		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	196		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	296		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.028	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	4.2		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-1S-092419

Lab Sample ID: 480-159721-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	895		10.0	5.6	mg/L	20		300.0	Total/NA
Sulfate	174		40.0	7.0	mg/L	20		300.0	Total/NA
Alkalinity, Bicarbonate	344		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.022	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	4.5		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-6DD-092419

Lab Sample ID: 480-159721-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	25		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.24	J	1.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	5.5		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	273		5.0	2.8	mg/L	10		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-6DD-092419 (Continued) — Lab Sample ID: 480-159721-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	212		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	292		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.025	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.7		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-5D-092519 — Lab Sample ID: 480-159721-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.56	J	1.0	0.38	ug/L	1		8260C	Total/NA
Chloromethane	0.69	J	1.0	0.35	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.92	J	1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.49	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	187		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	184		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	329		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.027	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.9		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-10D-092519 — Lab Sample ID: 480-159721-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.38	J	1.0	0.35	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.41	J	1.0	0.16	ug/L	1		8260C	Total/NA
Toluene	0.56	J	1.0	0.51	ug/L	1		8260C	Total/NA
Chloride	391		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	210		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	291		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrite as N	0.037	J B	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.4		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-10S-092519 — Lab Sample ID: 480-159721-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	20		1.0	0.81	ug/L	1		8260C	Total/NA
Toluene	0.59	J	1.0	0.51	ug/L	1		8260C	Total/NA
Vinyl chloride	3.5		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	142		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	308		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	366		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.022	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.9		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-4D-092519 — Lab Sample ID: 480-159721-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.58	J	1.0	0.35	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.59	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	267		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	263		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	330		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.022	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	5.3		1.0	0.43	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Client Sample ID: MW-4S-092519 — Lab Sample ID: 480-159721-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.59	J	1.0	0.19	ug/L	1		8260C	Total/NA
Chloride	80.0		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	875		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	494		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.089		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.051	B	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.9		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-5S-092519 — Lab Sample ID: 480-159721-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	7.3		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	16		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.30	J	1.0	0.29	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	1.9	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	7.2	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	7.4		1.0	0.81	ug/L	1		8260C	Total/NA
Toluene	2.4		1.0	0.51	ug/L	1		8260C	Total/NA
Trichloroethene	1.3		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.7		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	13.8		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	183		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	339		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.028	J	0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	1.2		1.0	0.67	mg/L	1		SM 4500 S2 F	Total/NA
Dissolved Organic Carbon - Duplicate	6.3		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW-6S-092519 — Lab Sample ID: 480-159721-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.5		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	7.9		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	39.4		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	204		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	378		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.023	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	4.4		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: X-1 — Lab Sample ID: 480-159721-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.39	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.37	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	187		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	185		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	344		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	3.7		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: QC-TRIP BLANK — Lab Sample ID: 480-159721-19

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Client Sample ID: MW-7DD(2)-092419
Date Collected: 09/24/19 09:05
Date Received: 09/25/19 16:30

Lab Sample ID: 480-159721-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 14:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 14:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 14:00	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/01/19 14:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 14:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 14:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 14:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 14:00	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/01/19 14:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 14:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 14:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 14:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 14:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 14:00	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 14:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 14:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 14:00	1
Acetone	ND		10	3.0	ug/L			10/01/19 14:00	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 14:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 14:00	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 14:00	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 14:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 14:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 14:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 14:00	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 14:00	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 14:00	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 14:00	1
Chloromethane	ND		1.0	0.35	ug/L			10/01/19 14:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 14:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 14:00	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 14:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 14:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 14:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 14:00	1
Methyl acetate	ND		1.3	1.3	ug/L			10/01/19 14:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/01/19 14:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 14:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 14:00	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 14:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 14:00	1
Toluene	**0.59**	**J**	1.0	0.51	ug/L			10/01/19 14:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 14:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 14:00	1
Trichloroethene	**0.61**	**J**	1.0	0.46	ug/L			10/01/19 14:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 14:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 14:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 14:00	1

Client Sample ID: MW-7DD(2)-092419

Lab Sample ID: 480-159721-1

Date Collected: 09/24/19 09:05

Matrix: Water

Date Received: 09/25/19 16:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*10/01/19 14:00*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*10/01/19 14:00*	*1*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*10/01/19 14:00*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 123*		*10/01/19 14:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.3**		5.0	2.8	mg/L			10/03/19 15:43	10
Sulfate	**413**		20.0	3.5	mg/L			10/03/19 15:43	10
Alkalinity, Bicarbonate	**228**		50.0	20.0	mg/L			10/04/19 00:00	5
Nitrate as N	**0.070**		0.050	0.020	mg/L			09/25/19 21:31	1
Nitrite as N	**0.050**	**B**	0.050	0.020	mg/L			09/25/19 22:44	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**8.9**		1.0	0.43	mg/L			09/28/19 11:14	1

Client Sample ID: MW-8D-092419

Lab Sample ID: 480-159721-2

Date Collected: 09/24/19 09:45

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 11:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 11:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 11:18	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 11:18	1
1,1-Dichloroethane	**0.75**	**J**	1.0	0.38	ug/L			10/02/19 11:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 11:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 11:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 11:18	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 11:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 11:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 11:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 11:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 11:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 11:18	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 11:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 11:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 11:18	1
Acetone	ND		10	3.0	ug/L			10/02/19 11:18	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 11:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 11:18	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 11:18	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 11:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 11:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 11:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 11:18	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 11:18	1

Client Sample ID: MW-8D-092419

Lab Sample ID: 480-159721-2

Date Collected: 09/24/19 09:45

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 11:18	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 11:18	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 11:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/02/19 11:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 11:18	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 11:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 11:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 11:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 11:18	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 11:18	1
Methyl tert-butyl ether	**0.27**	**J**	1.0	0.16	ug/L			10/02/19 11:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 11:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 11:18	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 11:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 11:18	1
Toluene	ND		1.0	0.51	ug/L			10/02/19 11:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 11:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 11:18	1
Trichloroethene	ND		1.0	0.46	ug/L			10/02/19 11:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 11:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/02/19 11:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/02/19 11:18*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*10/02/19 11:18*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*10/02/19 11:18*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*10/02/19 11:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**304**		5.0	2.8	mg/L			10/03/19 15:51	10
Sulfate	**218**		20.0	3.5	mg/L			10/03/19 15:51	10
Alkalinity, Bicarbonate	**306**		50.0	20.0	mg/L			10/04/19 00:00	5
Nitrate as N	**0.045**	**J**	0.050	0.020	mg/L			09/25/19 21:32	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 21:32	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.6**		1.0	0.43	mg/L			09/28/19 11:30	1

Client Sample ID: MW-7S-092419

Lab Sample ID: 480-159721-3

Date Collected: 09/24/19 10:46

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 11:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 11:41	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Client Sample ID: MW-7S-092419
Date Collected: 09/24/19 10:46
Date Received: 09/25/19 16:30

Lab Sample ID: 480-159721-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 11:41	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 11:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/02/19 11:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 11:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 11:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 11:41	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 11:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 11:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 11:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 11:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 11:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 11:41	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 11:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 11:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 11:41	1
Acetone	ND		10	3.0	ug/L			10/02/19 11:41	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 11:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 11:41	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 11:41	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 11:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 11:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 11:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 11:41	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 11:41	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 11:41	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 11:41	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 11:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/02/19 11:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 11:41	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 11:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 11:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 11:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 11:41	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 11:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/02/19 11:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 11:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 11:41	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 11:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 11:41	1
Toluene	**0.57**	**J**	1.0	0.51	ug/L			10/02/19 11:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 11:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 11:41	1
Trichloroethene	**0.87**	**J**	1.0	0.46	ug/L			10/02/19 11:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 11:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/02/19 11:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/02/19 11:41*	*1*
Toluene-d8 (Surr)	*115*		*80 - 120*		*10/02/19 11:41*	*1*

Client Sample ID: MW-7S-092419

Lab Sample ID: 480-159721-3

Date Collected: 09/24/19 10:46

Matrix: Water

Date Received: 09/25/19 16:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*10/02/19 11:41*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*10/02/19 11:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.1**		2.5	1.4	mg/L			10/03/19 15:59	5
Sulfate	**81.5**		10.0	1.7	mg/L			10/03/19 15:59	5
Alkalinity, Bicarbonate	**246**		50.0	20.0	mg/L			10/04/19 00:00	5
Nitrate as N	**0.69**		0.050	0.020	mg/L			09/25/19 21:34	1
Nitrite as N	**0.046**	**J B**	0.050	0.020	mg/L			09/25/19 22:45	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**4.0**		1.0	0.43	mg/L			09/28/19 11:45	1

Client Sample ID: MW-8S-092419

Lab Sample ID: 480-159721-4

Date Collected: 09/24/19 11:40

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 12:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 12:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 12:04	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 12:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/02/19 12:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 12:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 12:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 12:04	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 12:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 12:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 12:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 12:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 12:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 12:04	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 12:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 12:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 12:04	1
Acetone	ND		10	3.0	ug/L			10/02/19 12:04	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 12:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 12:04	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 12:04	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 12:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 12:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 12:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 12:04	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 12:04	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 12:04	1

Client Sample ID: MW-8S-092419

Lab Sample ID: 480-159721-4

Date Collected: 09/24/19 11:40

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			10/02/19 12:04	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 12:04	1
cis-1,2-Dichloroethene	**2.2**		1.0	0.81	ug/L			10/02/19 12:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 12:04	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 12:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 12:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 12:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 12:04	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 12:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/02/19 12:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 12:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 12:04	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 12:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 12:04	1
Toluene	**0.75**	**J**	1.0	0.51	ug/L			10/02/19 12:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 12:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 12:04	1
Trichloroethene	**1.7**		1.0	0.46	ug/L			10/02/19 12:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 12:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/02/19 12:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/02/19 12:04*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*10/02/19 12:04*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*10/02/19 12:04*	*1*
Dibromofluoromethane (Surr)	*117*		*75 - 123*		*10/02/19 12:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.4**		1.0	0.56	mg/L			10/03/19 16:07	2
Sulfate	**55.1**		4.0	0.70	mg/L			10/03/19 16:07	2
Alkalinity, Bicarbonate	**232**		50.0	20.0	mg/L			10/04/19 00:01	5
Nitrate as N	**0.031**	**J**	0.050	0.020	mg/L			09/25/19 21:35	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 21:35	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.7**		1.0	0.43	mg/L			09/28/19 13:48	1

Client Sample ID: MW-7D-092419

Lab Sample ID: 480-159721-5

Date Collected: 09/24/19 11:55

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 12:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 12:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 12:27	1

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Client Sample ID: MW-7D-092419
Date Collected: 09/24/19 11:55
Date Received: 09/25/19 16:30

Lab Sample ID: 480-159721-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 12:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/02/19 12:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 12:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 12:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 12:27	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 12:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 12:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 12:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 12:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 12:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 12:27	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 12:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 12:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 12:27	1
Acetone	ND		10	3.0	ug/L			10/02/19 12:27	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 12:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 12:27	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 12:27	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 12:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 12:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 12:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 12:27	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 12:27	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 12:27	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 12:27	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 12:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/02/19 12:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 12:27	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 12:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 12:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 12:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 12:27	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 12:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/02/19 12:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 12:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 12:27	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 12:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 12:27	1
Toluene	**1.0**		1.0	0.51	ug/L			10/02/19 12:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 12:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 12:27	1
Trichloroethene	**0.72**	**J**	1.0	0.46	ug/L			10/02/19 12:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 12:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/02/19 12:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*10/02/19 12:27*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*10/02/19 12:27*	*1*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*10/02/19 12:27*	*1*

Client Sample ID: MW-7D-092419

Lab Sample ID: 480-159721-5

Date Collected: 09/24/19 11:55

Matrix: Water

Date Received: 09/25/19 16:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*117*		*75 - 123*		*10/02/19 12:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.4**		1.0	0.56	mg/L			10/03/19 16:15	2
Sulfate	**65.3**		4.0	0.70	mg/L			10/03/19 16:15	2
Alkalinity, Bicarbonate	**227**		50.0	20.0	mg/L			10/04/19 00:01	5
Nitrate as N	**0.50**		0.050	0.020	mg/L			09/25/19 21:41	1
Nitrite as N	**0.038**	**J B**	0.050	0.020	mg/L			09/25/19 22:46	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.9**		1.0	0.43	mg/L			09/28/19 14:03	1

Client Sample ID: MW-8DD-092419

Lab Sample ID: 480-159721-6

Date Collected: 09/24/19 13:05

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 16:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 16:01	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/01/19 16:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 16:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 16:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 16:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 16:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/01/19 16:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 16:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 16:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 16:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 16:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 16:01	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 16:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 16:01	1
Acetone	ND		10	3.0	ug/L			10/01/19 16:01	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 16:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 16:01	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 16:01	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 16:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 16:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 16:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 16:01	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 16:01	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 16:01	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 16:01	1

Client Sample ID: MW-8DD-092419

Lab Sample ID: 480-159721-6

Date Collected: 09/24/19 13:05

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/01/19 16:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 16:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 16:01	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 16:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 16:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 16:01	1
Methyl acetate	ND		1.3	1.3	ug/L			10/01/19 16:01	1
Methyl tert-butyl ether	**0.18**	**J**	1.0	0.16	ug/L			10/01/19 16:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 16:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 16:01	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 16:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 16:01	1
Toluene	**0.94**	**J**	1.0	0.51	ug/L			10/01/19 16:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 16:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 16:01	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 16:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 16:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 16:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*142*	*X*	*77 - 120*		*10/01/19 16:01*	*1*
Toluene-d8 (Surr)	*135*	*X*	*80 - 120*		*10/01/19 16:01*	*1*
4-Bromofluorobenzene (Surr)	*139*	*X*	*73 - 120*		*10/01/19 16:01*	*1*
Dibromofluoromethane (Surr)	*145*	*X*	*75 - 123*		*10/01/19 16:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**215**		2.5	1.4	mg/L			10/03/19 16:23	5
Sulfate	**236**		10.0	1.7	mg/L			10/03/19 16:23	5
Alkalinity, Bicarbonate	**262**		50.0	20.0	mg/L			10/04/19 00:01	5
Nitrate as N	**0.031**	**J**	0.050	0.020	mg/L			09/25/19 21:44	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 21:44	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.5**		1.0	0.43	mg/L			09/28/19 14:19	1

Client Sample ID: MW-1D-092419

Lab Sample ID: 480-159721-7

Date Collected: 09/24/19 14:00

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 16:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 16:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 16:25	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/01/19 16:25	1

Client Sample ID: MW-1D-092419
Date Collected: 09/24/19 14:00
Date Received: 09/25/19 16:30

Lab Sample ID: 480-159721-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 16:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 16:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 16:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 16:25	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/01/19 16:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 16:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 16:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 16:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 16:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 16:25	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 16:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 16:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 16:25	1
Acetone	ND		10	3.0	ug/L			10/01/19 16:25	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 16:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 16:25	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 16:25	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 16:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 16:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 16:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 16:25	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 16:25	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 16:25	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 16:25	1
Chloromethane	**0.47**	**J**	1.0	0.35	ug/L			10/01/19 16:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 16:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 16:25	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 16:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 16:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 16:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 16:25	1
Methyl acetate	ND		1.3	1.3	ug/L			10/01/19 16:25	1
Methyl tert-butyl ether	**0.64**	**J**	1.0	0.16	ug/L			10/01/19 16:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 16:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 16:25	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 16:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 16:25	1
Toluene	**0.79**	**J**	1.0	0.51	ug/L			10/01/19 16:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 16:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 16:25	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 16:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 16:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 16:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*157*	*X*	*77 - 120*		*10/01/19 16:25*	*1*
Toluene-d8 (Surr)	*144*	*X*	*80 - 120*		*10/01/19 16:25*	*1*
4-Bromofluorobenzene (Surr)	*146*	*X*	*73 - 120*		*10/01/19 16:25*	*1*
Dibromofluoromethane (Surr)	*162*	*X*	*75 - 123*		*10/01/19 16:25*	*1*

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Client Sample ID: MW-1D-092419

Lab Sample ID: 480-159721-7

Date Collected: 09/24/19 14:00

Matrix: Water

Date Received: 09/25/19 16:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**426**		5.0	2.8	mg/L			10/03/19 16:32	10
Sulfate	**203**		20.0	3.5	mg/L			10/03/19 16:32	10
Alkalinity, Bicarbonate	**341**		50.0	20.0	mg/L			10/04/19 00:02	5
Nitrate as N	**0.020**	**J**	0.050	0.020	mg/L			09/25/19 21:45	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 21:45	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.6**		1.0	0.43	mg/L			09/28/19 14:35	1

Client Sample ID: MW-6D-092419

Lab Sample ID: 480-159721-8

Date Collected: 09/24/19 14:40

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 12:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 12:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 12:50	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 12:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/02/19 12:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 12:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 12:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 12:50	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 12:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 12:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 12:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 12:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 12:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 12:50	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 12:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 12:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 12:50	1
Acetone	ND		10	3.0	ug/L			10/02/19 12:50	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 12:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 12:50	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 12:50	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 12:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 12:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 12:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 12:50	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 12:50	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 12:50	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 12:50	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 12:50	1
cis-1,2-Dichloroethene	**0.95**	**J**	1.0	0.81	ug/L			10/02/19 12:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 12:50	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 12:50	1

Client Sample ID: MW-6D-092419

Lab Sample ID: 480-159721-8

Date Collected: 09/24/19 14:40

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 12:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 12:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 12:50	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 12:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/02/19 12:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 12:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 12:50	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 12:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 12:50	1
Toluene	ND		1.0	0.51	ug/L			10/02/19 12:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 12:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 12:50	1
Trichloroethene	ND		1.0	0.46	ug/L			10/02/19 12:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 12:50	1
Vinyl chloride	**0.90**	**J**	1.0	0.90	ug/L			10/02/19 12:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*10/02/19 12:50*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*10/02/19 12:50*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/02/19 12:50*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*10/02/19 12:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**182**		2.5	1.4	mg/L			10/05/19 15:13	5
Sulfate	**196**		10.0	1.7	mg/L			10/05/19 15:13	5
Alkalinity, Bicarbonate	**296**		50.0	20.0	mg/L			10/04/19 00:02	5
Nitrate as N	**0.028**	**J**	0.050	0.020	mg/L			09/25/19 21:46	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 21:46	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**4.2**		1.0	0.43	mg/L			09/28/19 14:50	1

Client Sample ID: MW-1S-092419

Lab Sample ID: 480-159721-9

Date Collected: 09/24/19 15:00

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/02/19 13:13	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/02/19 13:13	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/02/19 13:13	2
1,1,2-Trichlorotrifluoroethane	ND		2.0	0.62	ug/L			10/02/19 13:13	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/02/19 13:13	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/02/19 13:13	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/02/19 13:13	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/02/19 13:13	2

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Client Sample ID: MW-1S-092419
Date Collected: 09/24/19 15:00
Date Received: 09/25/19 16:30

Lab Sample ID: 480-159721-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		2.0	1.5	ug/L			10/02/19 13:13	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/02/19 13:13	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/02/19 13:13	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/02/19 13:13	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/02/19 13:13	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/02/19 13:13	2
2-Hexanone	ND		10	2.5	ug/L			10/02/19 13:13	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/02/19 13:13	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/02/19 13:13	2
Acetone	ND		20	6.0	ug/L			10/02/19 13:13	2
Benzene	ND		2.0	0.82	ug/L			10/02/19 13:13	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/02/19 13:13	2
Bromoform	ND		2.0	0.52	ug/L			10/02/19 13:13	2
Bromomethane	ND		2.0	1.4	ug/L			10/02/19 13:13	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/02/19 13:13	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/02/19 13:13	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/02/19 13:13	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			10/02/19 13:13	2
Chloroethane	ND		2.0	0.64	ug/L			10/02/19 13:13	2
Chloroform	ND		2.0	0.68	ug/L			10/02/19 13:13	2
Chloromethane	ND		2.0	0.70	ug/L			10/02/19 13:13	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/02/19 13:13	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/02/19 13:13	2
Cyclohexane	ND		2.0	0.36	ug/L			10/02/19 13:13	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			10/02/19 13:13	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/02/19 13:13	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/02/19 13:13	2
Methyl acetate	ND		2.6	2.6	ug/L			10/02/19 13:13	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/02/19 13:13	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/02/19 13:13	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/02/19 13:13	2
Styrene	ND		2.0	1.5	ug/L			10/02/19 13:13	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/02/19 13:13	2
Toluene	ND		2.0	1.0	ug/L			10/02/19 13:13	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/02/19 13:13	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/02/19 13:13	2
Trichloroethene	ND		2.0	0.92	ug/L			10/02/19 13:13	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/02/19 13:13	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/02/19 13:13	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/02/19 13:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/02/19 13:13*	*2*
Toluene-d8 (Surr)	*109*		*80 - 120*		*10/02/19 13:13*	*2*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/02/19 13:13*	*2*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*10/02/19 13:13*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**895**		10.0	5.6	mg/L			10/05/19 15:21	20

Client Sample ID: MW-1S-092419

Lab Sample ID: 480-159721-9

Date Collected: 09/24/19 15:00

Matrix: Water

Date Received: 09/25/19 16:30

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**174**		40.0	7.0	mg/L			10/05/19 15:21	20
Alkalinity, Bicarbonate	**344**		50.0	20.0	mg/L			10/04/19 00:28	5
Nitrate as N	**0.022**	**J**	0.050	0.020	mg/L			09/25/19 21:47	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 21:47	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**4.5**		1.0	0.43	mg/L			09/28/19 15:36	1

Client Sample ID: MW-6DD-092419

Lab Sample ID: 480-159721-10

Date Collected: 09/24/19 16:10

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 13:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 13:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 13:36	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 13:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/02/19 13:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 13:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 13:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 13:36	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 13:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 13:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 13:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 13:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 13:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 13:36	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 13:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 13:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 13:36	1
Acetone	ND		10	3.0	ug/L			10/02/19 13:36	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 13:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 13:36	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 13:36	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 13:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 13:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 13:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 13:36	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 13:36	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 13:36	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 13:36	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 13:36	1
cis-1,2-Dichloroethene	**25**		1.0	0.81	ug/L			10/02/19 13:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 13:36	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 13:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 13:36	1

Client Sample ID: MW-6DD-092419

Lab Sample ID: 480-159721-10

Date Collected: 09/24/19 16:10

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 13:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 13:36	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 13:36	1
Methyl tert-butyl ether	**0.24**	**J**	1.0	0.16	ug/L			10/02/19 13:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 13:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 13:36	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 13:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 13:36	1
Toluene	ND		1.0	0.51	ug/L			10/02/19 13:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 13:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 13:36	1
Trichloroethene	ND		1.0	0.46	ug/L			10/02/19 13:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 13:36	1
Vinyl chloride	**5.5**		1.0	0.90	ug/L			10/02/19 13:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*10/02/19 13:36*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*10/02/19 13:36*	*1*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*10/02/19 13:36*	*1*
Dibromofluoromethane (Surr)	*117*		*75 - 123*		*10/02/19 13:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**273**		5.0	2.8	mg/L			10/05/19 15:29	10
Sulfate	**212**		20.0	3.5	mg/L			10/05/19 15:29	10
Alkalinity, Bicarbonate	**292**		50.0	20.0	mg/L			10/04/19 00:03	5
Nitrate as N	**0.025**	**J**	0.050	0.020	mg/L			09/25/19 21:49	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 21:49	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.7**		1.0	0.43	mg/L			09/28/19 15:51	1

Client Sample ID: MW-5D-092519

Lab Sample ID: 480-159721-11

Date Collected: 09/25/19 09:10

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 18:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 18:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 18:01	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/01/19 18:01	1
1,1-Dichloroethane	**0.56**	**J**	1.0	0.38	ug/L			10/01/19 18:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 18:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 18:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 18:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/01/19 18:01	1

Client Sample ID: MW-5D-092519
Date Collected: 09/25/19 09:10
Date Received: 09/25/19 16:30

Lab Sample ID: 480-159721-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 18:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 18:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 18:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 18:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 18:01	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 18:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 18:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 18:01	1
Acetone	ND		10	3.0	ug/L			10/01/19 18:01	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 18:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 18:01	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 18:01	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 18:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 18:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 18:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 18:01	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 18:01	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 18:01	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 18:01	1
Chloromethane	**0.69**	**J**	1.0	0.35	ug/L			10/01/19 18:01	1
cis-1,2-Dichloroethene	**0.92**	**J**	1.0	0.81	ug/L			10/01/19 18:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 18:01	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 18:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 18:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 18:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 18:01	1
Methyl acetate	ND		1.3	1.3	ug/L			10/01/19 18:01	1
Methyl tert-butyl ether	**0.49**	**J**	1.0	0.16	ug/L			10/01/19 18:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 18:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 18:01	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 18:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 18:01	1
Toluene	ND		1.0	0.51	ug/L			10/01/19 18:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 18:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 18:01	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 18:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 18:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 18:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*150*	*X*	*77 - 120*		*10/01/19 18:01*	*1*
Toluene-d8 (Surr)	*139*	*X*	*80 - 120*		*10/01/19 18:01*	*1*
4-Bromofluorobenzene (Surr)	*146*	*X*	*73 - 120*		*10/01/19 18:01*	*1*
Dibromofluoromethane (Surr)	*152*	*X*	*75 - 123*		*10/01/19 18:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**187**		2.5	1.4	mg/L			10/05/19 15:38	5
Sulfate	**184**		10.0	1.7	mg/L			10/05/19 15:38	5

Client Sample ID: MW-5D-092519

Lab Sample ID: 480-159721-11

Date Collected: 09/25/19 09:10

Matrix: Water

Date Received: 09/25/19 16:30

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	329		50.0	20.0	mg/L			10/04/19 00:03	5
Nitrate as N	0.027	J	0.050	0.020	mg/L			09/25/19 21:52	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 21:52	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	3.9		1.0	0.43	mg/L			09/28/19 16:07	1

Client Sample ID: MW-10D-092519

Lab Sample ID: 480-159721-12

Date Collected: 09/25/19 09:10

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 18:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 18:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 18:25	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/01/19 18:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 18:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 18:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 18:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 18:25	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/01/19 18:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 18:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 18:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 18:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 18:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 18:25	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 18:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 18:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 18:25	1
Acetone	ND		10	3.0	ug/L			10/01/19 18:25	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 18:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 18:25	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 18:25	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 18:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 18:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 18:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 18:25	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 18:25	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 18:25	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 18:25	1
Chloromethane	0.38	J	1.0	0.35	ug/L			10/01/19 18:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 18:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 18:25	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 18:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 18:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 18:25	1

Client Sample ID: MW-10D-092519

Lab Sample ID: 480-159721-12

Date Collected: 09/25/19 09:10

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 18:25	1
Methyl acetate	ND		1.3	1.3	ug/L			10/01/19 18:25	1
Methyl tert-butyl ether	**0.41**	**J**	1.0	0.16	ug/L			10/01/19 18:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 18:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 18:25	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 18:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 18:25	1
Toluene	**0.56**	**J**	1.0	0.51	ug/L			10/01/19 18:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 18:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 18:25	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 18:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 18:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 18:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*160*	*X*	*77 - 120*		*10/01/19 18:25*	*1*
Toluene-d8 (Surr)	*149*	*X*	*80 - 120*		*10/01/19 18:25*	*1*
4-Bromofluorobenzene (Surr)	*149*	*X*	*73 - 120*		*10/01/19 18:25*	*1*
Dibromofluoromethane (Surr)	*162*	*X*	*75 - 123*		*10/01/19 18:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**391**		5.0	2.8	mg/L			10/05/19 17:48	10
Sulfate	**210**		20.0	3.5	mg/L			10/05/19 17:48	10
Alkalinity, Bicarbonate	**291**		50.0	20.0	mg/L			10/04/19 00:04	5
Nitrate as N	ND		0.050	0.020	mg/L			09/25/19 21:53	1
Nitrite as N	**0.037**	**J B**	0.050	0.020	mg/L			09/25/19 22:53	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.4**		1.0	0.43	mg/L			09/28/19 13:02	1

Client Sample ID: MW-10S-092519

Lab Sample ID: 480-159721-13

Date Collected: 09/25/19 10:40

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 13:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 13:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 13:59	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 13:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/02/19 13:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 13:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 13:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 13:59	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 13:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 13:59	1

Client Sample ID: MW-10S-092519
Date Collected: 09/25/19 10:40
Date Received: 09/25/19 16:30

Lab Sample ID: 480-159721-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 13:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 13:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 13:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 13:59	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 13:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 13:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 13:59	1
Acetone	ND		10	3.0	ug/L			10/02/19 13:59	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 13:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 13:59	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 13:59	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 13:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 13:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 13:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 13:59	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 13:59	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 13:59	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 13:59	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 13:59	1
cis-1,2-Dichloroethene	**20**		1.0	0.81	ug/L			10/02/19 13:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 13:59	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 13:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 13:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 13:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 13:59	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 13:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/02/19 13:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 13:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 13:59	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 13:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 13:59	1
Toluene	**0.59**	**J**	1.0	0.51	ug/L			10/02/19 13:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 13:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 13:59	1
Trichloroethene	ND		1.0	0.46	ug/L			10/02/19 13:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 13:59	1
Vinyl chloride	**3.5**		1.0	0.90	ug/L			10/02/19 13:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*10/02/19 13:59*	*1*
Toluene-d8 (Surr)	*116*		*80 - 120*		*10/02/19 13:59*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*10/02/19 13:59*	*1*
Dibromofluoromethane (Surr)	*123*		*75 - 123*		*10/02/19 13:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		2.5	1.4	mg/L			10/05/19 15:46	5
Sulfate	**308**		10.0	1.7	mg/L			10/05/19 15:46	5
Alkalinity, Bicarbonate	**366**		50.0	20.0	mg/L			10/04/19 00:05	5

Client Sample ID: MW-10S-092519

Lab Sample ID: 480-159721-13

Date Collected: 09/25/19 10:40

Matrix: Water

Date Received: 09/25/19 16:30

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.022**	**J**	0.050	0.020	mg/L			09/25/19 21:56	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 21:56	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.9**		1.0	0.43	mg/L			09/28/19 16:22	1

Client Sample ID: MW-4D-092519

Lab Sample ID: 480-159721-14

Date Collected: 09/25/19 12:10

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 19:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 19:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 19:14	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/01/19 19:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 19:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 19:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 19:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 19:14	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/01/19 19:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 19:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 19:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 19:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 19:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 19:14	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 19:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 19:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 19:14	1
Acetone	ND		10	3.0	ug/L			10/01/19 19:14	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 19:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 19:14	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 19:14	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 19:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 19:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 19:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 19:14	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 19:14	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 19:14	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 19:14	1
Chloromethane	**0.58**	**J**	1.0	0.35	ug/L			10/01/19 19:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 19:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 19:14	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 19:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 19:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 19:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 19:14	1

Client Sample ID: MW-4D-092519

Lab Sample ID: 480-159721-14

Date Collected: 09/25/19 12:10

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		1.3	1.3	ug/L			10/01/19 19:14	1
Methyl tert-butyl ether	**0.59**	**J**	1.0	0.16	ug/L			10/01/19 19:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 19:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 19:14	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 19:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 19:14	1
Toluene	ND		1.0	0.51	ug/L			10/01/19 19:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 19:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 19:14	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 19:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 19:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 19:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*156*	*X*	*77 - 120*		*10/01/19 19:14*	*1*
Toluene-d8 (Surr)	*145*	*X*	*80 - 120*		*10/01/19 19:14*	*1*
4-Bromofluorobenzene (Surr)	*149*	*X*	*73 - 120*		*10/01/19 19:14*	*1*
Dibromofluoromethane (Surr)	*156*	*X*	*75 - 123*		*10/01/19 19:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**267**		5.0	2.8	mg/L			10/05/19 15:54	10
Sulfate	**263**		20.0	3.5	mg/L			10/05/19 15:54	10
Alkalinity, Bicarbonate	**330**		50.0	20.0	mg/L			10/04/19 00:05	5
Nitrate as N	**0.022**	**J**	0.050	0.020	mg/L			09/25/19 21:58	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 21:58	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**5.3**		1.0	0.43	mg/L			09/28/19 16:38	1

Client Sample ID: MW-4S-092519

Lab Sample ID: 480-159721-15

Date Collected: 09/25/19 12:40

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/03/19 04:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/03/19 04:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/03/19 04:31	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/03/19 04:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/03/19 04:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/03/19 04:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/03/19 04:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/03/19 04:31	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/03/19 04:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/03/19 04:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/03/19 04:31	1

Client Sample ID: MW-4S-092519
Date Collected: 09/25/19 12:40
Date Received: 09/25/19 16:30

Lab Sample ID: 480-159721-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/03/19 04:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/03/19 04:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/03/19 04:31	1
2-Hexanone	ND		5.0	1.2	ug/L			10/03/19 04:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/03/19 04:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/03/19 04:31	1
Acetone	ND		10	3.0	ug/L			10/03/19 04:31	1
Benzene	ND		1.0	0.41	ug/L			10/03/19 04:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/03/19 04:31	1
Bromoform	ND		1.0	0.26	ug/L			10/03/19 04:31	1
Bromomethane	ND		1.0	0.69	ug/L			10/03/19 04:31	1
Carbon disulfide	**0.59**	**J**	1.0	0.19	ug/L			10/03/19 04:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/03/19 04:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/03/19 04:31	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/03/19 04:31	1
Chloroethane	ND		1.0	0.32	ug/L			10/03/19 04:31	1
Chloroform	ND		1.0	0.34	ug/L			10/03/19 04:31	1
Chloromethane	ND		1.0	0.35	ug/L			10/03/19 04:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/03/19 04:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/03/19 04:31	1
Cyclohexane	ND		1.0	0.18	ug/L			10/03/19 04:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/03/19 04:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/03/19 04:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/03/19 04:31	1
Methyl acetate	ND		1.3	1.3	ug/L			10/03/19 04:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/03/19 04:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/03/19 04:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/03/19 04:31	1
Styrene	ND		1.0	0.73	ug/L			10/03/19 04:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/03/19 04:31	1
Toluene	ND		1.0	0.51	ug/L			10/03/19 04:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/03/19 04:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/03/19 04:31	1
Trichloroethene	ND		1.0	0.46	ug/L			10/03/19 04:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/03/19 04:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/03/19 04:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/03/19 04:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/03/19 04:31*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/03/19 04:31*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/03/19 04:31*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/03/19 04:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.0**		5.0	2.8	mg/L			10/05/19 16:02	10
Sulfate	**875**		20.0	3.5	mg/L			10/05/19 16:02	10
Alkalinity, Bicarbonate	**494**		50.0	20.0	mg/L			10/04/19 00:05	5
Nitrate as N	**0.089**		0.050	0.020	mg/L			09/25/19 21:59	1

Client Sample ID: MW-4S-092519

Lab Sample ID: 480-159721-15

Date Collected: 09/25/19 12:40

Matrix: Water

Date Received: 09/25/19 16:30

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	**0.051**	**B**	0.050	0.020	mg/L			09/25/19 22:47	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.9**		1.0	0.43	mg/L			09/28/19 16:53	1

Client Sample ID: MW-5S-092519

Lab Sample ID: 480-159721-16

Date Collected: 09/25/19 13:00

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**7.3**		1.0	0.82	ug/L			10/02/19 03:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 03:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 03:56	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 03:56	1
1,1-Dichloroethane	**16**		1.0	0.38	ug/L			10/02/19 03:56	1
1,1-Dichloroethene	**0.30**	**J**	1.0	0.29	ug/L			10/02/19 03:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 03:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 03:56	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 03:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 03:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 03:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 03:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 03:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 03:56	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 03:56	1
2-Butanone (MEK)	**1.9**	**J**	10	1.3	ug/L			10/02/19 03:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 03:56	1
Acetone	**7.2**	**J**	10	3.0	ug/L			10/02/19 03:56	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 03:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 03:56	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 03:56	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 03:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 03:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 03:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 03:56	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 03:56	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 03:56	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 03:56	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 03:56	1
cis-1,2-Dichloroethene	**7.4**		1.0	0.81	ug/L			10/02/19 03:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 03:56	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 03:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 03:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 03:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 03:56	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 03:56	1

Client Sample ID: MW-5S-092519

Lab Sample ID: 480-159721-16

Date Collected: 09/25/19 13:00

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/02/19 03:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 03:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 03:56	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 03:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 03:56	1
Toluene	**2.4**		1.0	0.51	ug/L			10/02/19 03:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 03:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 03:56	1
Trichloroethene	**1.3**		1.0	0.46	ug/L			10/02/19 03:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 03:56	1
Vinyl chloride	**1.7**		1.0	0.90	ug/L			10/02/19 03:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/02/19 03:56*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/02/19 03:56*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/02/19 03:56*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/02/19 03:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.8**		2.5	1.4	mg/L			10/05/19 16:10	5
Sulfate	**183**		10.0	1.7	mg/L			10/05/19 16:10	5
Alkalinity, Bicarbonate	**339**		50.0	20.0	mg/L			10/04/19 00:06	5
Nitrate as N	**0.028**	**J**	0.050	0.020	mg/L			09/25/19 22:00	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 22:00	1
Sulfide	**1.2**		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**6.3**		1.0	0.43	mg/L			09/28/19 17:09	1

Client Sample ID: MW-6S-092519

Lab Sample ID: 480-159721-17

Date Collected: 09/25/19 14:10

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 04:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 04:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 04:20	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 04:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/02/19 04:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 04:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 04:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 04:20	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 04:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 04:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 04:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 04:20	1

Client Sample ID: MW-6S-092519
Date Collected: 09/25/19 14:10
Date Received: 09/25/19 16:30

Lab Sample ID: 480-159721-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 04:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 04:20	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 04:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 04:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 04:20	1
Acetone	ND		10	3.0	ug/L			10/02/19 04:20	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 04:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 04:20	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 04:20	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 04:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 04:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 04:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 04:20	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 04:20	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 04:20	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 04:20	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 04:20	1
cis-1,2-Dichloroethene	**9.5**		1.0	0.81	ug/L			10/02/19 04:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 04:20	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 04:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 04:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 04:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 04:20	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 04:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/02/19 04:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 04:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 04:20	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 04:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 04:20	1
Toluene	ND		1.0	0.51	ug/L			10/02/19 04:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 04:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 04:20	1
Trichloroethene	ND		1.0	0.46	ug/L			10/02/19 04:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 04:20	1
Vinyl chloride	**7.9**		1.0	0.90	ug/L			10/02/19 04:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/02/19 04:20*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/02/19 04:20*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/02/19 04:20*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/02/19 04:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.4**		2.5	1.4	mg/L			10/07/19 18:15	5
Sulfate	**204**		10.0	1.7	mg/L			10/07/19 18:15	5
Alkalinity, Bicarbonate	**378**		50.0	20.0	mg/L			10/04/19 00:06	5
Nitrate as N	**0.023**	**J**	0.050	0.020	mg/L			09/25/19 22:01	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 22:01	1

Client Sample ID: MW-6S-092519

Lab Sample ID: 480-159721-17

Date Collected: 09/25/19 14:10

Matrix: Water

Date Received: 09/25/19 16:30

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**4.4**		1.0	0.43	mg/L			09/28/19 17:24	1

Client Sample ID: X-1

Lab Sample ID: 480-159721-18

Date Collected: 09/25/19 00:00

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 04:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 04:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 04:44	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 04:44	1
1,1-Dichloroethane	**0.39**	**J**	1.0	0.38	ug/L			10/02/19 04:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 04:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 04:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 04:44	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 04:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 04:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 04:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 04:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 04:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 04:44	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 04:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 04:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 04:44	1
Acetone	ND		10	3.0	ug/L			10/02/19 04:44	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 04:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 04:44	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 04:44	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 04:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 04:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 04:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 04:44	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 04:44	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 04:44	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 04:44	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 04:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/02/19 04:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 04:44	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 04:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 04:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 04:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 04:44	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 04:44	1
Methyl tert-butyl ether	**0.37**	**J**	1.0	0.16	ug/L			10/02/19 04:44	1

Client Sample ID: X-1

Lab Sample ID: 480-159721-18

Date Collected: 09/25/19 00:00

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 04:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 04:44	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 04:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 04:44	1
Toluene	ND		1.0	0.51	ug/L			10/02/19 04:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 04:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 04:44	1
Trichloroethene	ND		1.0	0.46	ug/L			10/02/19 04:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 04:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/02/19 04:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/02/19 04:44*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/02/19 04:44*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/02/19 04:44*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/02/19 04:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**187**		2.5	1.4	mg/L			10/05/19 16:18	5
Sulfate	**185**		10.0	1.7	mg/L			10/05/19 16:18	5
Alkalinity, Bicarbonate	**344**		50.0	20.0	mg/L			10/04/19 00:07	5
Nitrate as N	ND		0.050	0.020	mg/L			09/25/19 22:02	1
Nitrite as N	ND		0.050	0.020	mg/L			09/25/19 22:02	1
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.7**		1.0	0.43	mg/L			09/28/19 17:39	1

Client Sample ID: QC-TRIP BLANK

Lab Sample ID: 480-159721-19

Date Collected: 09/25/19 00:00

Matrix: Water

Date Received: 09/25/19 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 17:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 17:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 17:08	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/01/19 17:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 17:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 17:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 17:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 17:08	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/01/19 17:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 17:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 17:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 17:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 17:08	1

Client Sample ID: QC-TRIP BLANK
Date Collected: 09/25/19 00:00
Date Received: 09/25/19 16:30

Lab Sample ID: 480-159721-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 17:08	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 17:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 17:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 17:08	1
Acetone	ND		10	3.0	ug/L			10/01/19 17:08	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 17:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 17:08	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 17:08	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 17:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 17:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 17:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 17:08	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 17:08	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 17:08	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 17:08	1
Chloromethane	ND		1.0	0.35	ug/L			10/01/19 17:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 17:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 17:08	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 17:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 17:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 17:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 17:08	1
Methyl acetate	ND		1.3	1.3	ug/L			10/01/19 17:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/01/19 17:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 17:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 17:08	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 17:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 17:08	1
Toluene	ND		1.0	0.51	ug/L			10/01/19 17:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 17:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 17:08	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 17:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 17:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 17:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/01/19 17:08*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/01/19 17:08*	*1*
4-Bromofluorobenzene (Surr)	*118*		*73 - 120*		*10/01/19 17:08*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 123*		*10/01/19 17:08*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-159721-1	MW-7DD(2)-092419	115	110	114	118
480-159721-2	MW-8D-092419	109	112	112	112
480-159721-3	MW-7S-092419	112	115	115	113
480-159721-4	MW-8S-092419	112	112	112	117
480-159721-5	MW-7D-092419	114	113	114	117
480-159721-6	MW-8DD-092419	142 X	135 X	139 X	145 X
480-159721-7	MW-1D-092419	157 X	144 X	146 X	162 X
480-159721-8	MW-6D-092419	115	113	111	114
480-159721-9	MW-1S-092419	112	109	111	113
480-159721-10	MW-6DD-092419	115	113	114	117
480-159721-11	MW-5D-092519	150 X	139 X	146 X	152 X
480-159721-12	MW-10D-092519	160 X	149 X	149 X	162 X
480-159721-12 MS	MW-10D-092519	105	102	106	102
480-159721-12 MSD	MW-10D-092519	102	101	107	98
480-159721-13	MW-10S-092519	116	116	113	123
480-159721-14	MW-4D-092519	156 X	145 X	149 X	156 X
480-159721-15	MW-4S-092519	101	98	104	99
480-159721-16	MW-5S-092519	105	100	107	105
480-159721-17	MW-6S-092519	102	101	108	101
480-159721-18	X-1	104	100	109	100
480-159721-19	QC-TRIP BLANK	110	102	118	118
LCS 480-495137/9	Lab Control Sample	110	105	110	110
LCS 480-495172/5	Lab Control Sample	102	104	119	107
LCS 480-495246/6	Lab Control Sample	105	99	108	106
LCS 480-495354/5	Lab Control Sample	112	113	108	111
LCS 480-495467/6	Lab Control Sample	101	102	110	99
LCSD 480-495172/6	Lab Control Sample Dup	100	103	119	106
MB 480-495137/7	Method Blank	122 X	114	114	119
MB 480-495172/8	Method Blank	104	101	116	111
MB 480-495246/8	Method Blank	107	102	106	104
MB 480-495354/7	Method Blank	112	113	109	112
MB 480-495467/8	Method Blank	107	101	107	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 480-495137/7
Matrix: Water
Analysis Batch: 495137

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 12:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 12:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 12:08	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/01/19 12:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 12:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 12:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 12:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 12:08	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/01/19 12:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 12:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 12:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 12:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 12:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 12:08	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 12:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 12:08	1
Acetone	ND		10	3.0	ug/L			10/01/19 12:08	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 12:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 12:08	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 12:08	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 12:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 12:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 12:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 12:08	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 12:08	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 12:08	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 12:08	1
Chloromethane	ND		1.0	0.35	ug/L			10/01/19 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 12:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 12:08	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 12:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 12:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 12:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 12:08	1
Methyl acetate	ND		1.3	1.3	ug/L			10/01/19 12:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/01/19 12:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 12:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 12:08	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 12:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 12:08	1
Toluene	ND		1.0	0.51	ug/L			10/01/19 12:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 12:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 12:08	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 12:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 12:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 12:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 12:08	1

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

Lab Sample ID: MB 480-495137/7
Matrix: Water
Analysis Batch: 495137

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*122*	*X*	*77 - 120*		*10/01/19 12:08*	*1*
Toluene-d8 (Surr)	*114*		*80 - 120*		*10/01/19 12:08*	*1*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*10/01/19 12:08*	*1*
Dibromofluoromethane (Surr)	*119*		*75 - 123*		*10/01/19 12:08*	*1*

Lab Sample ID: LCS 480-495137/9
Matrix: Water
Analysis Batch: 495137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.7		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.9		ug/L		107	76 - 120
1,1,2-Trichloroethane	25.0	27.6		ug/L		111	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	25.8		ug/L		103	61 - 148
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	25.4		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	25.0	27.1		ug/L		109	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.5		ug/L		102	56 - 134
1,2-Dibromoethane (EDB)	25.0	27.6		ug/L		110	77 - 120
1,2-Dichlorobenzene	25.0	27.5		ug/L		110	80 - 124
1,2-Dichloroethane	25.0	27.4		ug/L		109	75 - 120
1,2-Dichloropropane	25.0	27.3		ug/L		109	76 - 120
1,3-Dichlorobenzene	25.0	26.1		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 120
2-Hexanone	125	133		ug/L		107	65 - 127
2-Butanone (MEK)	125	125		ug/L		100	57 - 140
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	130		ug/L		104	56 - 142
Benzene	25.0	26.4		ug/L		106	71 - 124
Bromodichloromethane	25.0	30.1		ug/L		120	80 - 122
Bromoform	25.0	30.1		ug/L		120	61 - 132
Bromomethane	25.0	24.5		ug/L		98	55 - 144
Carbon disulfide	25.0	26.1		ug/L		104	59 - 134
Carbon tetrachloride	25.0	27.0		ug/L		108	72 - 134
Chlorobenzene	25.0	26.3		ug/L		105	80 - 120
Chlorodibromomethane	25.0	30.3		ug/L		121	75 - 125
Chloroethane	25.0	22.5		ug/L		90	69 - 136
Chloroform	25.0	26.0		ug/L		104	73 - 127
Chloromethane	25.0	24.7		ug/L		99	68 - 124
cis-1,2-Dichloroethene	25.0	27.1		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	29.8		ug/L		119	74 - 124
Cyclohexane	25.0	25.2		ug/L		101	59 - 135
Dichlorodifluoromethane	25.0	27.8		ug/L		111	59 - 135
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
Isopropylbenzene	25.0	26.4		ug/L		106	77 - 122
Methyl acetate	50.0	48.7		ug/L		97	74 - 133
Methyl tert-butyl ether	25.0	28.3		ug/L		113	77 - 120
Methylcyclohexane	25.0	26.1		ug/L		104	68 - 134

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

Lab Sample ID: LCS 480-495137/9
Matrix: Water
Analysis Batch: 495137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	26.8		ug/L		107	75 - 124
Styrene	25.0	28.3		ug/L		113	80 - 120
Tetrachloroethene	25.0	27.8		ug/L		111	74 - 122
Toluene	25.0	26.2		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	26.7		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	29.6		ug/L		118	80 - 120
Trichloroethene	25.0	26.9		ug/L		107	74 - 123
Trichlorofluoromethane	25.0	25.0		ug/L		100	62 - 150
Vinyl chloride	25.0	25.3		ug/L		101	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*

Lab Sample ID: MB 480-495172/8
Matrix: Water
Analysis Batch: 495172

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 14:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 14:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 14:08	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/01/19 14:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 14:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 14:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 14:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 14:08	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/01/19 14:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 14:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 14:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 14:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 14:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 14:08	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 14:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 14:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 14:08	1
Acetone	ND		10	3.0	ug/L			10/01/19 14:08	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 14:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 14:08	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 14:08	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 14:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 14:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 14:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 14:08	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 14:08	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 14:08	1

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

Lab Sample ID: MB 480-495172/8
Matrix: Water
Analysis Batch: 495172

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			10/01/19 14:08	1
Chloromethane	ND		1.0	0.35	ug/L			10/01/19 14:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 14:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 14:08	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 14:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 14:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 14:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 14:08	1
Methyl acetate	ND		1.3	1.3	ug/L			10/01/19 14:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/01/19 14:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 14:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 14:08	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 14:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 14:08	1
Toluene	ND		1.0	0.51	ug/L			10/01/19 14:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 14:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 14:08	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 14:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 14:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 14:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/01/19 14:08*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/01/19 14:08*	*1*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*		*10/01/19 14:08*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/01/19 14:08*	*1*

Lab Sample ID: LCS 480-495172/5
Matrix: Water
Analysis Batch: 495172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.3		ug/L		85	76 - 120
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	24.0		ug/L		96	61 - 148
1,1-Dichloroethane	25.0	22.7		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	23.8		ug/L		95	66 - 127
1,2,4-Trichlorobenzene	25.0	26.8		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.2		ug/L		101	56 - 134
1,2-Dibromoethane (EDB)	25.0	25.7		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	24.4		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	22.9		ug/L		92	76 - 120
1,3-Dichlorobenzene	25.0	23.2		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 120
2-Hexanone	125	113		ug/L		90	65 - 127

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

Lab Sample ID: LCS 480-495172/5
Matrix: Water
Analysis Batch: 495172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2-Butanone (MEK)			125	123		ug/L		99	57 - 140		
4-Methyl-2-pentanone (MIBK)			125	116		ug/L		93	71 - 125		
Acetone			125	133		ug/L		107	56 - 142		
Benzene			25.0	22.8		ug/L		91	71 - 124		
Bromodichloromethane			25.0	25.8		ug/L		103	80 - 122		
Bromoform			25.0	32.9		ug/L		131	61 - 132		
Bromomethane			25.0	25.6		ug/L		102	55 - 144		
Carbon disulfide			25.0	22.7		ug/L		91	59 - 134		
Carbon tetrachloride			25.0	24.8		ug/L		99	72 - 134		
Chlorobenzene			25.0	24.2		ug/L		97	80 - 120		
Chlorodibromomethane			25.0	29.3		ug/L		117	75 - 125		
Chloroethane			25.0	24.0		ug/L		96	69 - 136		
Chloroform			25.0	23.4		ug/L		94	73 - 127		
Chloromethane			25.0	25.7		ug/L		103	68 - 124		
cis-1,2-Dichloroethene			25.0	24.1		ug/L		97	74 - 124		
cis-1,3-Dichloropropene			25.0	25.4		ug/L		101	74 - 124		
Cyclohexane			25.0	21.3		ug/L		85	59 - 135		
Dichlorodifluoromethane			25.0	33.6		ug/L		135	59 - 135		
Ethylbenzene			25.0	23.1		ug/L		93	77 - 123		
Isopropylbenzene			25.0	21.4		ug/L		86	77 - 122		
Methyl acetate			50.0	45.3		ug/L		91	74 - 133		
Methyl tert-butyl ether			25.0	24.4		ug/L		98	77 - 120		
Methylcyclohexane			25.0	22.4		ug/L		90	68 - 134		
Methylene Chloride			25.0	23.8		ug/L		95	75 - 124		
Styrene			25.0	24.7		ug/L		99	80 - 120		
Tetrachloroethene			25.0	27.5		ug/L		110	74 - 122		
Toluene			25.0	23.9		ug/L		95	80 - 122		
trans-1,2-Dichloroethene			25.0	23.5		ug/L		94	73 - 127		
trans-1,3-Dichloropropene			25.0	25.7		ug/L		103	80 - 120		
Trichloroethene			25.0	24.4		ug/L		98	74 - 123		
Trichlorofluoromethane			25.0	26.8		ug/L		107	62 - 150		
Vinyl chloride			25.0	25.4		ug/L		102	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*119*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: LCSD 480-495172/6
Matrix: Water
Analysis Batch: 495172

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			25.0	24.2		ug/L		97	73 - 126	4	15
1,1,2,2-Tetrachloroethane			25.0	21.2		ug/L		85	76 - 120	0	15
1,1,2-Trichloroethane			25.0	23.6		ug/L		94	76 - 122	1	15
1,1,2-Trichlorotrifluoroethane			25.0	22.9		ug/L		91	61 - 148	5	20

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

Lab Sample ID: LCSD 480-495172/6
Matrix: Water
Analysis Batch: 495172

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane			25.0	21.8		ug/L		87	77 - 120	4	20
1,1-Dichloroethene			25.0	22.9		ug/L		92	66 - 127	4	16
1,2,4-Trichlorobenzene			25.0	26.3		ug/L		105	79 - 122	2	20
1,2-Dibromo-3-Chloropropane			25.0	24.8		ug/L		99	56 - 134	2	15
1,2-Dibromoethane (EDB)			25.0	25.5		ug/L		102	77 - 120	1	15
1,2-Dichlorobenzene			25.0	23.6		ug/L		95	80 - 124	2	20
1,2-Dichloroethane			25.0	23.8		ug/L		95	75 - 120	2	20
1,2-Dichloropropane			25.0	22.0		ug/L		88	76 - 120	4	20
1,3-Dichlorobenzene			25.0	22.7		ug/L		91	77 - 120	2	20
1,4-Dichlorobenzene			25.0	22.5		ug/L		90	80 - 120	3	20
2-Hexanone			125	113		ug/L		90	65 - 127	0	15
2-Butanone (MEK)			125	122		ug/L		97	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)			125	115		ug/L		92	71 - 125	1	35
Acetone			125	135		ug/L		108	56 - 142	1	15
Benzene			25.0	22.1		ug/L		88	71 - 124	3	13
Bromodichloromethane			25.0	25.1		ug/L		101	80 - 122	3	15
Bromoform			25.0	32.7		ug/L		131	61 - 132	0	15
Bromomethane			25.0	24.4		ug/L		98	55 - 144	5	15
Carbon disulfide			25.0	22.0		ug/L		88	59 - 134	3	15
Carbon tetrachloride			25.0	23.6		ug/L		94	72 - 134	5	15
Chlorobenzene			25.0	23.8		ug/L		95	80 - 120	2	25
Chlorodibromomethane			25.0	28.9		ug/L		116	75 - 125	1	15
Chloroethane			25.0	23.2		ug/L		93	69 - 136	4	15
Chloroform			25.0	22.4		ug/L		90	73 - 127	4	20
Chloromethane			25.0	25.0		ug/L		100	68 - 124	3	15
cis-1,2-Dichloroethene			25.0	23.3		ug/L		93	74 - 124	4	15
cis-1,3-Dichloropropene			25.0	25.0		ug/L		100	74 - 124	1	15
Cyclohexane			25.0	20.4		ug/L		82	59 - 135	4	20
Dichlorodifluoromethane			25.0	32.4		ug/L		130	59 - 135	4	20
Ethylbenzene			25.0	22.5		ug/L		90	77 - 123	3	15
Isopropylbenzene			25.0	20.7		ug/L		83	77 - 122	3	20
Methyl acetate			50.0	45.1		ug/L		90	74 - 133	0	20
Methyl tert-butyl ether			25.0	23.8		ug/L		95	77 - 120	3	37
Methylcyclohexane			25.0	21.5		ug/L		86	68 - 134	4	20
Methylene Chloride			25.0	22.9		ug/L		91	75 - 124	4	15
Styrene			25.0	24.4		ug/L		97	80 - 120	1	20
Tetrachloroethene			25.0	26.4		ug/L		106	74 - 122	4	20
Toluene			25.0	23.3		ug/L		93	80 - 122	2	15
trans-1,2-Dichloroethene			25.0	23.0		ug/L		92	73 - 127	2	20
trans-1,3-Dichloropropene			25.0	25.3		ug/L		101	80 - 120	2	15
Trichloroethene			25.0	23.1		ug/L		92	74 - 123	6	16
Trichlorofluoromethane			25.0	25.8		ug/L		103	62 - 150	4	20
Vinyl chloride			25.0	24.6		ug/L		98	65 - 133	3	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*119*		*73 - 120*

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

Lab Sample ID: LCSD 480-495172/6
Matrix: Water
Analysis Batch: 495172

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: MB 480-495246/8
Matrix: Water
Analysis Batch: 495246

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 21:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 21:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 21:31	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/01/19 21:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 21:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 21:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 21:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 21:31	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/01/19 21:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 21:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 21:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 21:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 21:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 21:31	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 21:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 21:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 21:31	1
Acetone	ND		10	3.0	ug/L			10/01/19 21:31	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 21:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 21:31	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 21:31	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 21:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 21:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 21:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 21:31	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 21:31	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 21:31	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 21:31	1
Chloromethane	ND		1.0	0.35	ug/L			10/01/19 21:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 21:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 21:31	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 21:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 21:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 21:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 21:31	1
Methyl acetate	ND		1.3	1.3	ug/L			10/01/19 21:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/01/19 21:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 21:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 21:31	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 21:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 21:31	1

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

Lab Sample ID: MB 480-495246/8
Matrix: Water
Analysis Batch: 495246

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			10/01/19 21:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 21:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 21:31	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 21:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 21:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 21:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 21:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/01/19 21:31*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/01/19 21:31*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/01/19 21:31*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/01/19 21:31*	*1*

Lab Sample ID: LCS 480-495246/6
Matrix: Water
Analysis Batch: 495246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.5		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.9		ug/L		91	76 - 120
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	22.0		ug/L		88	61 - 148
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	22.9		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	22.7		ug/L		91	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.5		ug/L		86	56 - 134
1,2-Dibromoethane (EDB)	25.0	25.2		ug/L		101	77 - 120
1,2-Dichlorobenzene	25.0	22.9		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	26.0		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	23.2		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	22.9		ug/L		92	80 - 120
2-Hexanone	125	132		ug/L		105	65 - 127
2-Butanone (MEK)	125	152		ug/L		121	57 - 140
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		103	71 - 125
Acetone	125	170		ug/L		136	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		101	80 - 122
Bromoform	25.0	24.4		ug/L		98	61 - 132
Bromomethane	25.0	22.8		ug/L		91	55 - 144
Carbon disulfide	25.0	21.7		ug/L		87	59 - 134
Carbon tetrachloride	25.0	23.4		ug/L		93	72 - 134
Chlorobenzene	25.0	24.8		ug/L		99	80 - 120
Chlorodibromomethane	25.0	26.0		ug/L		104	75 - 125
Chloroethane	25.0	21.5		ug/L		86	69 - 136
Chloroform	25.0	22.8		ug/L		91	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124

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

Lab Sample ID: LCS 480-495246/6
Matrix: Water
Analysis Batch: 495246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	74 - 124
Cyclohexane	25.0	22.5		ug/L		90	59 - 135
Dichlorodifluoromethane	25.0	20.1		ug/L		80	59 - 135
Ethylbenzene	25.0	23.7		ug/L		95	77 - 123
Isopropylbenzene	25.0	22.6		ug/L		91	77 - 122
Methyl acetate	50.0	50.3		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	24.7		ug/L		99	77 - 120
Methylcyclohexane	25.0	22.2		ug/L		89	68 - 134
Methylene Chloride	25.0	26.0		ug/L		104	75 - 124
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	23.9		ug/L		95	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	24.5		ug/L		98	80 - 120
Trichloroethene	25.0	24.4		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	22.3		ug/L		89	62 - 150
Vinyl chloride	25.0	22.4		ug/L		89	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: MB 480-495354/7
Matrix: Water
Analysis Batch: 495354

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 10:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 10:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 10:42	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 10:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/02/19 10:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 10:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 10:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 10:42	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 10:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 10:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 10:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 10:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 10:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 10:42	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 10:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 10:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 10:42	1
Acetone	ND		10	3.0	ug/L			10/02/19 10:42	1

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

Lab Sample ID: MB 480-495354/7
Matrix: Water
Analysis Batch: 495354

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/02/19 10:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 10:42	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 10:42	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 10:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 10:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 10:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 10:42	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 10:42	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 10:42	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 10:42	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 10:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/02/19 10:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 10:42	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 10:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 10:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 10:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 10:42	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 10:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/02/19 10:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 10:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 10:42	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 10:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 10:42	1
Toluene	ND		1.0	0.51	ug/L			10/02/19 10:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 10:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 10:42	1
Trichloroethene	ND		1.0	0.46	ug/L			10/02/19 10:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 10:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/02/19 10:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 10:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/02/19 10:42*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*10/02/19 10:42*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/02/19 10:42*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*10/02/19 10:42*	*1*

Lab Sample ID: LCS 480-495354/5
Matrix: Water
Analysis Batch: 495354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	28.4		ug/L		114	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.7		ug/L		107	76 - 120
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	31.1		ug/L		124	61 - 148
1,1-Dichloroethane	25.0	29.3		ug/L		117	77 - 120
1,1-Dichloroethene	25.0	28.5		ug/L		114	66 - 127

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

Lab Sample ID: LCS 480-495354/5
Matrix: Water
Analysis Batch: 495354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	25.0	23.8		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.1		ug/L		85	56 - 134
1,2-Dibromoethane (EDB)	25.0	26.6		ug/L		107	77 - 120
1,2-Dichlorobenzene	25.0	27.9		ug/L		111	80 - 124
1,2-Dichloroethane	25.0	25.4		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	28.5		ug/L		114	76 - 120
1,3-Dichlorobenzene	25.0	28.2		ug/L		113	77 - 120
1,4-Dichlorobenzene	25.0	27.8		ug/L		111	80 - 120
2-Hexanone	125	136		ug/L		109	65 - 127
2-Butanone (MEK)	125	162		ug/L		130	57 - 140
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	150		ug/L		120	56 - 142
Benzene	25.0	28.7		ug/L		115	71 - 124
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	26.4		ug/L		106	61 - 132
Bromomethane	25.0	26.1		ug/L		104	55 - 144
Carbon disulfide	25.0	29.5		ug/L		118	59 - 134
Carbon tetrachloride	25.0	28.8		ug/L		115	72 - 134
Chlorobenzene	25.0	27.8		ug/L		111	80 - 120
Chlorodibromomethane	25.0	27.6		ug/L		110	75 - 125
Chloroethane	25.0	27.2		ug/L		109	69 - 136
Chloroform	25.0	26.9		ug/L		108	73 - 127
Chloromethane	25.0	26.7		ug/L		107	68 - 124
cis-1,2-Dichloroethene	25.0	28.8		ug/L		115	74 - 124
cis-1,3-Dichloropropene	25.0	26.9		ug/L		107	74 - 124
Cyclohexane	25.0	31.2		ug/L		125	59 - 135
Dichlorodifluoromethane	25.0	21.6		ug/L		86	59 - 135
Ethylbenzene	25.0	28.3		ug/L		113	77 - 123
Isopropylbenzene	25.0	29.0		ug/L		116	77 - 122
Methyl acetate	50.0	61.3		ug/L		123	74 - 133
Methyl tert-butyl ether	25.0	26.6		ug/L		107	77 - 120
Methylcyclohexane	25.0	30.0		ug/L		120	68 - 134
Methylene Chloride	25.0	28.8		ug/L		115	75 - 124
Styrene	25.0	27.8		ug/L		111	80 - 120
Tetrachloroethene	25.0	30.0		ug/L		120	74 - 122
Toluene	25.0	27.9		ug/L		112	80 - 122
trans-1,2-Dichloroethene	25.0	29.2		ug/L		117	73 - 127
trans-1,3-Dichloropropene	25.0	27.5		ug/L		110	80 - 120
Trichloroethene	25.0	28.6		ug/L		114	74 - 123
Trichlorofluoromethane	25.0	27.6		ug/L		110	62 - 150
Vinyl chloride	25.0	29.3		ug/L		117	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*
Toluene-d8 (Surr)	*113*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*111*		*75 - 123*

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

Lab Sample ID: MB 480-495467/8
Matrix: Water
Analysis Batch: 495467

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/02/19 21:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/02/19 21:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/02/19 21:41	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			10/02/19 21:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/02/19 21:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/02/19 21:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/02/19 21:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/02/19 21:41	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			10/02/19 21:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/02/19 21:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/02/19 21:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/02/19 21:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/02/19 21:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/02/19 21:41	1
2-Hexanone	ND		5.0	1.2	ug/L			10/02/19 21:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/02/19 21:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/02/19 21:41	1
Acetone	ND		10	3.0	ug/L			10/02/19 21:41	1
Benzene	ND		1.0	0.41	ug/L			10/02/19 21:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/02/19 21:41	1
Bromoform	ND		1.0	0.26	ug/L			10/02/19 21:41	1
Bromomethane	ND		1.0	0.69	ug/L			10/02/19 21:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/02/19 21:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/02/19 21:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/02/19 21:41	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/02/19 21:41	1
Chloroethane	ND		1.0	0.32	ug/L			10/02/19 21:41	1
Chloroform	ND		1.0	0.34	ug/L			10/02/19 21:41	1
Chloromethane	ND		1.0	0.35	ug/L			10/02/19 21:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/02/19 21:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/02/19 21:41	1
Cyclohexane	ND		1.0	0.18	ug/L			10/02/19 21:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/02/19 21:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/02/19 21:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/02/19 21:41	1
Methyl acetate	ND		1.3	1.3	ug/L			10/02/19 21:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/02/19 21:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/02/19 21:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/02/19 21:41	1
Styrene	ND		1.0	0.73	ug/L			10/02/19 21:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/02/19 21:41	1
Toluene	ND		1.0	0.51	ug/L			10/02/19 21:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/02/19 21:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/02/19 21:41	1
Trichloroethene	ND		1.0	0.46	ug/L			10/02/19 21:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/02/19 21:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/02/19 21:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/02/19 21:41	1

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

Lab Sample ID: MB 480-495467/8
Matrix: Water
Analysis Batch: 495467

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		10/02/19 21:41	1
Toluene-d8 (Surr)	101		80 - 120		10/02/19 21:41	1
4-Bromofluorobenzene (Surr)	107		73 - 120		10/02/19 21:41	1
Dibromofluoromethane (Surr)	103		75 - 123		10/02/19 21:41	1

Lab Sample ID: LCS 480-495467/6
Matrix: Water
Analysis Batch: 495467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.9		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	24.7		ug/L		99	61 - 148
1,1-Dichloroethane	25.0	23.5		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	23.8		ug/L		95	66 - 127
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.4		ug/L		90	56 - 134
1,2-Dibromoethane (EDB)	25.0	27.1		ug/L		108	77 - 120
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	25.1		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 120
2-Hexanone	125	146		ug/L		117	65 - 127
2-Butanone (MEK)	125	150		ug/L		120	57 - 140
4-Methyl-2-pentanone (MIBK)	125	139		ug/L		112	71 - 125
Acetone	125	160		ug/L		128	56 - 142
Benzene	25.0	24.4		ug/L		98	71 - 124
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Bromoform	25.0	26.5		ug/L		106	61 - 132
Bromomethane	25.0	22.6		ug/L		91	55 - 144
Carbon disulfide	25.0	22.5		ug/L		90	59 - 134
Carbon tetrachloride	25.0	24.9		ug/L		100	72 - 134
Chlorobenzene	25.0	27.0		ug/L		108	80 - 120
Chlorodibromomethane	25.0	27.3		ug/L		109	75 - 125
Chloroethane	25.0	21.0		ug/L		84	69 - 136
Chloroform	25.0	22.8		ug/L		91	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Cyclohexane	25.0	24.9		ug/L		100	59 - 135
Dichlorodifluoromethane	25.0	22.8		ug/L		91	59 - 135
Ethylbenzene	25.0	26.9		ug/L		108	77 - 123
Isopropylbenzene	25.0	24.4		ug/L		97	77 - 122
Methyl acetate	50.0	50.2		ug/L		100	74 - 133
Methyl tert-butyl ether	25.0	23.6		ug/L		95	77 - 120
Methylcyclohexane	25.0	24.3		ug/L		97	68 - 134

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

Lab Sample ID: LCS 480-495467/6
Matrix: Water
Analysis Batch: 495467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124
Styrene	25.0	27.0		ug/L		108	80 - 120
Tetrachloroethene	25.0	26.6		ug/L		107	74 - 122
Toluene	25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	23.1		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	25.6		ug/L		103	80 - 120
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	24.1		ug/L		96	62 - 150
Vinyl chloride	25.0	23.4		ug/L		94	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Lab Sample ID: 480-159721-12 MS
Matrix: Water
Analysis Batch: 495467

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	26.6		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	24.0		ug/L		96	76 - 120
1,1,2-Trichloroethane	ND		25.0	24.7		ug/L		99	76 - 122
1,1,2-Trichlorotrifluoroethane	ND		25.0	23.2		ug/L		93	61 - 148
1,1-Dichloroethane	ND		25.0	24.9		ug/L		100	77 - 120
1,1-Dichloroethene	ND		25.0	25.8		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	23.7		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	22.9		ug/L		91	56 - 134
1,2-Dibromoethane (EDB)	ND		25.0	25.8		ug/L		103	77 - 120
1,2-Dichlorobenzene	ND		25.0	24.6		ug/L		98	80 - 124
1,2-Dichloroethane	ND		25.0	25.0		ug/L		100	75 - 120
1,2-Dichloropropane	ND		25.0	26.4		ug/L		106	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.1		ug/L		100	77 - 120
1,4-Dichlorobenzene	ND		25.0	24.6		ug/L		98	78 - 124
2-Hexanone	ND		125	139		ug/L		111	65 - 127
2-Butanone (MEK)	ND		125	147		ug/L		117	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	136		ug/L		109	71 - 125
Acetone	ND		125	152		ug/L		122	56 - 142
Benzene	ND		25.0	26.1		ug/L		104	71 - 124
Bromodichloromethane	ND		25.0	24.9		ug/L		100	80 - 122
Bromoform	ND		25.0	23.5		ug/L		94	61 - 132
Bromomethane	ND		25.0	23.1		ug/L		92	55 - 144
Carbon disulfide	ND		25.0	23.2		ug/L		93	59 - 134
Carbon tetrachloride	ND		25.0	26.5		ug/L		106	72 - 134
Chlorobenzene	ND		25.0	26.1		ug/L		104	80 - 120
Chlorodibromomethane	ND		25.0	25.8		ug/L		103	75 - 125
Chloroethane	ND		25.0	22.5		ug/L		90	69 - 136

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

Lab Sample ID: 480-159721-12 MS
Matrix: Water
Analysis Batch: 495467

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		25.0	23.4		ug/L		93	73 - 127
Chloromethane	0.38	J	25.0	22.8		ug/L		90	68 - 124
cis-1,2-Dichloroethene	ND		25.0	25.5		ug/L		102	74 - 124
cis-1,3-Dichloropropene	ND		25.0	23.2		ug/L		93	74 - 124
Cyclohexane	ND		25.0	24.0		ug/L		96	59 - 135
Dichlorodifluoromethane	ND		25.0	19.6		ug/L		78	59 - 135
Ethylbenzene	ND		25.0	26.1		ug/L		105	77 - 123
Isopropylbenzene	ND		25.0	25.5		ug/L		102	77 - 122
Methyl acetate	ND		50.0	46.7		ug/L		93	74 - 133
Methyl tert-butyl ether	0.41	J	25.0	24.8		ug/L		98	77 - 120
Methylcyclohexane	ND		25.0	22.7		ug/L		91	68 - 134
Methylene Chloride	ND		25.0	25.8		ug/L		103	75 - 124
Styrene	ND		25.0	25.3		ug/L		101	80 - 120
Tetrachloroethene	ND		25.0	27.2		ug/L		109	74 - 122
Toluene	0.56	J	25.0	25.4		ug/L		99	80 - 122
trans-1,2-Dichloroethene	ND		25.0	25.3		ug/L		101	73 - 127
trans-1,3-Dichloropropene	ND		25.0	23.1		ug/L		93	80 - 120
Trichloroethene	ND		25.0	26.4		ug/L		106	74 - 123
Trichlorofluoromethane	ND		25.0	23.9		ug/L		96	62 - 150
Vinyl chloride	ND		25.0	24.8		ug/L		99	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-159721-12 MSD
Matrix: Water
Analysis Batch: 495467

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	23.2		ug/L		93	73 - 126	14	15
1,1,2,2-Tetrachloroethane	ND		25.0	23.2		ug/L		93	76 - 120	3	15
1,1,2-Trichloroethane	ND		25.0	24.1		ug/L		96	76 - 122	3	15
1,1,2-Trichlorotrifluoroethane	ND		25.0	21.6		ug/L		86	61 - 148	7	20
1,1-Dichloroethane	ND		25.0	22.9		ug/L		91	77 - 120	9	20
1,1-Dichloroethene	ND		25.0	22.9		ug/L		92	66 - 127	12	16
1,2,4-Trichlorobenzene	ND		25.0	22.6		ug/L		90	79 - 122	5	20
1,2-Dibromo-3-Chloropropane	ND		25.0	22.8		ug/L		91	56 - 134	0	15
1,2-Dibromoethane (EDB)	ND		25.0	25.4		ug/L		101	77 - 120	2	15
1,2-Dichlorobenzene	ND		25.0	23.0		ug/L		92	80 - 124	7	20
1,2-Dichloroethane	ND		25.0	24.2		ug/L		97	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	24.6		ug/L		98	76 - 120	7	20
1,3-Dichlorobenzene	ND		25.0	23.2		ug/L		93	77 - 120	8	20
1,4-Dichlorobenzene	ND		25.0	23.4		ug/L		94	78 - 124	5	20
2-Hexanone	ND		125	144		ug/L		116	65 - 127	4	15
2-Butanone (MEK)	ND		125	152		ug/L		121	57 - 140	3	20

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

Lab Sample ID: 480-159721-12 MSD
Matrix: Water
Analysis Batch: 495467

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		125	135		ug/L		108	71 - 125	1	35
Acetone	ND		125	157		ug/L		126	56 - 142	3	15
Benzene	ND		25.0	24.0		ug/L		96	71 - 124	8	13
Bromodichloromethane	ND		25.0	23.8		ug/L		95	80 - 122	5	15
Bromoform	ND		25.0	24.2		ug/L		97	61 - 132	3	15
Bromomethane	ND		25.0	22.1		ug/L		88	55 - 144	4	15
Carbon disulfide	ND		25.0	20.4		ug/L		81	59 - 134	13	15
Carbon tetrachloride	ND		25.0	23.6		ug/L		94	72 - 134	12	15
Chlorobenzene	ND		25.0	24.8		ug/L		99	80 - 120	5	25
Chlorodibromomethane	ND		25.0	25.2		ug/L		101	75 - 125	2	15
Chloroethane	ND		25.0	22.6		ug/L		90	69 - 136	1	15
Chloroform	ND		25.0	21.6		ug/L		86	73 - 127	8	20
Chloromethane	0.38	J	25.0	22.9		ug/L		90	68 - 124	0	15
cis-1,2-Dichloroethene	ND		25.0	22.8		ug/L		91	74 - 124	11	15
cis-1,3-Dichloropropene	ND		25.0	22.6		ug/L		90	74 - 124	3	15
Cyclohexane	ND		25.0	22.2		ug/L		89	59 - 135	8	20
Dichlorodifluoromethane	ND		25.0	21.8		ug/L		87	59 - 135	11	20
Ethylbenzene	ND		25.0	24.7		ug/L		99	77 - 123	6	15
Isopropylbenzene	ND		25.0	22.9		ug/L		91	77 - 122	11	20
Methyl acetate	ND		50.0	47.4		ug/L		95	74 - 133	1	20
Methyl tert-butyl ether	0.41	J	25.0	23.8		ug/L		93	77 - 120	4	37
Methylcyclohexane	ND		25.0	21.2		ug/L		85	68 - 134	7	20
Methylene Chloride	ND		25.0	23.2		ug/L		93	75 - 124	10	15
Styrene	ND		25.0	24.7		ug/L		99	80 - 120	2	20
Tetrachloroethene	ND		25.0	25.5		ug/L		102	74 - 122	6	20
Toluene	0.56	J	25.0	24.0		ug/L		94	80 - 122	6	15
trans-1,2-Dichloroethene	ND		25.0	22.5		ug/L		90	73 - 127	12	20
trans-1,3-Dichloropropene	ND		25.0	22.8		ug/L		91	80 - 120	2	15
Trichloroethene	ND		25.0	23.9		ug/L		96	74 - 123	10	16
Trichlorofluoromethane	ND		25.0	23.5		ug/L		94	62 - 150	2	20
Vinyl chloride	ND		25.0	24.6		ug/L		98	65 - 133	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-495673/28
Matrix: Water
Analysis Batch: 495673

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/03/19 13:56	1
Sulfate	ND		2.0	0.35	mg/L			10/03/19 13:56	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-495673/27
Matrix: Water
Analysis Batch: 495673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.51		mg/L		99	90 - 110
Sulfate	50.0	51.62		mg/L		103	90 - 110

Lab Sample ID: 480-159721-7 MS
Matrix: Water
Analysis Batch: 495673

Client Sample ID: MW-1D-092419
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	426		500	904.9		mg/L		96	81 - 120
Sulfate	203		500	716.0		mg/L		103	80 - 120

Lab Sample ID: MB 480-496156/28
Matrix: Water
Analysis Batch: 496156

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/05/19 16:59	1
Sulfate	ND		2.0	0.35	mg/L			10/05/19 16:59	1

Lab Sample ID: MB 480-496156/4
Matrix: Water
Analysis Batch: 496156

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/05/19 13:43	1
Sulfate	ND		2.0	0.35	mg/L			10/05/19 13:43	1

Lab Sample ID: LCS 480-496156/27
Matrix: Water
Analysis Batch: 496156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.21		mg/L		96	90 - 110
Sulfate	50.0	45.52		mg/L		91	90 - 110

Lab Sample ID: LCS 480-496156/3
Matrix: Water
Analysis Batch: 496156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.13		mg/L		96	90 - 110
Sulfate	50.0	47.19		mg/L		94	90 - 110

Lab Sample ID: 480-159721-12 MS
Matrix: Water
Analysis Batch: 496156

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	391		500	870.5		mg/L		96	81 - 120
Sulfate	210		500	670.8		mg/L		92	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 480-159721-12 MSD — **Client Sample ID: MW-10D-092519**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 496156

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	391		500	867.7		mg/L		95	81 - 120	0	15
Sulfate	210		500	670.2		mg/L		92	80 - 120	0	15

Lab Sample ID: 480-159721-18 MS — **Client Sample ID: X-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 496156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	187		250	423.8		mg/L		95	81 - 120
Sulfate	185		250	406.8		mg/L		89	80 - 120

Lab Sample ID: MB 480-496328/28 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 496328

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/07/19 16:04	1
Sulfate	ND		2.0	0.35	mg/L			10/07/19 16:04	1

Lab Sample ID: LCS 480-496328/27 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 496328

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.58		mg/L		99	90 - 110
Sulfate	50.0	47.26		mg/L		95	90 - 110

Method: 310.2_ASP - Alkalinity - Colorimetric

Lab Sample ID: MB 480-495855/49 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 495855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	ND		10.0	4.0	mg/L			10/03/19 23:58	1

Lab Sample ID: MB 480-495855/61 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 495855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	ND		10.0	4.0	mg/L			10/04/19 00:03	1

Lab Sample ID: MB 480-495855/71 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 495855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	ND		10.0	4.0	mg/L			10/04/19 00:06	1

Method: 310.2_ASP - Alkalinity - Colorimetric (Continued)

Lab Sample ID: MB 480-495855/80
Matrix: Water
Analysis Batch: 495855

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	ND		10.0	4.0	mg/L			10/04/19 00:22	1

Lab Sample ID: MB 480-495855/92
Matrix: Water
Analysis Batch: 495855

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	ND		10.0	4.0	mg/L			10/04/19 01:09	1

Lab Sample ID: LCS 480-495855/47
Matrix: Water
Analysis Batch: 495855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	51.74		mg/L		103	90 - 110

Lab Sample ID: LCS 480-495855/59
Matrix: Water
Analysis Batch: 495855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	50.69		mg/L		101	90 - 110

Lab Sample ID: LCS 480-495855/69
Matrix: Water
Analysis Batch: 495855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	51.08		mg/L		102	90 - 110

Lab Sample ID: LCS 480-495855/78
Matrix: Water
Analysis Batch: 495855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	51.99		mg/L		104	90 - 110

Lab Sample ID: LCS 480-495855/90
Matrix: Water
Analysis Batch: 495855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	53.07		mg/L		106	90 - 110

Lab Sample ID: 480-159721-12 MS
Matrix: Water
Analysis Batch: 495855

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	291		20.0	303.7	4	mg/L		65	60 - 140

Method: 310.2_ASP - Alkalinity - Colorimetric

Lab Sample ID: 480-159721-12 MSD
Matrix: Water
Analysis Batch: 495855

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Bicarbonate	291		20.0	301.0	4	mg/L		51	60 - 140	1	20

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-494180/27
Matrix: Water
Analysis Batch: 494180

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	0.0263	J	0.050	0.020	mg/L			09/25/19 22:51	1

Lab Sample ID: MB 480-494180/3
Matrix: Water
Analysis Batch: 494180

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	0.0222	J	0.050	0.020	mg/L			09/25/19 22:24	1

Lab Sample ID: LCS 480-494180/28
Matrix: Water
Analysis Batch: 494180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	1.50	1.41		mg/L		94	90 - 110

Lab Sample ID: LCS 480-494180/4
Matrix: Water
Analysis Batch: 494180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	1.50	1.48		mg/L		99	90 - 110

Lab Sample ID: 480-159721-12 MS
Matrix: Water
Analysis Batch: 494180

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	0.037	J B	1.00	0.996		mg/L		96	90 - 110

Lab Sample ID: 480-159721-12 MSD
Matrix: Water
Analysis Batch: 494180

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as N	0.037	J B	1.00	0.996		mg/L		96	90 - 110	0	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 480-495265/27
Matrix: Water
Analysis Batch: 495265

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

Lab Sample ID: MB 480-495265/3
Matrix: Water
Analysis Batch: 495265

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			10/01/19 13:44	1

Lab Sample ID: LCS 480-495265/28
Matrix: Water
Analysis Batch: 495265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	5.80	6.00		mg/L		103	90 - 110

Lab Sample ID: LCS 480-495265/4
Matrix: Water
Analysis Batch: 495265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	5.80	5.60		mg/L		97	90 - 110

Lab Sample ID: 480-159721-12 MS
Matrix: Water
Analysis Batch: 495265

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	ND		2.50	2.40		mg/L		96	40 - 150

Lab Sample ID: 480-159721-12 MSD
Matrix: Water
Analysis Batch: 495265

Client Sample ID: MW-10D-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	ND		2.50	2.40		mg/L		96	40 - 150	0	20

Lab Sample ID: 480-159721-17 MS
Matrix: Water
Analysis Batch: 495265

Client Sample ID: MW-6S-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	ND		2.50	2.40		mg/L		96	40 - 150

Lab Sample ID: 480-159721-7 DU
Matrix: Water
Analysis Batch: 495265

Client Sample ID: MW-1D-092419
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	ND		ND		mg/L		NC	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: 480-159721-16 DU
Matrix: Water
Analysis Batch: 495265

Client Sample ID: MW-5S-092519
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	1.2		1.20		mg/L		0	20

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 480-494635/2-A
Matrix: Water
Analysis Batch: 495540

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	ND		1.0	0.43	mg/L			09/28/19 00:15	1

Lab Sample ID: MB 480-494635/2-A
Matrix: Water
Analysis Batch: 495540

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	ND		1.0	0.43	mg/L			09/28/19 06:23	1

Lab Sample ID: MB 480-494635/2-A
Matrix: Water
Analysis Batch: 495540

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	ND		1.0	0.43	mg/L			09/28/19 12:31	1

Lab Sample ID: LCS 480-494635/3-A
Matrix: Water
Analysis Batch: 495540

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	60.0	59.16		mg/L		99	90 - 110

Lab Sample ID: LCS 480-494635/3-A
Matrix: Water
Analysis Batch: 495540

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	60.0	59.10		mg/L		99	90 - 110

Lab Sample ID: LCS 480-494635/3-A
Matrix: Water
Analysis Batch: 495540

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	60.0	58.99		mg/L		98	90 - 110

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: 480-159721-12 MS
Matrix: Water
Analysis Batch: 495540

Client Sample ID: MW-10D-092519
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Dissolved Organic Carbon - Duplicate	3.4		22.7	28.91		mg/L		112	54 - 131		

Lab Sample ID: 480-159721-12 MSD
Matrix: Water
Analysis Batch: 495540

Client Sample ID: MW-10D-092519
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dissolved Organic Carbon - Duplicate	3.4		22.7	28.46		mg/L		110	54 - 131	2	20

GC/MS VOA

Analysis Batch: 495137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-1	MW-7DD(2)-092419	Total/NA	Water	8260C	
480-159721-6	MW-8DD-092419	Total/NA	Water	8260C	
480-159721-7	MW-1D-092419	Total/NA	Water	8260C	
480-159721-11	MW-5D-092519	Total/NA	Water	8260C	
480-159721-12	MW-10D-092519	Total/NA	Water	8260C	
480-159721-14	MW-4D-092519	Total/NA	Water	8260C	
MB 480-495137/7	Method Blank	Total/NA	Water	8260C	
LCS 480-495137/9	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 495172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-19	QC-TRIP BLANK	Total/NA	Water	8260C	
MB 480-495172/8	Method Blank	Total/NA	Water	8260C	
LCS 480-495172/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-495172/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 495246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-16	MW-5S-092519	Total/NA	Water	8260C	
480-159721-17	MW-6S-092519	Total/NA	Water	8260C	
480-159721-18	X-1	Total/NA	Water	8260C	
MB 480-495246/8	Method Blank	Total/NA	Water	8260C	
LCS 480-495246/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 495354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-2	MW-8D-092419	Total/NA	Water	8260C	
480-159721-3	MW-7S-092419	Total/NA	Water	8260C	
480-159721-4	MW-8S-092419	Total/NA	Water	8260C	
480-159721-5	MW-7D-092419	Total/NA	Water	8260C	
480-159721-8	MW-6D-092419	Total/NA	Water	8260C	
480-159721-9	MW-1S-092419	Total/NA	Water	8260C	
480-159721-10	MW-6DD-092419	Total/NA	Water	8260C	
480-159721-13	MW-10S-092519	Total/NA	Water	8260C	
MB 480-495354/7	Method Blank	Total/NA	Water	8260C	
LCS 480-495354/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 495467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-15	MW-4S-092519	Total/NA	Water	8260C	
MB 480-495467/8	Method Blank	Total/NA	Water	8260C	
LCS 480-495467/6	Lab Control Sample	Total/NA	Water	8260C	
480-159721-12 MS	MW-10D-092519	Total/NA	Water	8260C	
480-159721-12 MSD	MW-10D-092519	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 494177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-1	MW-7DD(2)-092419	Total/NA	Water	353.2	
480-159721-2	MW-8D-092419	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 494177 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-3	MW-7S-092419	Total/NA	Water	353.2	
480-159721-4	MW-8S-092419	Total/NA	Water	353.2	
480-159721-5	MW-7D-092419	Total/NA	Water	353.2	
480-159721-6	MW-8DD-092419	Total/NA	Water	353.2	
480-159721-7	MW-1D-092419	Total/NA	Water	353.2	
480-159721-8	MW-6D-092419	Total/NA	Water	353.2	
480-159721-9	MW-1S-092419	Total/NA	Water	353.2	
480-159721-10	MW-6DD-092419	Total/NA	Water	353.2	
480-159721-11	MW-5D-092519	Total/NA	Water	353.2	
480-159721-12	MW-10D-092519	Total/NA	Water	353.2	
480-159721-13	MW-10S-092519	Total/NA	Water	353.2	
480-159721-14	MW-4D-092519	Total/NA	Water	353.2	
480-159721-15	MW-4S-092519	Total/NA	Water	353.2	
480-159721-16	MW-5S-092519	Total/NA	Water	353.2	
480-159721-17	MW-6S-092519	Total/NA	Water	353.2	
480-159721-18	X-1	Total/NA	Water	353.2	

Analysis Batch: 494178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-2	MW-8D-092419	Total/NA	Water	353.2	
480-159721-4	MW-8S-092419	Total/NA	Water	353.2	
480-159721-6	MW-8DD-092419	Total/NA	Water	353.2	
480-159721-7	MW-1D-092419	Total/NA	Water	353.2	
480-159721-8	MW-6D-092419	Total/NA	Water	353.2	
480-159721-9	MW-1S-092419	Total/NA	Water	353.2	
480-159721-10	MW-6DD-092419	Total/NA	Water	353.2	
480-159721-11	MW-5D-092519	Total/NA	Water	353.2	
480-159721-13	MW-10S-092519	Total/NA	Water	353.2	
480-159721-14	MW-4D-092519	Total/NA	Water	353.2	
480-159721-16	MW-5S-092519	Total/NA	Water	353.2	
480-159721-17	MW-6S-092519	Total/NA	Water	353.2	
480-159721-18	X-1	Total/NA	Water	353.2	

Analysis Batch: 494180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-1	MW-7DD(2)-092419	Total/NA	Water	353.2	
480-159721-3	MW-7S-092419	Total/NA	Water	353.2	
480-159721-5	MW-7D-092419	Total/NA	Water	353.2	
480-159721-12	MW-10D-092519	Total/NA	Water	353.2	
480-159721-15	MW-4S-092519	Total/NA	Water	353.2	
MB 480-494180/27	Method Blank	Total/NA	Water	353.2	
MB 480-494180/3	Method Blank	Total/NA	Water	353.2	
LCS 480-494180/28	Lab Control Sample	Total/NA	Water	353.2	
LCS 480-494180/4	Lab Control Sample	Total/NA	Water	353.2	
480-159721-12 MS	MW-10D-092519	Total/NA	Water	353.2	
480-159721-12 MSD	MW-10D-092519	Total/NA	Water	353.2	

Filtration Batch: 494635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-494635/2-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-494635/3-A	Lab Control Sample	Dissolved	Water	FILTRATION	

General Chemistry

Analysis Batch: 495265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-1	MW-7DD(2)-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-2	MW-8D-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-3	MW-7S-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-4	MW-8S-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-5	MW-7D-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-6	MW-8DD-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-7	MW-1D-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-8	MW-6D-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-9	MW-1S-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-10	MW-6DD-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-11	MW-5D-092519	Total/NA	Water	SM 4500 S2 F	
480-159721-12	MW-10D-092519	Total/NA	Water	SM 4500 S2 F	
480-159721-13	MW-10S-092519	Total/NA	Water	SM 4500 S2 F	
480-159721-14	MW-4D-092519	Total/NA	Water	SM 4500 S2 F	
480-159721-15	MW-4S-092519	Total/NA	Water	SM 4500 S2 F	
480-159721-16	MW-5S-092519	Total/NA	Water	SM 4500 S2 F	
480-159721-17	MW-6S-092519	Total/NA	Water	SM 4500 S2 F	
480-159721-18	X-1	Total/NA	Water	SM 4500 S2 F	
MB 480-495265/27	Method Blank	Total/NA	Water	SM 4500 S2 F	
MB 480-495265/3	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 480-495265/28	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCS 480-495265/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
480-159721-12 MS	MW-10D-092519	Total/NA	Water	SM 4500 S2 F	
480-159721-12 MSD	MW-10D-092519	Total/NA	Water	SM 4500 S2 F	
480-159721-17 MS	MW-6S-092519	Total/NA	Water	SM 4500 S2 F	
480-159721-7 DU	MW-1D-092419	Total/NA	Water	SM 4500 S2 F	
480-159721-16 DU	MW-5S-092519	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 495540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-1	MW-7DD(2)-092419	Dissolved	Water	SM 5310C	
480-159721-2	MW-8D-092419	Dissolved	Water	SM 5310C	
480-159721-3	MW-7S-092419	Dissolved	Water	SM 5310C	
480-159721-4	MW-8S-092419	Dissolved	Water	SM 5310C	
480-159721-5	MW-7D-092419	Dissolved	Water	SM 5310C	
480-159721-6	MW-8DD-092419	Dissolved	Water	SM 5310C	
480-159721-7	MW-1D-092419	Dissolved	Water	SM 5310C	
480-159721-8	MW-6D-092419	Dissolved	Water	SM 5310C	
480-159721-9	MW-1S-092419	Dissolved	Water	SM 5310C	
480-159721-10	MW-6DD-092419	Dissolved	Water	SM 5310C	
480-159721-11	MW-5D-092519	Dissolved	Water	SM 5310C	
480-159721-12	MW-10D-092519	Dissolved	Water	SM 5310C	
480-159721-13	MW-10S-092519	Dissolved	Water	SM 5310C	
480-159721-14	MW-4D-092519	Dissolved	Water	SM 5310C	
480-159721-15	MW-4S-092519	Dissolved	Water	SM 5310C	
480-159721-16	MW-5S-092519	Dissolved	Water	SM 5310C	
480-159721-17	MW-6S-092519	Dissolved	Water	SM 5310C	
480-159721-18	X-1	Dissolved	Water	SM 5310C	
MB 480-494635/2-A	Method Blank	Dissolved	Water	SM 5310C	494635
MB 480-494635/2-A	Method Blank	Dissolved	Water	SM 5310C	494635
MB 480-494635/2-A	Method Blank	Dissolved	Water	SM 5310C	494635

General Chemistry (Continued)

Analysis Batch: 495540 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-494635/3-A	Lab Control Sample	Dissolved	Water	SM 5310C	494635
LCS 480-494635/3-A	Lab Control Sample	Dissolved	Water	SM 5310C	494635
LCS 480-494635/3-A	Lab Control Sample	Dissolved	Water	SM 5310C	494635
480-159721-12 MS	MW-10D-092519	Dissolved	Water	SM 5310C	
480-159721-12 MSD	MW-10D-092519	Dissolved	Water	SM 5310C	

Analysis Batch: 495673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-1	MW-7DD(2)-092419	Total/NA	Water	300.0	
480-159721-2	MW-8D-092419	Total/NA	Water	300.0	
480-159721-3	MW-7S-092419	Total/NA	Water	300.0	
480-159721-4	MW-8S-092419	Total/NA	Water	300.0	
480-159721-5	MW-7D-092419	Total/NA	Water	300.0	
480-159721-6	MW-8DD-092419	Total/NA	Water	300.0	
480-159721-7	MW-1D-092419	Total/NA	Water	300.0	
MB 480-495673/28	Method Blank	Total/NA	Water	300.0	
LCS 480-495673/27	Lab Control Sample	Total/NA	Water	300.0	
480-159721-7 MS	MW-1D-092419	Total/NA	Water	300.0	

Analysis Batch: 495855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-1	MW-7DD(2)-092419	Total/NA	Water	310.2_ASP	
480-159721-2	MW-8D-092419	Total/NA	Water	310.2_ASP	
480-159721-3	MW-7S-092419	Total/NA	Water	310.2_ASP	
480-159721-4	MW-8S-092419	Total/NA	Water	310.2_ASP	
480-159721-5	MW-7D-092419	Total/NA	Water	310.2_ASP	
480-159721-6	MW-8DD-092419	Total/NA	Water	310.2_ASP	
480-159721-7	MW-1D-092419	Total/NA	Water	310.2_ASP	
480-159721-8	MW-6D-092419	Total/NA	Water	310.2_ASP	
480-159721-9	MW-1S-092419	Total/NA	Water	310.2_ASP	
480-159721-10	MW-6DD-092419	Total/NA	Water	310.2_ASP	
480-159721-11	MW-5D-092519	Total/NA	Water	310.2_ASP	
480-159721-12	MW-10D-092519	Total/NA	Water	310.2_ASP	
480-159721-13	MW-10S-092519	Total/NA	Water	310.2_ASP	
480-159721-14	MW-4D-092519	Total/NA	Water	310.2_ASP	
480-159721-15	MW-4S-092519	Total/NA	Water	310.2_ASP	
480-159721-16	MW-5S-092519	Total/NA	Water	310.2_ASP	
480-159721-17	MW-6S-092519	Total/NA	Water	310.2_ASP	
480-159721-18	X-1	Total/NA	Water	310.2_ASP	
MB 480-495855/49	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-495855/61	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-495855/71	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-495855/80	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-495855/92	Method Blank	Total/NA	Water	310.2_ASP	
LCS 480-495855/47	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-495855/59	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-495855/69	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-495855/78	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-495855/90	Lab Control Sample	Total/NA	Water	310.2_ASP	
480-159721-12 MS	MW-10D-092519	Total/NA	Water	310.2_ASP	
480-159721-12 MSD	MW-10D-092519	Total/NA	Water	310.2_ASP	

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

General Chemistry

Analysis Batch: 496156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-8	MW-6D-092419	Total/NA	Water	300.0	
480-159721-9	MW-1S-092419	Total/NA	Water	300.0	
480-159721-10	MW-6DD-092419	Total/NA	Water	300.0	
480-159721-11	MW-5D-092519	Total/NA	Water	300.0	
480-159721-12	MW-10D-092519	Total/NA	Water	300.0	
480-159721-13	MW-10S-092519	Total/NA	Water	300.0	
480-159721-14	MW-4D-092519	Total/NA	Water	300.0	
480-159721-15	MW-4S-092519	Total/NA	Water	300.0	
480-159721-16	MW-5S-092519	Total/NA	Water	300.0	
480-159721-18	X-1	Total/NA	Water	300.0	
MB 480-496156/28	Method Blank	Total/NA	Water	300.0	
MB 480-496156/4	Method Blank	Total/NA	Water	300.0	
LCS 480-496156/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-496156/3	Lab Control Sample	Total/NA	Water	300.0	
480-159721-12 MS	MW-10D-092519	Total/NA	Water	300.0	
480-159721-12 MSD	MW-10D-092519	Total/NA	Water	300.0	
480-159721-18 MS	X-1	Total/NA	Water	300.0	

Analysis Batch: 496328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159721-17	MW-6S-092519	Total/NA	Water	300.0	
MB 480-496328/28	Method Blank	Total/NA	Water	300.0	
LCS 480-496328/27	Lab Control Sample	Total/NA	Water	300.0	

Client Sample ID: MW-7DD(2)-092419

Lab Sample ID: 480-159721-1

Date Collected: 09/24/19 09:05

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495137	10/01/19 14:00	RJF	TAL BUF
Total/NA	Analysis	300.0		10	495673	10/03/19 15:43	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:00	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:31	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494180	09/25/19 22:44	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 11:14	CLA	TAL BUF

Client Sample ID: MW-8D-092419

Lab Sample ID: 480-159721-2

Date Collected: 09/24/19 09:45

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495354	10/02/19 11:18	KMN	TAL BUF
Total/NA	Analysis	300.0		10	495673	10/03/19 15:51	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:00	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:32	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494178	09/25/19 21:32	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 11:30	CLA	TAL BUF

Client Sample ID: MW-7S-092419

Lab Sample ID: 480-159721-3

Date Collected: 09/24/19 10:46

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495354	10/02/19 11:41	KMN	TAL BUF
Total/NA	Analysis	300.0		5	495673	10/03/19 15:59	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:00	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:34	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494180	09/25/19 22:45	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 11:45	CLA	TAL BUF

Client Sample ID: MW-8S-092419

Lab Sample ID: 480-159721-4

Date Collected: 09/24/19 11:40

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495354	10/02/19 12:04	KMN	TAL BUF
Total/NA	Analysis	300.0		2	495673	10/03/19 16:07	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:01	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:35	BEF	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Client Sample ID: MW-8S-092419

Lab Sample ID: 480-159721-4

Date Collected: 09/24/19 11:40

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	494178	09/25/19 21:35	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 13:48	CLA	TAL BUF

Client Sample ID: MW-7D-092419

Lab Sample ID: 480-159721-5

Date Collected: 09/24/19 11:55

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495354	10/02/19 12:27	KMN	TAL BUF
Total/NA	Analysis	300.0		2	495673	10/03/19 16:15	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:01	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:41	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494180	09/25/19 22:46	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 14:03	CLA	TAL BUF

Client Sample ID: MW-8DD-092419

Lab Sample ID: 480-159721-6

Date Collected: 09/24/19 13:05

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495137	10/01/19 16:01	RJF	TAL BUF
Total/NA	Analysis	300.0		5	495673	10/03/19 16:23	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:01	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:44	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494178	09/25/19 21:44	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 14:19	CLA	TAL BUF

Client Sample ID: MW-1D-092419

Lab Sample ID: 480-159721-7

Date Collected: 09/24/19 14:00

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495137	10/01/19 16:25	RJF	TAL BUF
Total/NA	Analysis	300.0		10	495673	10/03/19 16:32	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:02	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:45	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494178	09/25/19 21:45	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 14:35	CLA	TAL BUF

Client Sample ID: MW-6D-092419

Lab Sample ID: 480-159721-8

Date Collected: 09/24/19 14:40

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495354	10/02/19 12:50	KMN	TAL BUF
Total/NA	Analysis	300.0		5	496156	10/05/19 15:13	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:02	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:46	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494178	09/25/19 21:46	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 14:50	CLA	TAL BUF

Client Sample ID: MW-1S-092419

Lab Sample ID: 480-159721-9

Date Collected: 09/24/19 15:00

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	495354	10/02/19 13:13	KMN	TAL BUF
Total/NA	Analysis	300.0		20	496156	10/05/19 15:21	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:28	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:47	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494178	09/25/19 21:47	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 15:36	CLA	TAL BUF

Client Sample ID: MW-6DD-092419

Lab Sample ID: 480-159721-10

Date Collected: 09/24/19 16:10

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495354	10/02/19 13:36	KMN	TAL BUF
Total/NA	Analysis	300.0		10	496156	10/05/19 15:29	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:03	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:49	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494178	09/25/19 21:49	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 15:51	CLA	TAL BUF

Client Sample ID: MW-5D-092519

Lab Sample ID: 480-159721-11

Date Collected: 09/25/19 09:10

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495137	10/01/19 18:01	RJF	TAL BUF
Total/NA	Analysis	300.0		5	496156	10/05/19 15:38	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:03	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:52	BEF	TAL BUF

Client Sample ID: MW-5D-092519

Lab Sample ID: 480-159721-11

Date Collected: 09/25/19 09:10

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	494178	09/25/19 21:52	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 16:07	CLA	TAL BUF

Client Sample ID: MW-10D-092519

Lab Sample ID: 480-159721-12

Date Collected: 09/25/19 09:10

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495137	10/01/19 18:25	RJF	TAL BUF
Total/NA	Analysis	300.0		10	496156	10/05/19 17:48	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:04	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:53	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494180	09/25/19 22:53	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 13:02	CLA	TAL BUF

Client Sample ID: MW-10S-092519

Lab Sample ID: 480-159721-13

Date Collected: 09/25/19 10:40

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495354	10/02/19 13:59	KMN	TAL BUF
Total/NA	Analysis	300.0		5	496156	10/05/19 15:46	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:05	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:56	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494178	09/25/19 21:56	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 16:22	CLA	TAL BUF

Client Sample ID: MW-4D-092519

Lab Sample ID: 480-159721-14

Date Collected: 09/25/19 12:10

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495137	10/01/19 19:14	RJF	TAL BUF
Total/NA	Analysis	300.0		10	496156	10/05/19 15:54	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:05	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:58	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494178	09/25/19 21:58	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 16:38	CLA	TAL BUF

Client Sample ID: MW-4S-092519

Lab Sample ID: 480-159721-15

Date Collected: 09/25/19 12:40

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495467	10/03/19 04:31	BTP	TAL BUF
Total/NA	Analysis	300.0		10	496156	10/05/19 16:02	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:05	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 21:59	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494180	09/25/19 22:47	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 16:53	CLA	TAL BUF

Client Sample ID: MW-5S-092519

Lab Sample ID: 480-159721-16

Date Collected: 09/25/19 13:00

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495246	10/02/19 03:56	AMM	TAL BUF
Total/NA	Analysis	300.0		5	496156	10/05/19 16:10	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:06	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 22:00	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494178	09/25/19 22:00	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 17:09	CLA	TAL BUF

Client Sample ID: MW-6S-092519

Lab Sample ID: 480-159721-17

Date Collected: 09/25/19 14:10

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495246	10/02/19 04:20	AMM	TAL BUF
Total/NA	Analysis	300.0		5	496328	10/07/19 18:15	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:06	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 22:01	BEF	TAL BUF
Total/NA	Analysis	353.2		1	494178	09/25/19 22:01	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 17:24	CLA	TAL BUF

Client Sample ID: X-1

Lab Sample ID: 480-159721-18

Date Collected: 09/25/19 00:00

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495246	10/02/19 04:44	AMM	TAL BUF
Total/NA	Analysis	300.0		5	496156	10/05/19 16:18	IMZ	TAL BUF
Total/NA	Analysis	310.2_ASP		5	495855	10/04/19 00:07	SRW	TAL BUF
Total/NA	Analysis	353.2		1	494177	09/25/19 22:02	BEF	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Client Sample ID: X-1

Lab Sample ID: 480-159721-18

Date Collected: 09/25/19 00:00

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	494178	09/25/19 22:02	BEF	TAL BUF
Total/NA	Analysis	SM 4500 S2 F		1	495265	10/01/19 13:44	MJB	TAL BUF
Dissolved	Analysis	SM 5310C		1	495540	09/28/19 17:39	CLA	TAL BUF

Client Sample ID: QC-TRIP BLANK

Lab Sample ID: 480-159721-19

Date Collected: 09/25/19 00:00

Matrix: Water

Date Received: 09/25/19 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495172	10/01/19 17:08	OMI	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 5310C		Water	Dissolved Organic Carbon - Duplicate

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
310.2_ASP	Alkalinity - Colorimetric	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
SM 4500 S2 F	Sulfide, Total	SM	TAL BUF
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: Forest Glen Monitoring

Job ID: 480-159721-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-159721-1	MW-7DD(2)-092419	Water	09/24/19 09:05	09/25/19 16:30	
480-159721-2	MW-8D-092419	Water	09/24/19 09:45	09/25/19 16:30	
480-159721-3	MW-7S-092419	Water	09/24/19 10:46	09/25/19 16:30	
480-159721-4	MW-8S-092419	Water	09/24/19 11:40	09/25/19 16:30	
480-159721-5	MW-7D-092419	Water	09/24/19 11:55	09/25/19 16:30	
480-159721-6	MW-8DD-092419	Water	09/24/19 13:05	09/25/19 16:30	
480-159721-7	MW-1D-092419	Water	09/24/19 14:00	09/25/19 16:30	
480-159721-8	MW-6D-092419	Water	09/24/19 14:40	09/25/19 16:30	
480-159721-9	MW-1S-092419	Water	09/24/19 15:00	09/25/19 16:30	
480-159721-10	MW-6DD-092419	Water	09/24/19 16:10	09/25/19 16:30	
480-159721-11	MW-5D-092519	Water	09/25/19 09:10	09/25/19 16:30	
480-159721-12	MW-10D-092519	Water	09/25/19 09:10	09/25/19 16:30	
480-159721-13	MW-10S-092519	Water	09/25/19 10:40	09/25/19 16:30	
480-159721-14	MW-4D-092519	Water	09/25/19 12:10	09/25/19 16:30	
480-159721-15	MW-4S-092519	Water	09/25/19 12:40	09/25/19 16:30	
480-159721-16	MW-5S-092519	Water	09/25/19 13:00	09/25/19 16:30	
480-159721-17	MW-6S-092519	Water	09/25/19 14:10	09/25/19 16:30	
480-159721-18	X-1	Water	09/25/19 00:00	09/25/19 16:30	
480-159721-19	QC-TRIP BLANK	Water	09/25/19 00:00	09/25/19 16:30	

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-159721-1
Project/Site: Forest Glen Monitoring

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	Methyl acetate	Water	Total/NA	ug/L	1.3	2.5

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: SOM/MK	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-135838-27221.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 12
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Monitoring	Project #: 48002808			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; Dodecahydrate; ie; 3; specify)

480-159721 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	300.0_28D - Cl, SO4	353.2, 353.2_Nitrite, Nitrate_Calc	SM5310_DOC_C - Dissolved Organic Carbon	310.2 - Alkalinity	SM4500_S2_D - Total Sulfide	8260C - TCL Volatiles	Total Nu	Special Instructions/Note:
			Preservation Code:				A	N	N	A	N	CB	A		
MW-7DD(2)-092419	09/24/19	9:05	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-8D-092419	09/24/19	9:45	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-7S-092419	09/24/19	10:46	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-8S-092419	09/24/19	11:40	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-7D-092419	09/24/19	11:55	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-8DD-092419	09/24/19	13:05	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-1D-092419	09/24/19	14:00	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-6D-092419	09/24/19	14:40	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-1S-092419	09/24/19	15:00	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-6DD-092419	09/24/19	16:10	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-5D-092519	09/25/19	9:10	G	Water	Y/N	N	X	X	X	X	X	X		10	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Kunkel	9-25-19/1630	OBG			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				9-25-19 1630	TAB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.7 2.9 3.0 #1

Ver: 01/16/2019

10/9/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: SGM/MK	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-135838-27221.2
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Monitoring	Project #: 48002808			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	300.0_28D - Cl, SO4	353.2, 353.2_Nitrite, Nitrate_Calc	SM5310_DOC_C - Dissolved Organic Carbon	310.2 - Alkalinity	SM4500_S2_D - Total Sulfide	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	N	N	A	N	CB	A	X	
MW-10D-092519	09/25/19	9:10	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-10D-092519-MS	09/25/19	9:10	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-10D-092519-MSD	09/25/19	9:10	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-10S-092519	09/25/19	1040	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-4D-092519	09/25/19	12:10	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-4S-092519	09/25/19	12:40	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-5S-092519	09/25/19	13:00	G	Water	Y/N	N	X	X	X	X	X	X		10	
MW-6S-092519	09/25/19	14:10	G	Water	Y/N	N	X	X	X	X	X	X		10	
X-1	09/25/19	—	G	Water	Y/N	N	X	X	X	X	X	X		10	
QC-TRIPBLANK	09/25/19	—	—	Water	N	N							X	4	
				Water											

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Mark Koenke	Date/Time: 9-25-19 / 1630	Company: OBG	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 9-25-19 1630	Company: TAB
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.7 2.9 3.0 #1		

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-159721-1

Login Number: 159721

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

October 10, 2019

David Carnevale
O'Brien & Gere
333 W Washington St
Syracuse, NY 13202

RE: **FOREST GLEN MONITORING**

Pace Workorder: 31578

Dear David Carnevale:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, September 30, 2019. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ruth Welsh 10/10/2019
Ruth.Welsh@pacelabs.com

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email PAESfeedback@pacelabs.com.

Total Number of Pages 35

CERTIFICATE OF ANALYSIS

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water
Accreditor:	West Virginia Department of Environmental Protection, Division of Water and Waste Management
Accreditation ID:	395
Scope:	Non-Potable Water
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	State of Virginia
Accreditation ID:	460201
Scope:	Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, PAES is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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SAMPLE SUMMARY

Workorder: 31578 FOREST GLEN MONITORING

Lab ID	Sample ID	Matrix	Date Collected	Date Received
315780001	MW-5D-092519	Water	9/25/2019 09:10	9/30/2019 10:00
315780002	MW-10D-092519	Water	9/25/2019 09:10	9/30/2019 10:00
315780003	MW-10D-092519 MS	Water	9/25/2019 09:10	9/30/2019 10:00
315780004	MW-10D-092519 MSD	Water	9/25/2019 09:10	9/30/2019 10:00
315780005	MW-10S-092519	Water	9/25/2019 10:40	9/30/2019 10:00
315780006	MW-4D-092519	Water	9/25/2019 12:10	9/30/2019 10:00
315780007	MW-4S-092519	Water	9/25/2019 12:40	9/30/2019 10:00
315780008	MW-5S-092519	Water	9/25/2019 13:00	9/30/2019 10:00
315780009	X-1	Water		9/30/2019 00:00
315780010	QC-TRIP BLANK	Water	9/25/2019 00:00	9/30/2019 10:00
315780011	MW-7DD(2)-092419	Water	9/24/2019 09:05	9/30/2019 10:00
315780012	MW-8D-092419	Water	9/24/2019 09:45	9/30/2019 10:00
315780013	MW-7S-092419	Water	9/24/2019 10:46	9/30/2019 10:00
315780014	MW-8S-092419	Water	9/24/2019 11:40	9/30/2019 10:00
315780015	MW-7D-092419	Water	9/24/2019 11:55	9/30/2019 10:00
315780016	MW-8DD-092419	Water	9/24/2019 13:05	9/30/2019 10:00
315780017	MW-1D-092419	Water	9/24/2019 14:00	9/30/2019 10:00
315780018	MW-6D-092419	Water	9/24/2019 14:40	9/30/2019 10:00
315780019	MW-1S-092419	Water	9/24/2019 15:00	9/30/2019 10:00
315780020	MW-6DD-092419	Water	9/24/2019 16:10	9/30/2019 10:00
315780021	MW-6S-092519	Water	9/25/2019 14:10	9/30/2019 10:00
315780022	TRIP BLANK	Water		9/30/2019 10:00

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PROJECT SUMMARY

Workorder: 31578 FOREST GLEN MONITORING

Workorder Comments

The samples 31578 (0010, 0022) were collected in a container type, not assigned to PAES method RSK175. The container specified in the method is preserved with TSP and capped with butyl septa, however the sample container provided was HCL preserved and capped with silicone septa.

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780001** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-5D-092519** Date Collected: 9/25/2019 09:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**59**	ug/l	0.50	0.067	1	10/8/2019 14:12	MM	B
Ethane	**0.062J**	ug/l	0.20	0.0060	1	10/8/2019 14:12	MM	B
Ethene	**0.014J**	ug/l	0.20	0.012	1	10/8/2019 14:12	MM	B

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780002** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-10D-092519** Date Collected: 9/25/2019 09:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**70**	ug/l	0.50	0.067	1	10/8/2019 14:23	MM	B
Ethane	**0.070J**	ug/l	0.20	0.0060	1	10/8/2019 14:23	MM	B
Ethene	**0.012U**	ug/l	0.20	0.012	1	10/8/2019 14:23	MM	B

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780003** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-10D-092519 MS** Date Collected: 9/25/2019 09:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**120**	ug/l	0.50	0.067	1	10/8/2019 14:33	MM	B
Ethane	**75**	ug/l	0.20	0.0060	1	10/8/2019 14:33	MM	B
Ethene	**72**	ug/l	0.20	0.012	1	10/8/2019 14:33	MM	B

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780004** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-10D-092519 MSD** Date Collected: 9/25/2019 09:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**120**	ug/l	0.50	0.067	1	10/8/2019 14:44	MM	B
Ethane	**75**	ug/l	0.20	0.0060	1	10/8/2019 14:44	MM	B
Ethene	**71**	ug/l	0.20	0.012	1	10/8/2019 14:44	MM	B

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780005** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-10S-092519** Date Collected: 9/25/2019 10:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**32**	ug/l	0.50	0.067	1	10/8/2019 14:55	MM	B
Ethane	**0.078J**	ug/l	0.20	0.0060	1	10/8/2019 14:55	MM	B
Ethene	**0.085J**	ug/l	0.20	0.012	1	10/8/2019 14:55	MM	B

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780006** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-4D-092519** Date Collected: 9/25/2019 12:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**36**	ug/l	0.50	0.067	1	10/8/2019 15:07	MM	B
Ethane	**0.18J**	ug/l	0.20	0.0060	1	10/8/2019 15:07	MM	B
Ethene	**0.012U**	ug/l	0.20	0.012	1	10/8/2019 15:07	MM	B

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780007** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-4S-092519** Date Collected: 9/25/2019 12:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**15**	ug/l	0.50	0.067	1	10/8/2019 15:17	MM	B
Ethane	**0.033J**	ug/l	0.20	0.0060	1	10/8/2019 15:17	MM	B
Ethene	**0.012U**	ug/l	0.20	0.012	1	10/8/2019 15:17	MM	B

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780008** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-5S-092519** Date Collected: 9/25/2019 13:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**6.2**	ug/l	0.50	0.067	1	10/8/2019 15:28	MM	B
Ethane	**0.028J**	ug/l	0.20	0.0060	1	10/8/2019 15:28	MM	B
Ethene	**0.093J**	ug/l	0.20	0.012	1	10/8/2019 15:28	MM	B

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780009** Date Received: 9/30/2019 00:00 Matrix: Water

Sample ID: **X-1** Date Collected:

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**58**	ug/l	0.50	0.067	1	10/8/2019 15:38	MM	B
Ethane	**0.063J**	ug/l	0.20	0.0060	1	10/8/2019 15:38	MM	B
Ethene	**0.021J**	ug/l	0.20	0.012	1	10/8/2019 15:38	MM	B

Pace Analytical Energy Services LLC
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Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780010** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **QC-TRIP BLANK** Date Collected: 9/25/2019 00:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.084J**	ug/l	0.50	0.067	1	10/8/2019 15:49	MM	B
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	10/8/2019 15:49	MM	B
Ethene	**0.012U**	ug/l	0.20	0.012	1	10/8/2019 15:49	MM	B

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780011** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-7DD(2)-092419** Date Collected: 9/24/2019 09:05

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**16**	ug/l	0.50	0.067	1	10/7/2019 09:40	AK	
Ethane	**0.40**	ug/l	0.20	0.0060	1	10/7/2019 09:40	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	10/7/2019 09:40	AK	D1

CERTIFICATE OF ANALYSIS

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780012** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-8D-092419** Date Collected: 9/24/2019 09:45

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**260**	ug/l	0.50	0.067	1	10/7/2019 09:51	AK	
Ethane	**0.20**	ug/l	0.20	0.0060	1	10/7/2019 09:51	AK	
Ethene	**0.019J**	ug/l	0.20	0.012	1	10/7/2019 09:51	AK	D1

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780013** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-7S-092419** Date Collected: 9/24/2019 10:46

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**56**	ug/l	0.50	0.067	1	10/7/2019 10:01	AK	
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	10/7/2019 10:01	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	10/7/2019 10:01	AK	D1

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780014** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-8S-092419** Date Collected: 9/24/2019 11:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**1.6**	ug/l	0.50	0.067	1	10/7/2019 10:12	AK	
Ethane	**0.010J**	ug/l	0.20	0.0060	1	10/7/2019 10:12	AK	
Ethene	**0.013J**	ug/l	0.20	0.012	1	10/7/2019 10:12	AK	D1

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780015** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-7D-092419** Date Collected: 9/24/2019 11:55

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**2.4**	ug/l	0.50	0.067	1	10/7/2019 10:22	AK	
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	10/7/2019 10:22	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	10/7/2019 10:22	AK	D1

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780016** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-8DD-092419** Date Collected: 9/24/2019 13:05

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**140**	ug/l	0.50	0.067	1	10/7/2019 11:06	AK	
Ethane	**0.16J**	ug/l	0.20	0.0060	1	10/7/2019 11:06	AK	
Ethene	**0.032J**	ug/l	0.20	0.012	1	10/7/2019 11:06	AK	D1

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780017** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-1D-092419** Date Collected: 9/24/2019 14:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**24**	ug/l	0.50	0.067	1	10/7/2019 11:17	AK	
Ethane	**0.058J**	ug/l	0.20	0.0060	1	10/7/2019 11:17	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	10/7/2019 11:17	AK	D1

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780018** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-6D-092419** Date Collected: 9/24/2019 14:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**170**	ug/l	0.50	0.067	1	10/7/2019 11:28	AK	
Ethane	**0.12J**	ug/l	0.20	0.0060	1	10/7/2019 11:28	AK	
Ethene	**0.040J**	ug/l	0.20	0.012	1	10/7/2019 11:28	AK	D1

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780019** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-1S-092419** Date Collected: 9/24/2019 15:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**6.2**	ug/l	0.50	0.067	1	10/7/2019 11:39	AK	
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	10/7/2019 11:39	AK	
Ethene	**0.012U**	ug/l	0.20	0.012	1	10/7/2019 11:39	AK	D1

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780020** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-6DD-092419** Date Collected: 9/24/2019 16:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**130**	ug/l	0.50	0.067	1	10/7/2019 11:49	AK	
Ethane	**0.21**	ug/l	0.20	0.0060	1	10/7/2019 11:49	AK	
Ethene	**0.34**	ug/l	0.20	0.012	1	10/7/2019 11:49	AK	D1

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780021** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **MW-6S-092519** Date Collected: 9/25/2019 14:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**80**	ug/l	0.50	0.067	1	10/7/2019 12:00	AK	
Ethane	**0.074J**	ug/l	0.20	0.0060	1	10/7/2019 12:00	AK	
Ethene	**0.14J**	ug/l	0.20	0.012	1	10/7/2019 12:00	AK	D1

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ANALYTICAL RESULTS

Workorder: 31578 FOREST GLEN MONITORING

Lab ID: **315780022** Date Received: 9/30/2019 10:00 Matrix: Water

Sample ID: **TRIP BLANK** Date Collected:

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.070J**	ug/l	0.50	0.067	1	10/8/2019 16:00	MM	B
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	10/8/2019 16:00	MM	B
Ethene	**0.012U**	ug/l	0.20	0.012	1	10/8/2019 16:00	MM	B

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 31578 FOREST GLEN MONITORING

DEFINITIONS/QUALIFIERS

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).
B	The analyte was detected in the associated blank.
D1	The duplicate relative percent difference (RPD) exceeded laboratory control limits.

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QUALITY CONTROL DATA

Workorder: 31578 FOREST GLEN MONITORING

QC Batch: DISG/7820 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 315780011, 315780012, 315780013, 315780014, 315780015, 315780016, 315780017, 315780018, 315780019, 315780020, 315780021

METHOD BLANK: 63609

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.067U	0.067	
Ethane	ug/l	0.0060U	0.0060	
Ethene	ug/l	0.012U	0.012	D1

LABORATORY CONTROL SAMPLE & LCSD: 63610 63611

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Methane	ug/l	44	43	44	97	98	85-115	0.5	20	
Ethane	ug/l	83	81	81	97	98	85-115	0.54	20	
Ethene	ug/l	78	78	79	101	102	85-115	0.85	20	D1

SAMPLE DUPLICATE: 63618 Original: 315780011

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	17	16	1.5	20	
Ethane	ug/l	.4	.4	1.2	20	
Ethene	ug/l	.009	.0073	21	20	D1

SAMPLE DUPLICATE: 63619 Original: 315780016

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	140	160	7.7	20	
Ethane	ug/l	.16	.16	3.6	20	
Ethene	ug/l	.032	.029	11	20	D1

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QUALITY CONTROL DATA

Workorder: 31578 FOREST GLEN MONITORING

QC Batch: DISG/7825 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 315780001, 315780002, 315780003, 315780004, 315780005, 315780006, 315780007, 315780008, 315780009, 315780010, 315780022

METHOD BLANK: 63648

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.14J	0.067	B
Ethane	ug/l	0.0072J	0.0060	B
Ethene	ug/l	0.028J	0.012	B

LABORATORY CONTROL SAMPLE & LCSD: 63649 63650

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Methane	ug/l	44	42	42	96	95	85-115	0.055	20	B
Ethane	ug/l	83	79	79	95	95	85-115	0.07	20	B
Ethene	ug/l	78	76	76	97	97	85-115	0.29	20	B

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 63651 63652 Original: 315780002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK											
Methane	ug/l	70	44	120	120	100	104	70-130	1.3	20	B
Ethane	ug/l	0.07	83	75	75	90	90	70-130	0.55	20	B
Ethene	ug/l	0	78	72	71	93	92	70-130	0.88	20	B

SAMPLE DUPLICATE: 63653 Original: 315450002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	500	520	3.5	20	B
Ethane	ug/l	5.1	5.2	2.7	20	B
Ethene	ug/l	20	21	3.4	20	B

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QUALITY CONTROL DATA QUALIFIERS

Workorder: 31578 FOREST GLEN MONITORING

QUALITY CONTROL PARAMETER QUALIFIERS

B	The analyte was detected in the associated blank.
D1	The duplicate relative percent difference (RPD) exceeded laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 31578 FOREST GLEN MONITORING

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
315780011	MW-7DD(2)-092419			EPA RSK175	DISG/7820
315780012	MW-8D-092419			EPA RSK175	DISG/7820
315780013	MW-7S-092419			EPA RSK175	DISG/7820
315780014	MW-8S-092419			EPA RSK175	DISG/7820
315780015	MW-7D-092419			EPA RSK175	DISG/7820
315780016	MW-8DD-092419			EPA RSK175	DISG/7820
315780017	MW-1D-092419			EPA RSK175	DISG/7820
315780018	MW-6D-092419			EPA RSK175	DISG/7820
315780019	MW-1S-092419			EPA RSK175	DISG/7820
315780020	MW-6DD-092419			EPA RSK175	DISG/7820
315780021	MW-6S-092519			EPA RSK175	DISG/7820
315780001	MW-5D-092519			EPA RSK175	DISG/7825
315780002	MW-10D-092519			EPA RSK175	DISG/7825
315780003	MW-10D-092519 MS			EPA RSK175	DISG/7825
315780004	MW-10D-092519 MSD			EPA RSK175	DISG/7825
315780005	MW-10S-092519			EPA RSK175	DISG/7825
315780006	MW-4D-092519			EPA RSK175	DISG/7825
315780007	MW-4S-092519			EPA RSK175	DISG/7825
315780008	MW-5S-092519			EPA RSK175	DISG/7825
315780009	X-1			EPA RSK175	DISG/7825
315780010	QC-TRIP BLANK			EPA RSK175	DISG/7825
315780022	TRIP BLANK			EPA RSK175	DISG/7825

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 31578 JW 9/30/19

ALL SHADED AREAS are for LAB USE ONLY

Company: RAMBOLL	Billing Information:
Address: 333 W. WASHINGTON ST	
Report To: YURI VELIZ	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: FOREST GLEN MONITORING	State: NY County/City: NIAGARA Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: 315-956-6100 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): SGM/MK	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (Signature):	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	MTBE, Propane, Acetone, Butane
MW-5D-092519	GW	G	09/25/19	9:10	—	—	—	—	X
MW-10D-092519	GW	G	9/25/19	9:10	—	—	—	—	X
MW-10D-092519-MS	GW	G	9/25/19	9:10	—	—	—	—	X
MW-10D-092519-MSD	GW	G	9/25/19	9:10	—	—	—	—	X
MW-10S-092519	GW	G	9/25/19	9:40	—	—	—	—	X
MW-4D-092519	GW	G	9/25/19	12:10	—	—	—	—	X
MW-4S-092519	GW	G	9/25/19	12:40	—	—	—	—	X
MW-55-092519	GW	G	9/25/19	13:00	—	—	—	—	X
X-1	GW	G	—	—	—	—	—	—	X
QC_TRIPBLANK	—	—	9/25/19	—	—	—	—	—	X

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: bubble wrap

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2318602

Samples received via: FEDEX UPS Client Courier (Pace Courier)

Lab Sample Temperature Info:
Temp Blank Received: (Y) N NA
Therm ID#: 4
Cooler 1 Temp Upon Receipt: ____oC
Cooler 1 Therm Corr. Factor: ____oC
Cooler 1 Corrected Temp: ____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[illegible]	[illegible]	PACE	9/26/19 8:00
Relinquished by/Company: (Signature)	Date/Time: 9-30-19 930	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: (Y) N NA
(HCL) MeOH TSP Other

Non Conformance(s): (YES) / NO

Page: ____ of: ____

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

JW 9/30/19

31578

ALL SHADED AREAS are for LAB USE ONLY

Company: RAMBOLL	Billing Information:
Address: 333 W. WASHINGTON ST.	
Report To: YURI VELIZ	Email To: YURI.VELIZ@RAMBOLL.COM
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: FOREST GLEN MONITORING	State: NY County/City: NIAGARA Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: ~~315~~ 315-956-6100 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): SGM/MK	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: M, E, E, Propane, Propene, Acetylene, Butane	Lab Sample # / Comments
MW-7DD(2)-092419	GW	G	9/24/19	9:05	—	—	—	—	X	
MW-8D-092419	GW	G	9/24/19	9:45	—	—	—	—	X	
MW-7S-092419	GW	G	9/24/19	10:46	—	—	—	—	X	
MW-8S-092419	GW	G	9/24/19	11:40	—	—	—	—	X	
MW-7D-092419	GW	G	9/24/19	11:55	—	—	—	—	X	
MW-8DD-092419	GW	G	9/24/19	13:05	—	—	—	—	X	
MW-1D-092419	GW	G	9/24/19	14:00	—	—	—	—	X	
MW-6D-092419	GW	G	9/24/19	14:40	—	—	—	—	X	
MW-1S-092419	GW	G	9/24/19	15:00	—	—	—	—	X	
MW-6DD-092419	GW	G	9/24/19	16:10	—	—	—	—	X	

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: bubble wrap

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2318400

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: 1 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[illegible]	[illegible]	PACE	9/26/19 8:00
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

NON-CONFORMANCE FORM

PAES Work Order #: 3958

Date: 9.30.19 Time of Receipt: 10:00 Receiver: LY

Client: Ramboll.

REASON FOR NON-CONFORMANCE:

1. Received 2 sets of Trip Blank. One was listed on COC, the other wasn't.
2. Also received sample MW65-092519 @ 14:10. Not on COC.
3. 2 sets of Trip Blank were in HCL vials with clear septa.

ACTION TAKEN:

Client name: Client emailed Date: Time:

Customer Service Initials: JW Date: 9.30.19

Joseph Ward - Forest Glen Monitoring

From: Joseph Ward
To: yuri.veliz@ramboll.com
Subject: Forest Glen Monitoring

Upon receiving your samples for the project referenced above, We noticed the following.

We received 2 sets of trip blanks one set was listed on the COC the other set was not. Can you confirm if we were suppose to receive this set of trip blanks?

We received sample MW6S-092519 collected at 14:10 but it is not on the COC. Can you confirm if we were suppose to receive this sample?

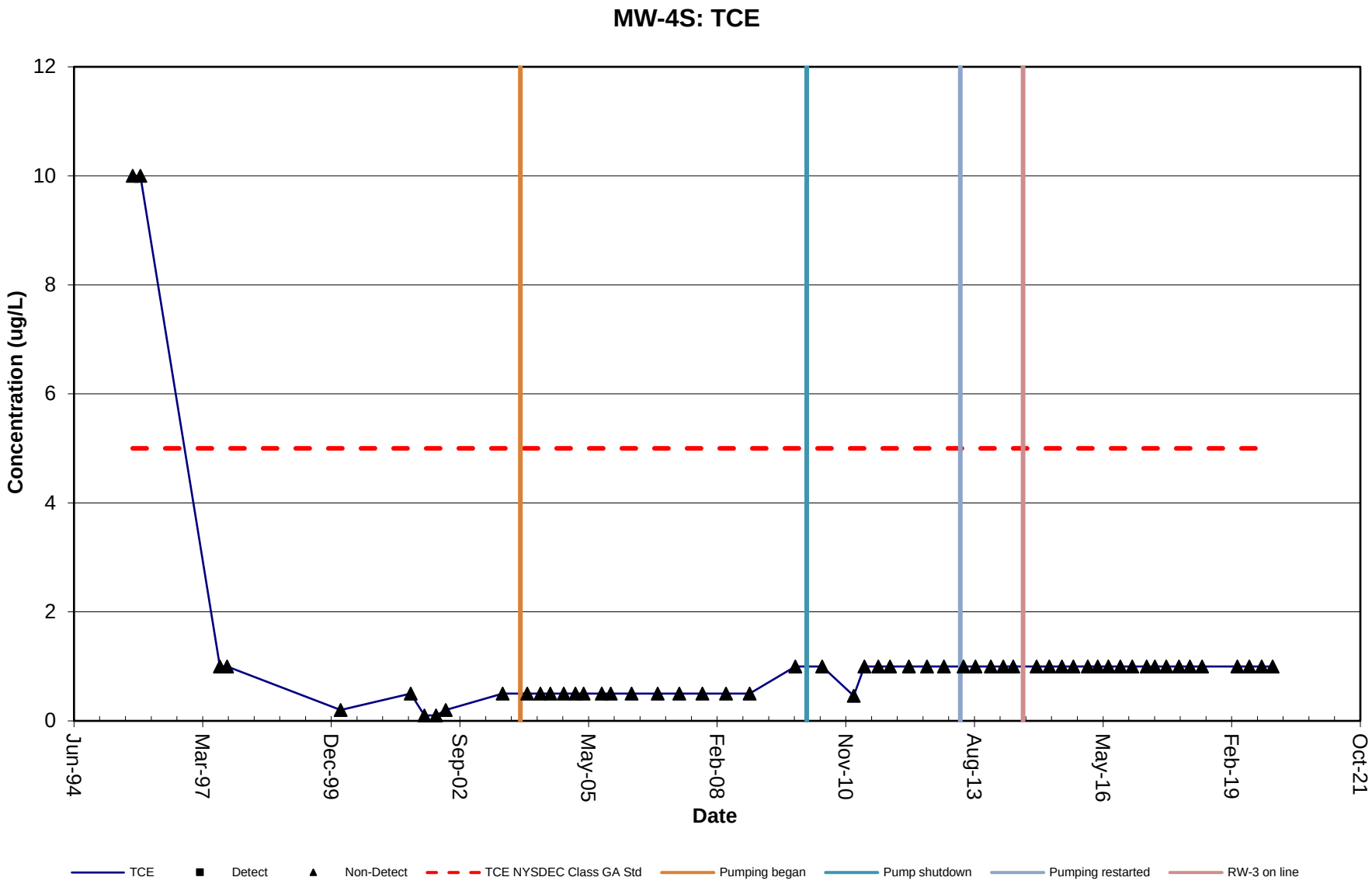
The Trip blanks that we received were preserved with HCL and a clear septa, Per our SOP the requested analysis suggests the samples be preserved with TSP and the septa be butyl. We can still run the analysis.

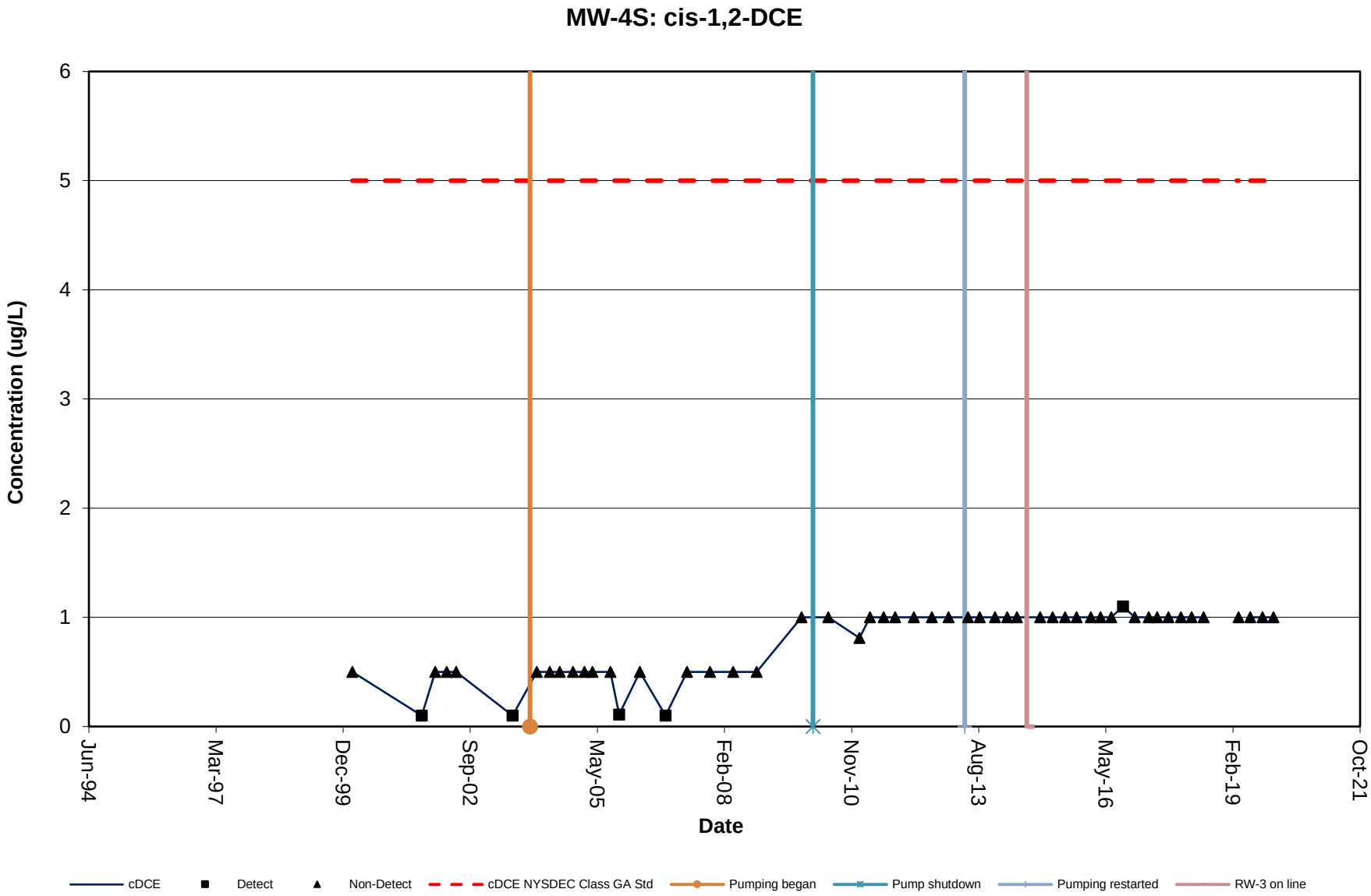
Thank you

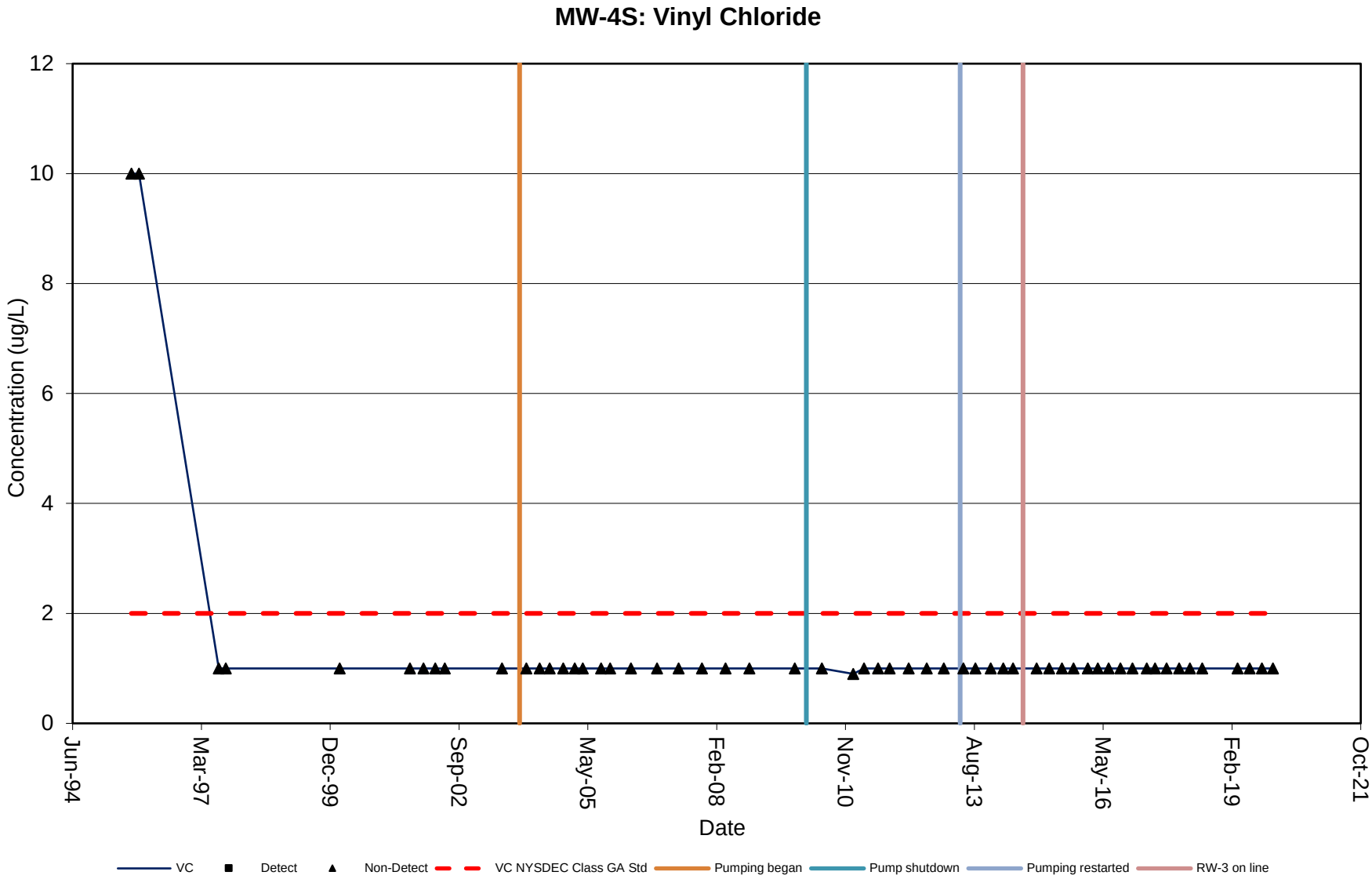
Joseph Ward
Customer Service
Pace Analytical Energy Services
220 William Pitt Way
Pittsburgh PA 15238
412-826-5245/412-826-2384(Direct)

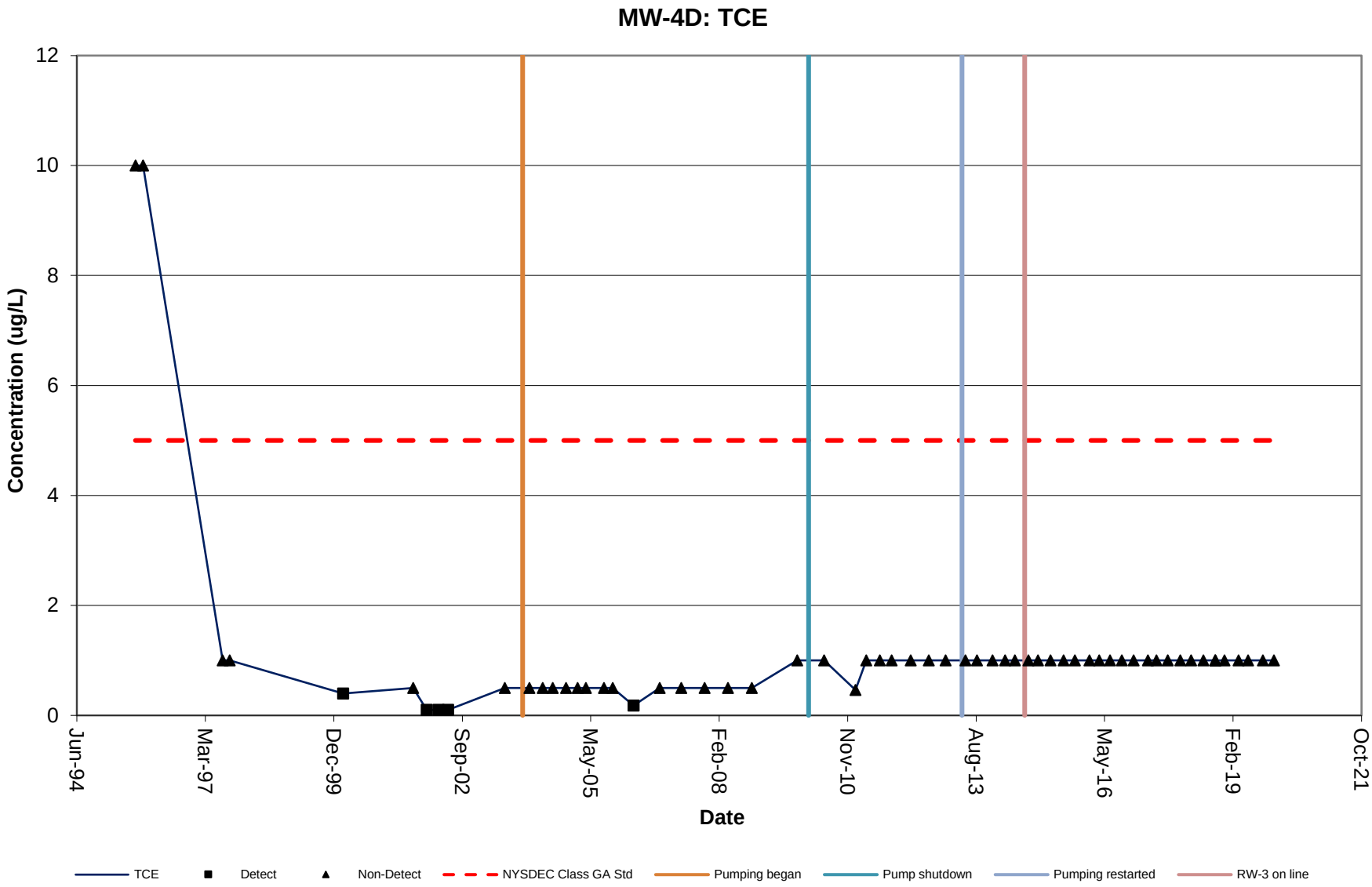
APPENDIX **D**

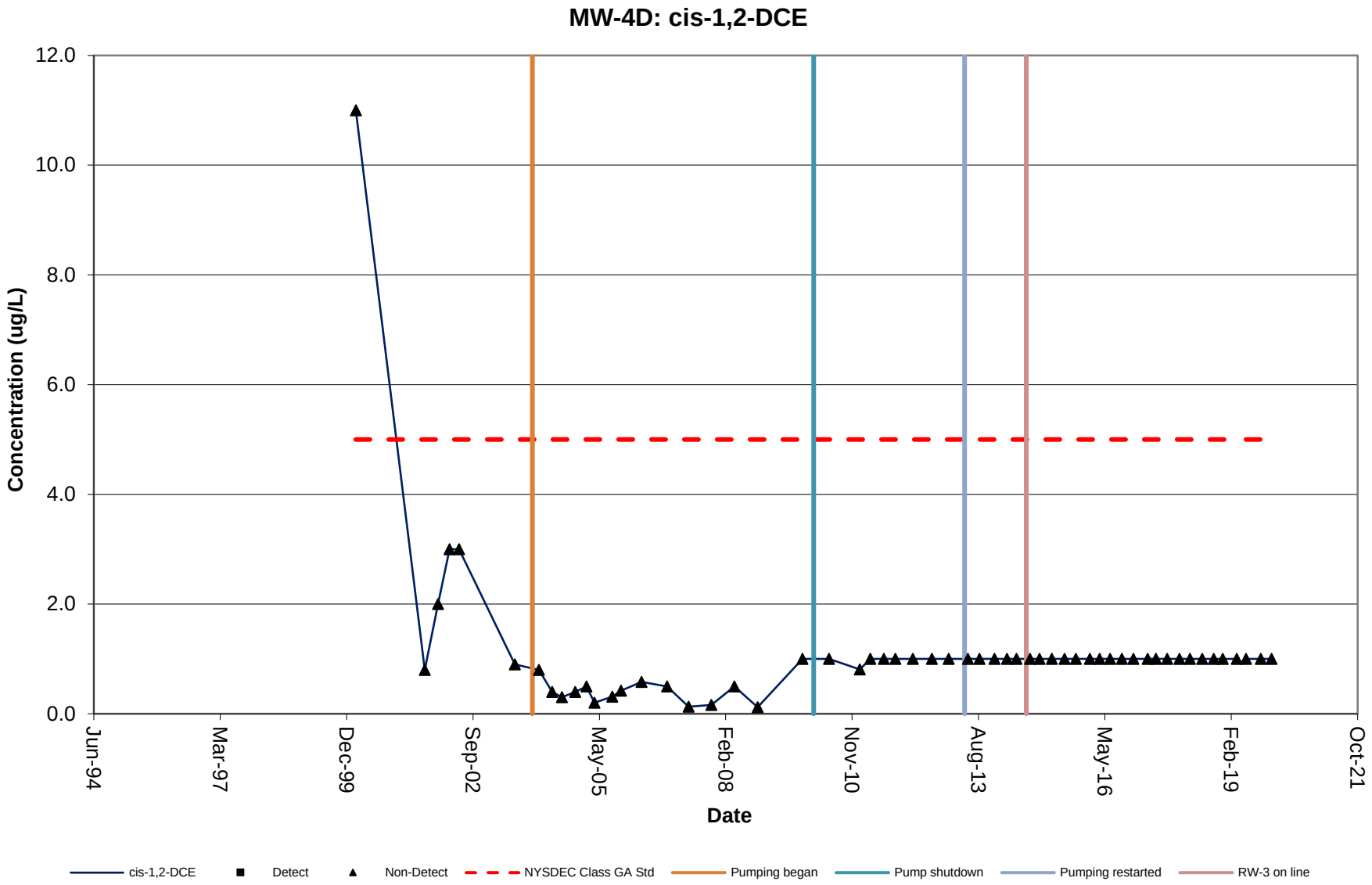
CONCENTRATION TRENDS

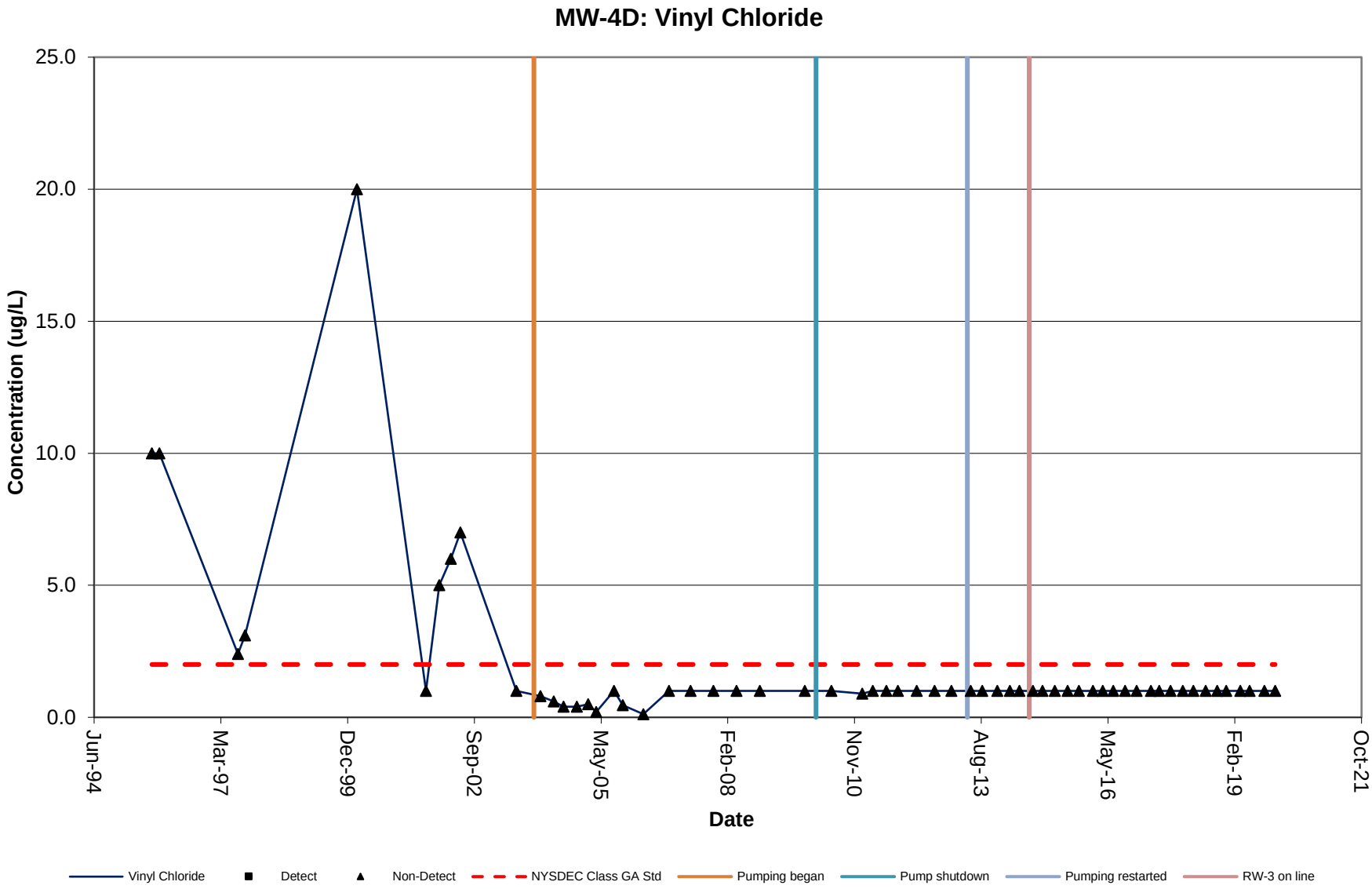

MW-4S: TCE
Concentration (ug/L)
12
10
8
6
4
2
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
TCE NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

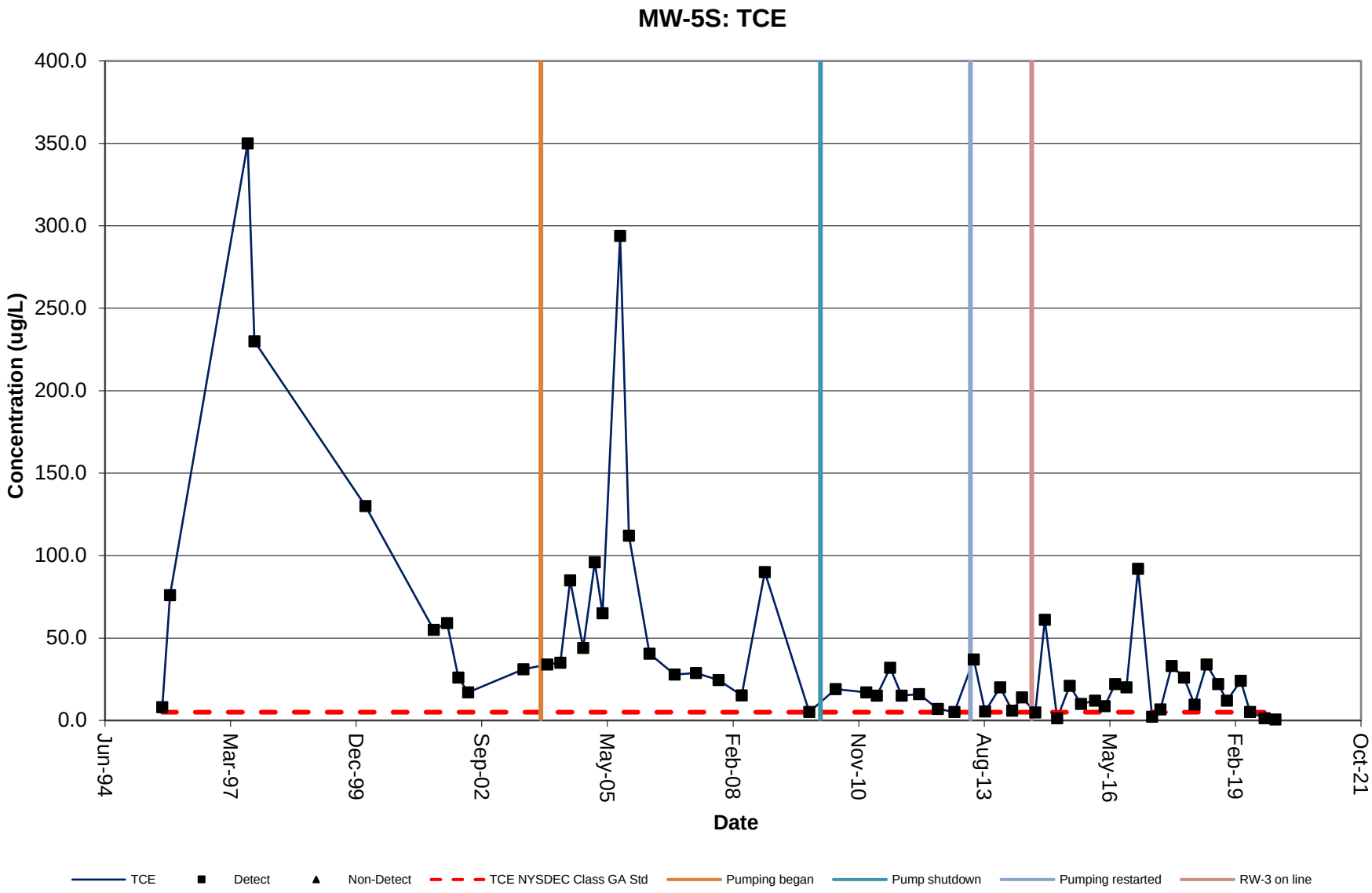

MW-4S: cis-1,2-DCE
Concentration (ug/L)
0
1
2
3
4
5
6
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cDCE
Detect
Non-Detect
cDCE NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

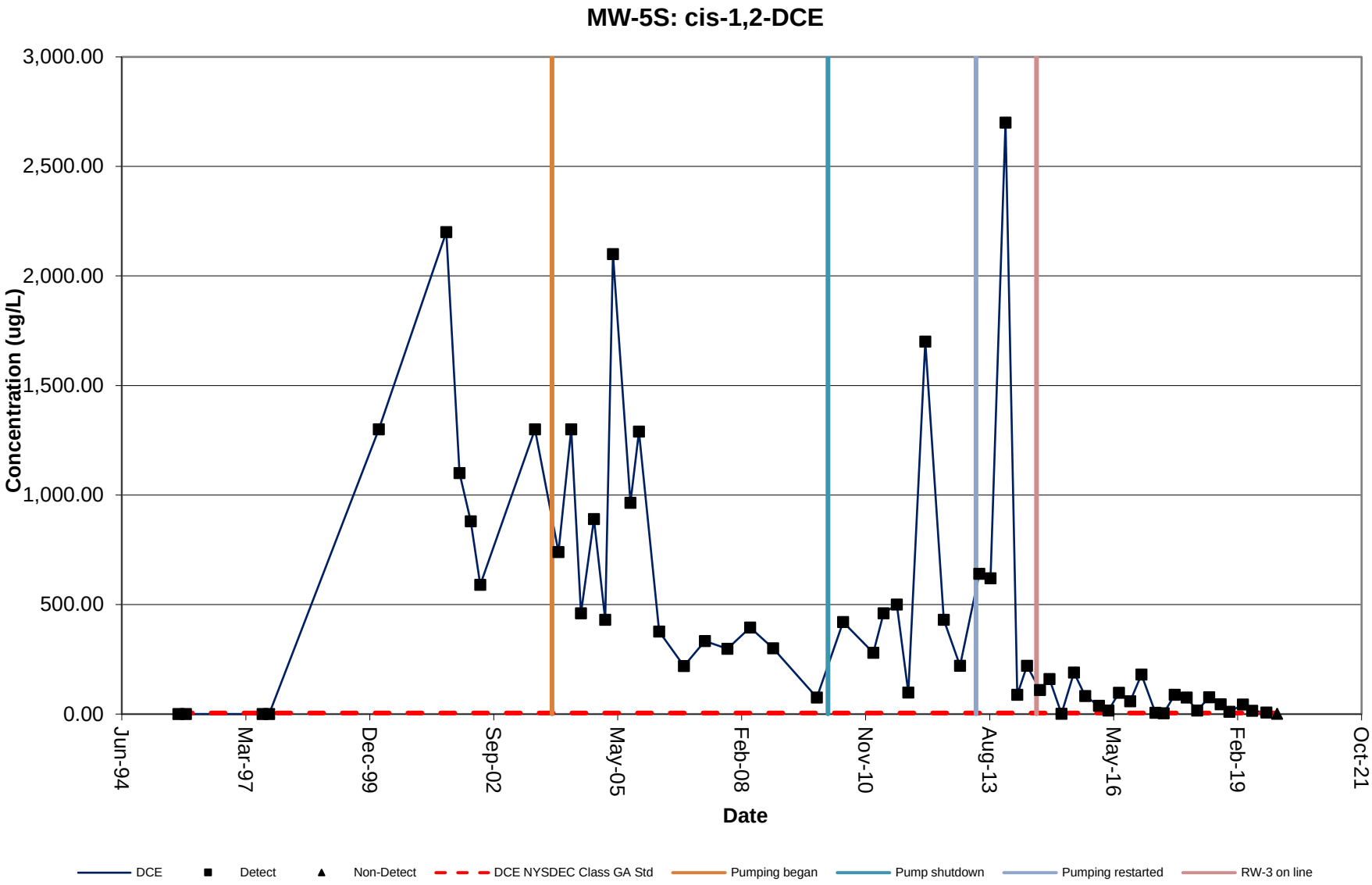

MW-4S: Vinyl Chloride
Concentration (ug/L)
12
10
8
6
4
2
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
VC
Detect
Non-Detect
VC NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

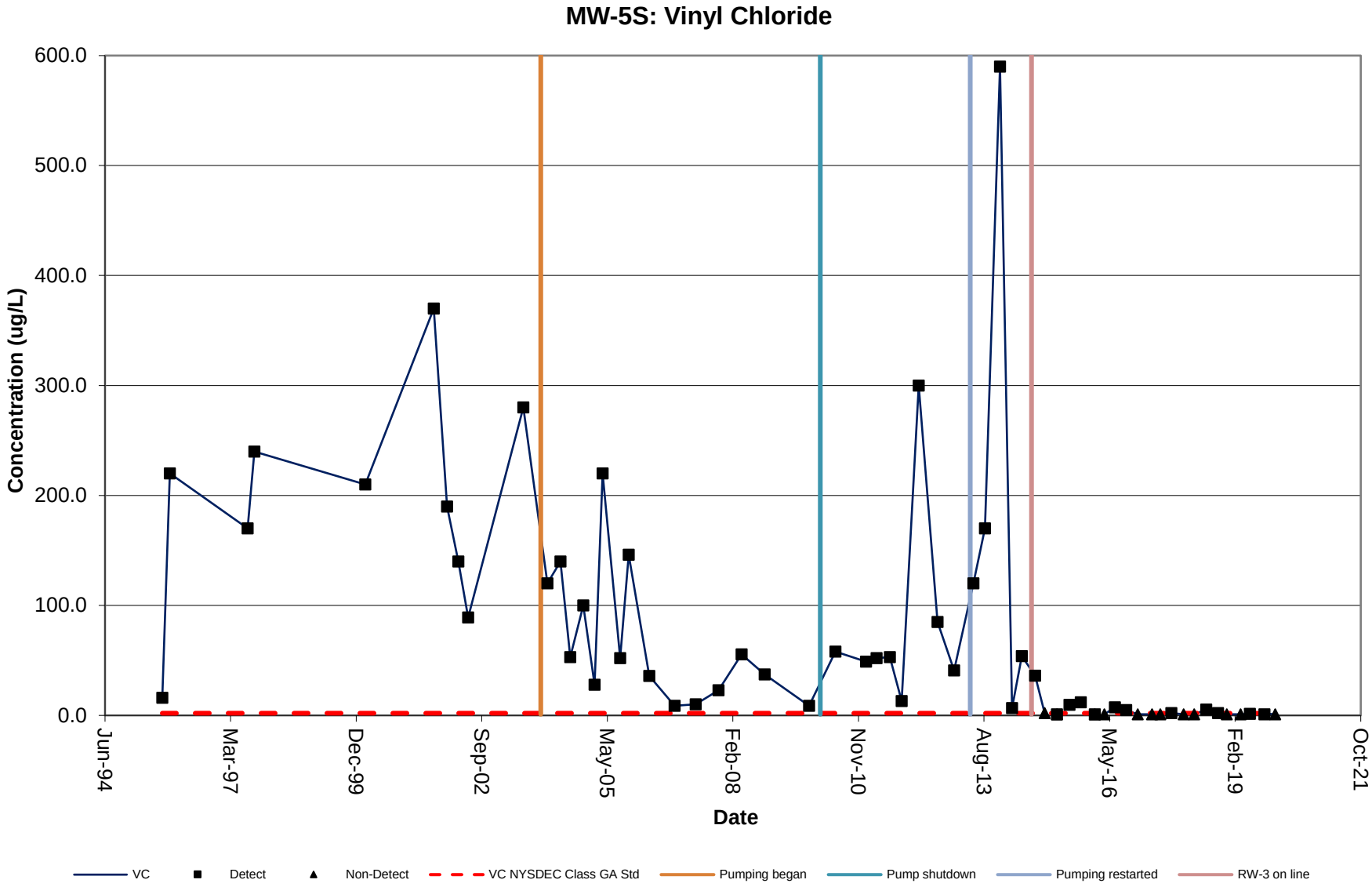

MW-4D: TCE
Concentration (ug/L)
12
10
8
6
4
2
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

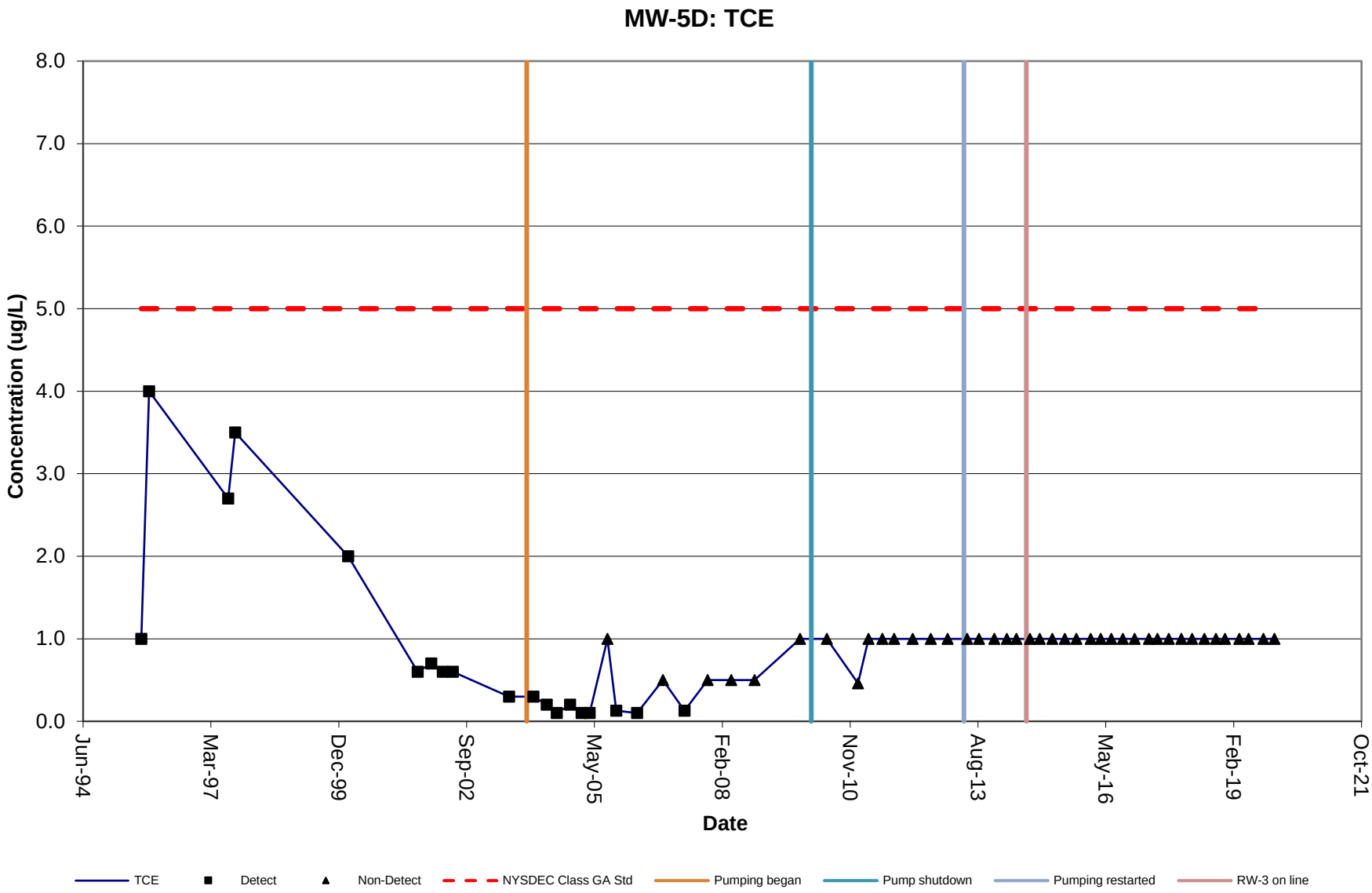

MW-4D: cis-1,2-DCE
Concentration (ug/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

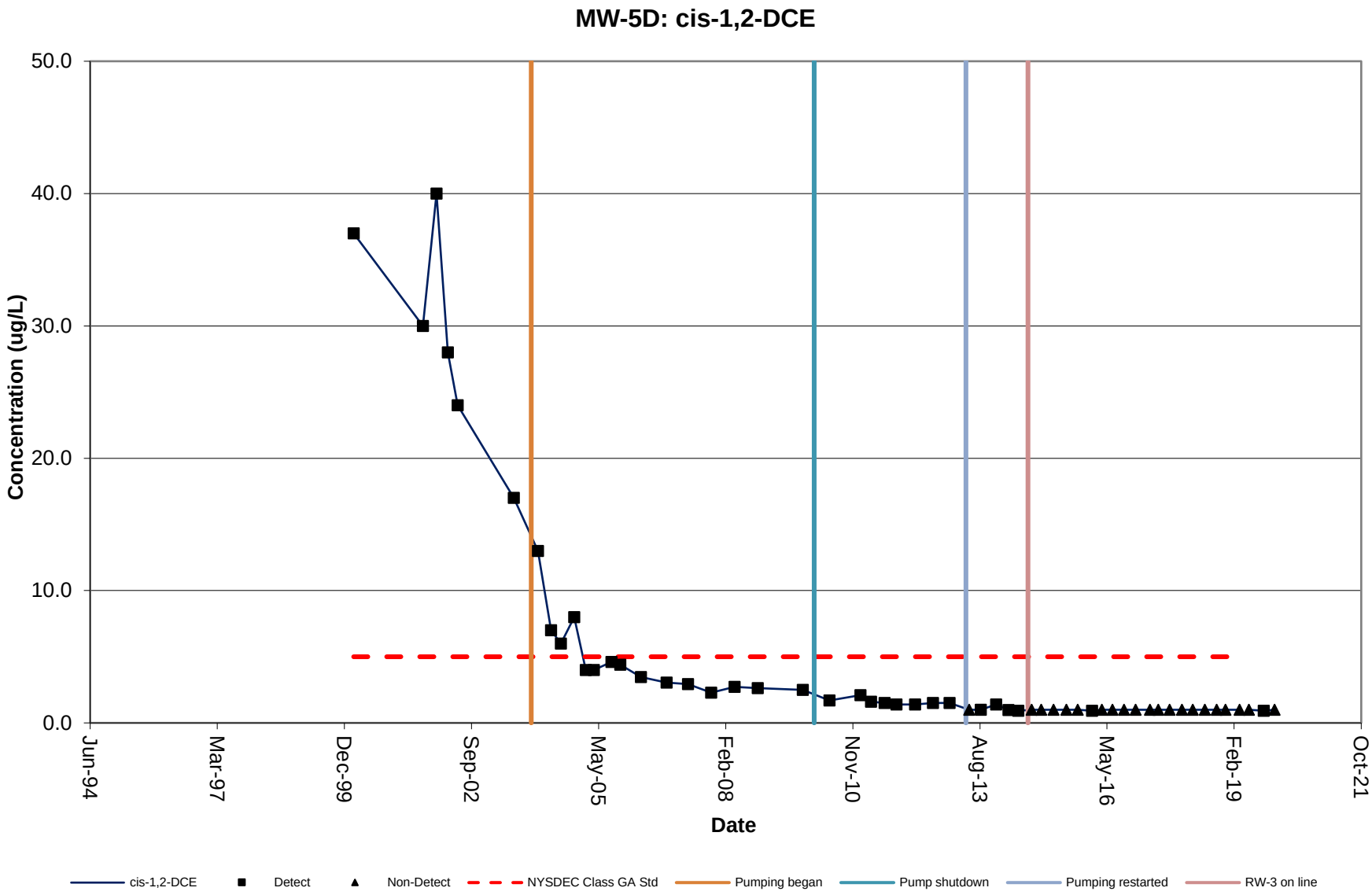

MW-4D: Vinyl Chloride
Concentration (ug/L)
25.0
20.0
15.0
10.0
5.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

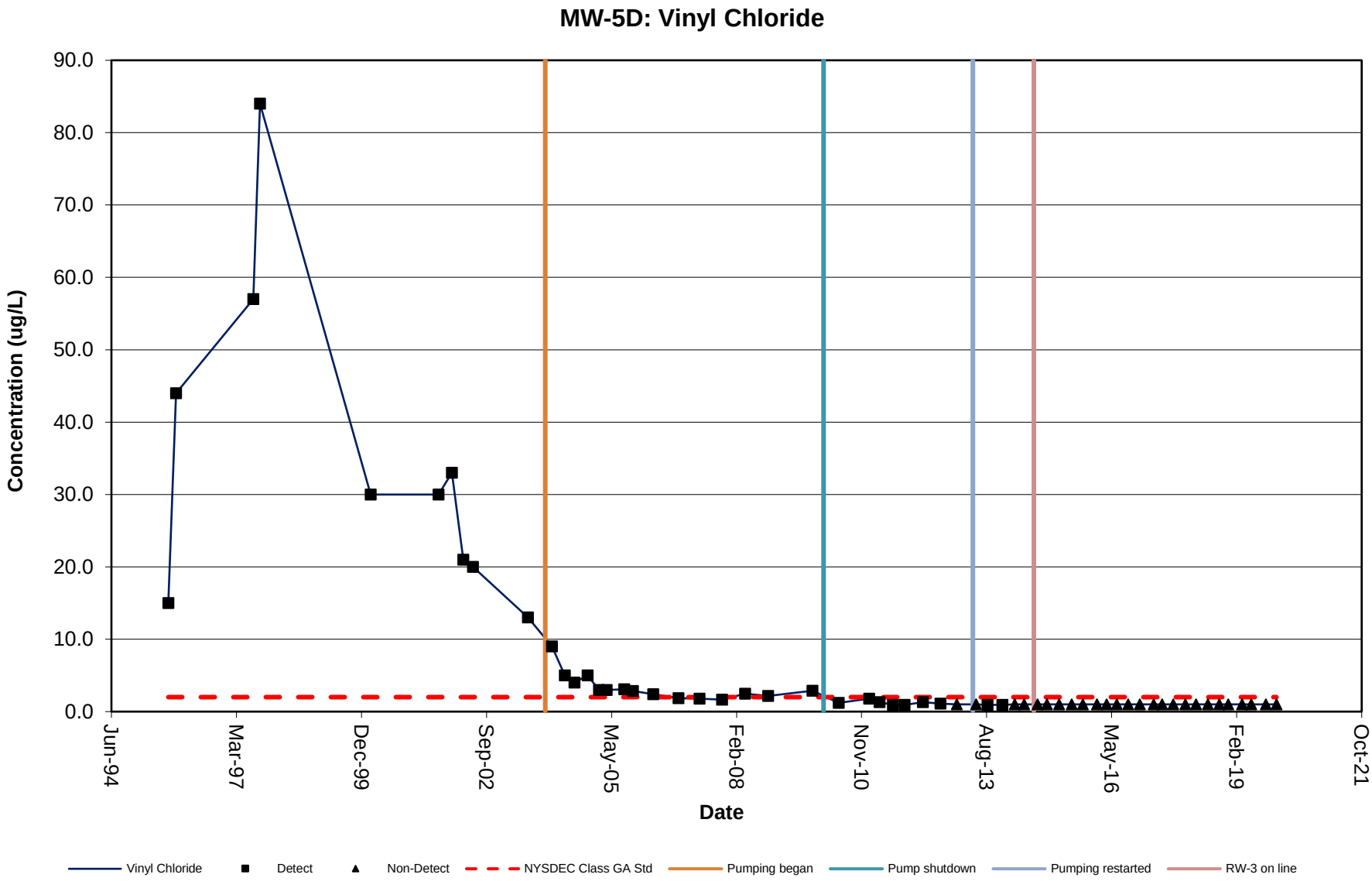

MW-5S: TCE
Concentration (ug/L)
400.0
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
TCE NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

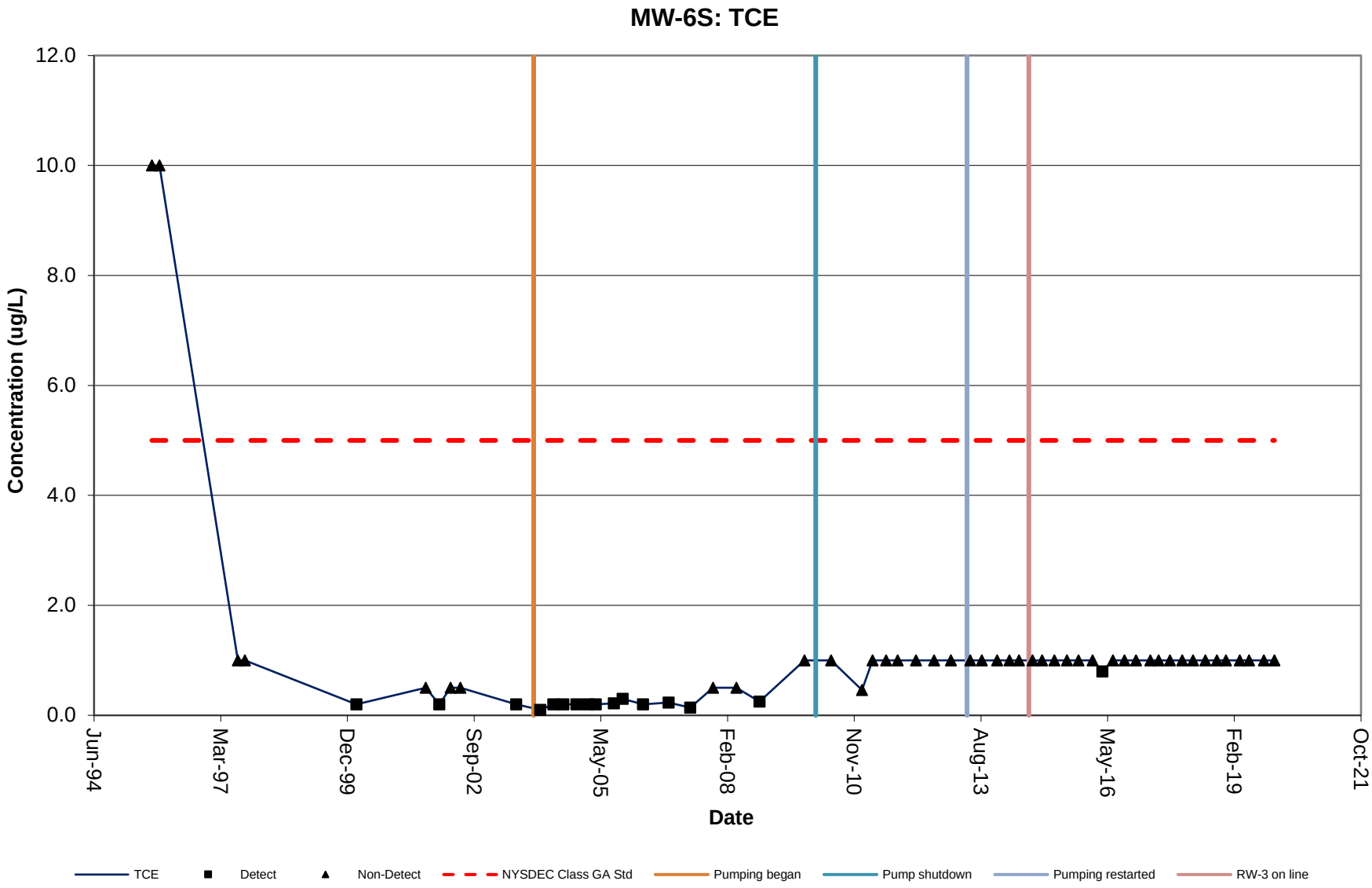

MW-5S: cis-1,2-DCE
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
DCE
Detect
Non-Detect
DCE NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

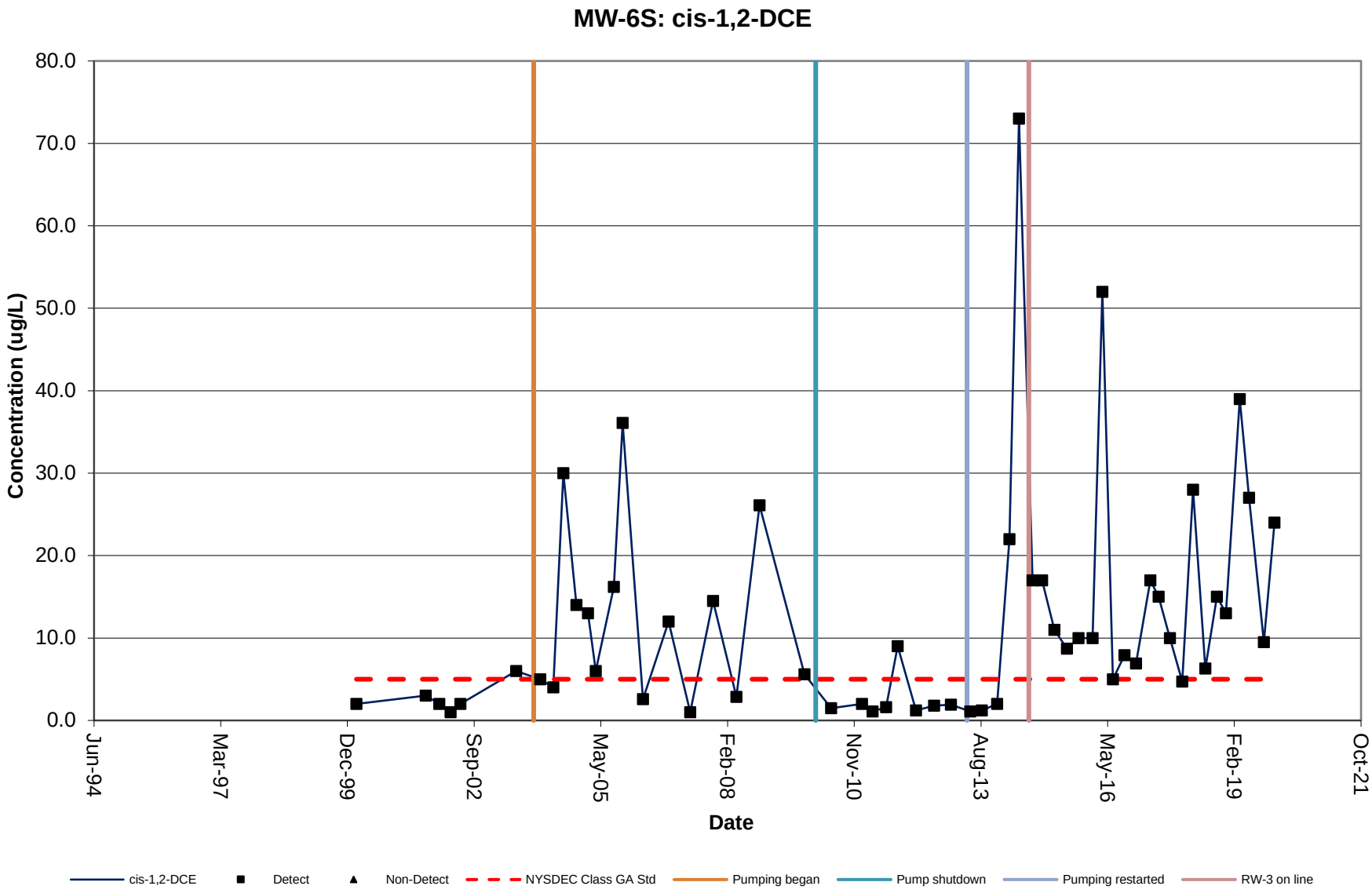

MW-5S: Vinyl Chloride
600.0
500.0
400.0
300.0
200.0
100.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
VC
Detect
Non-Detect
VC NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

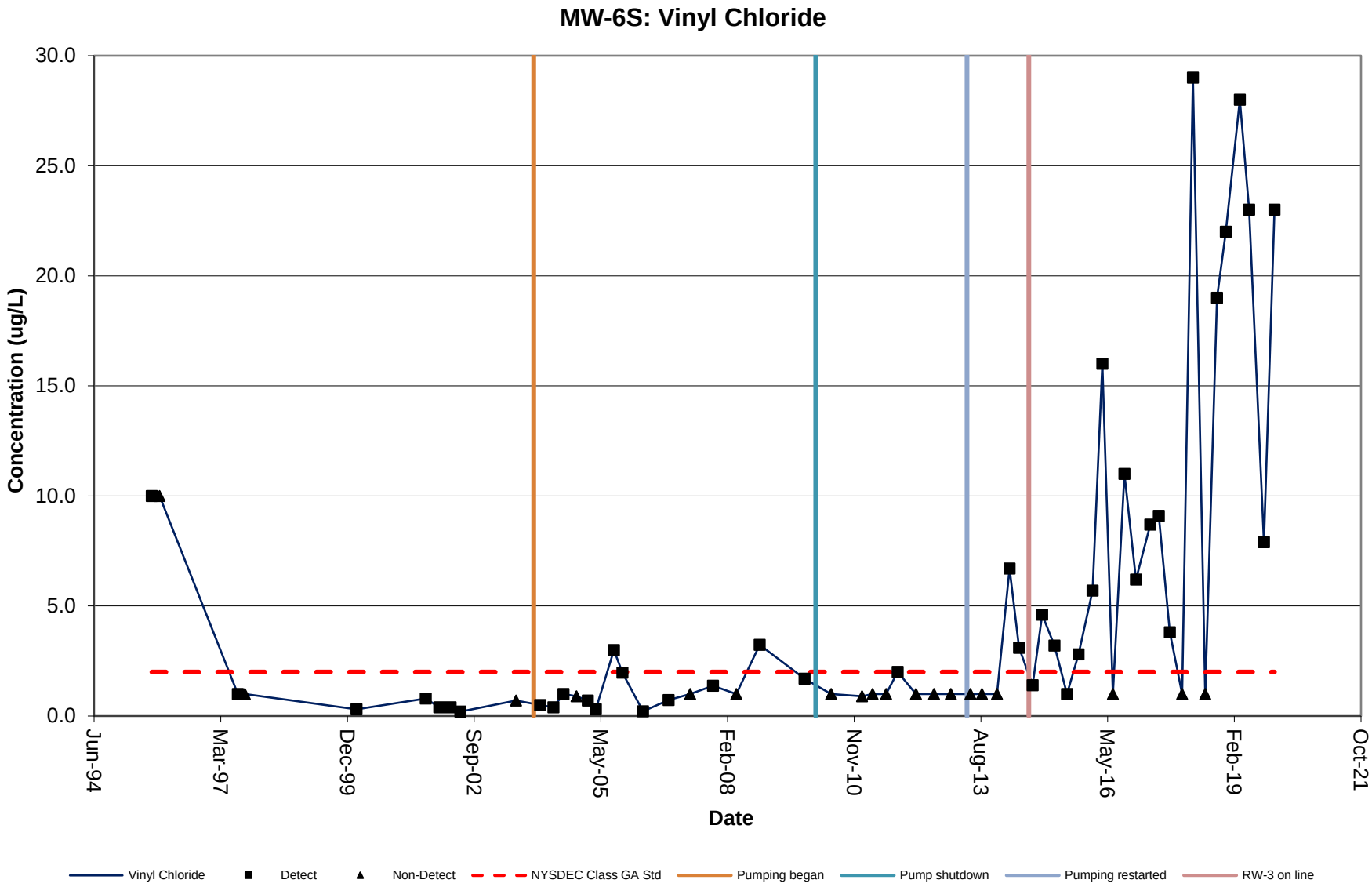

MW-5D: TCE
Concentration (ug/L)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

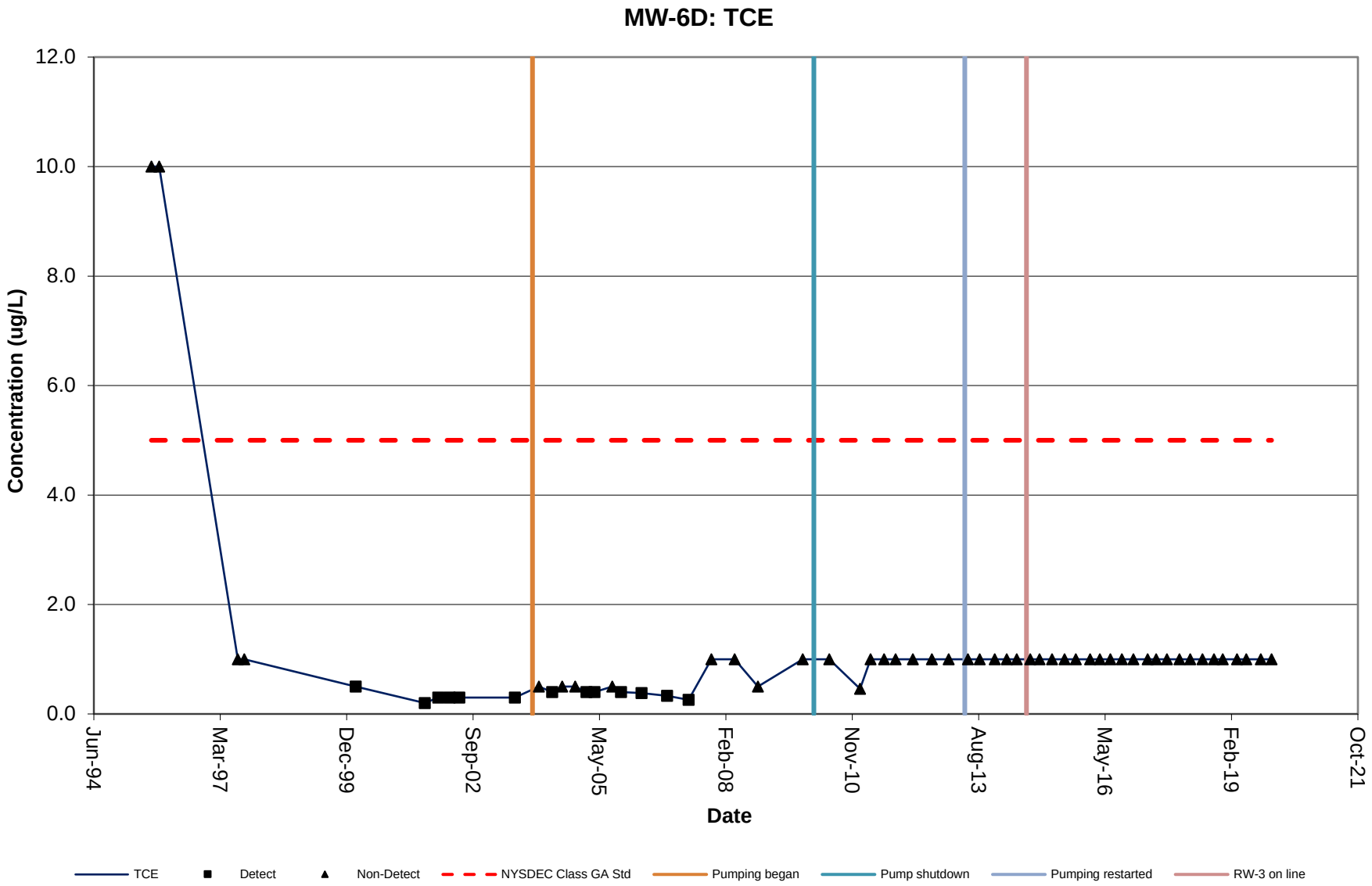

MW-5D: cis-1,2-DCE
Concentration (ug/L)
50.0
40.0
30.0
20.0
10.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

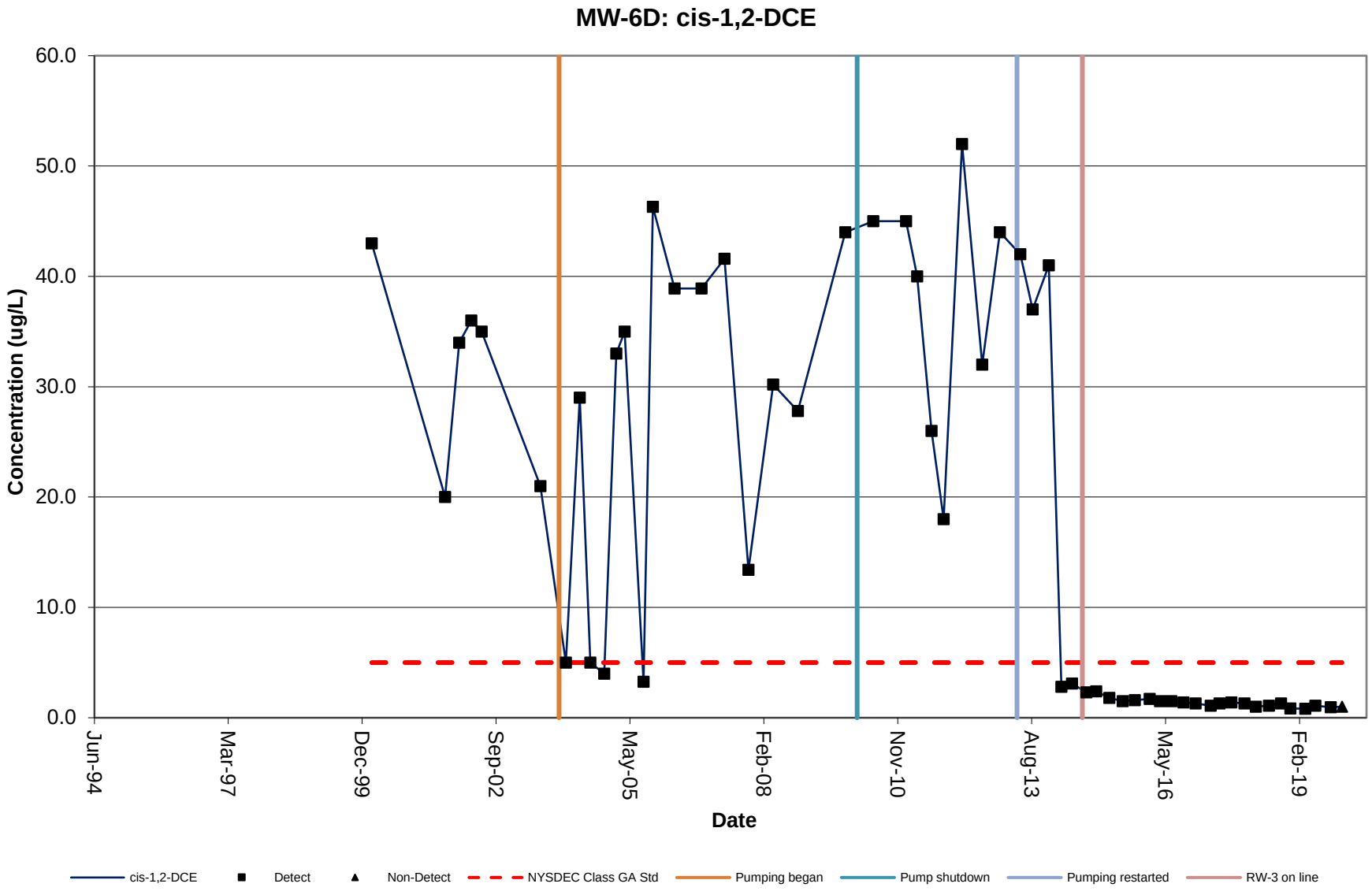

MW-5D: Vinyl Chloride
Concentration (ug/L)
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

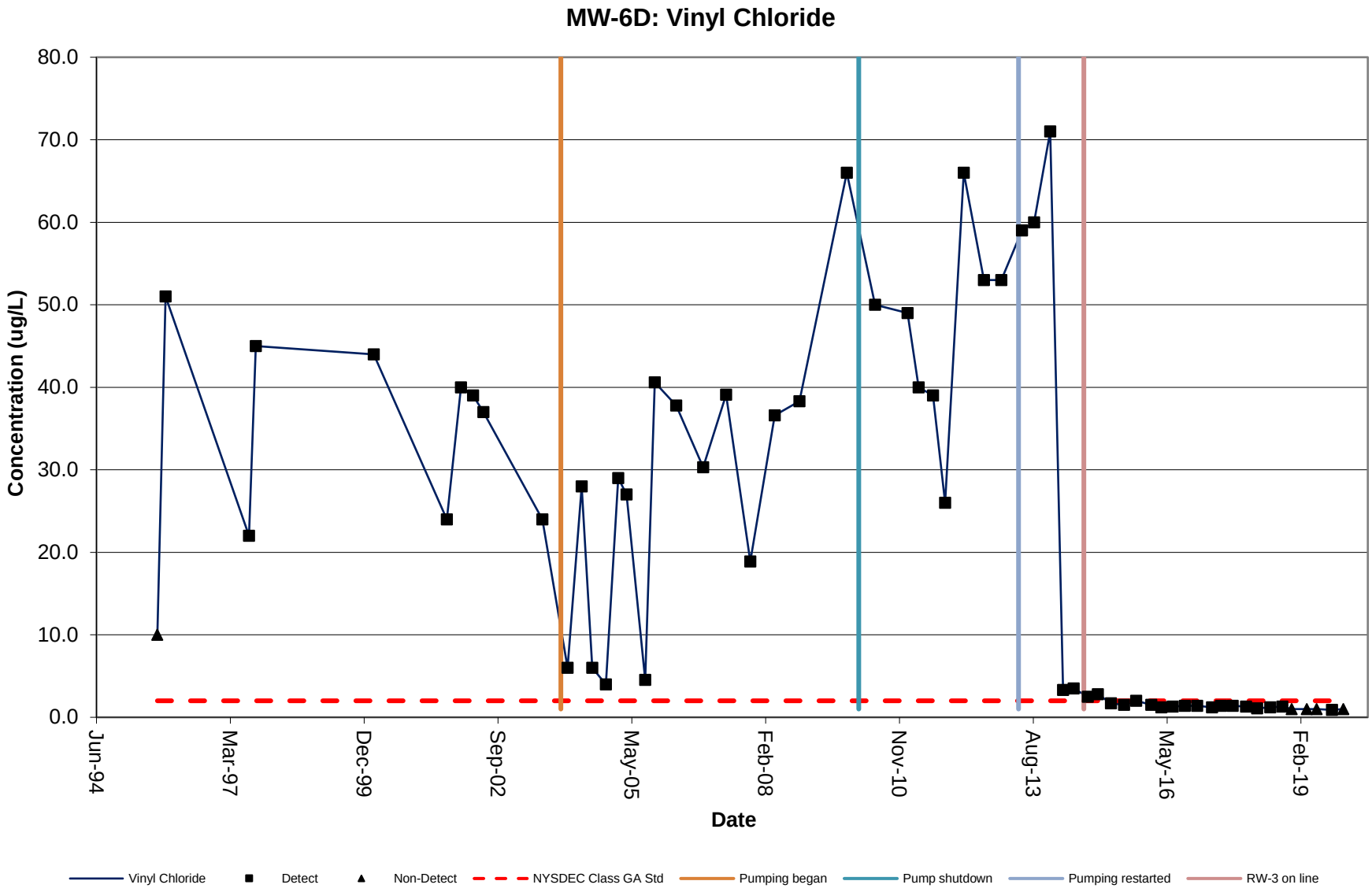

MW-6S: TCE
Concentration (ug/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

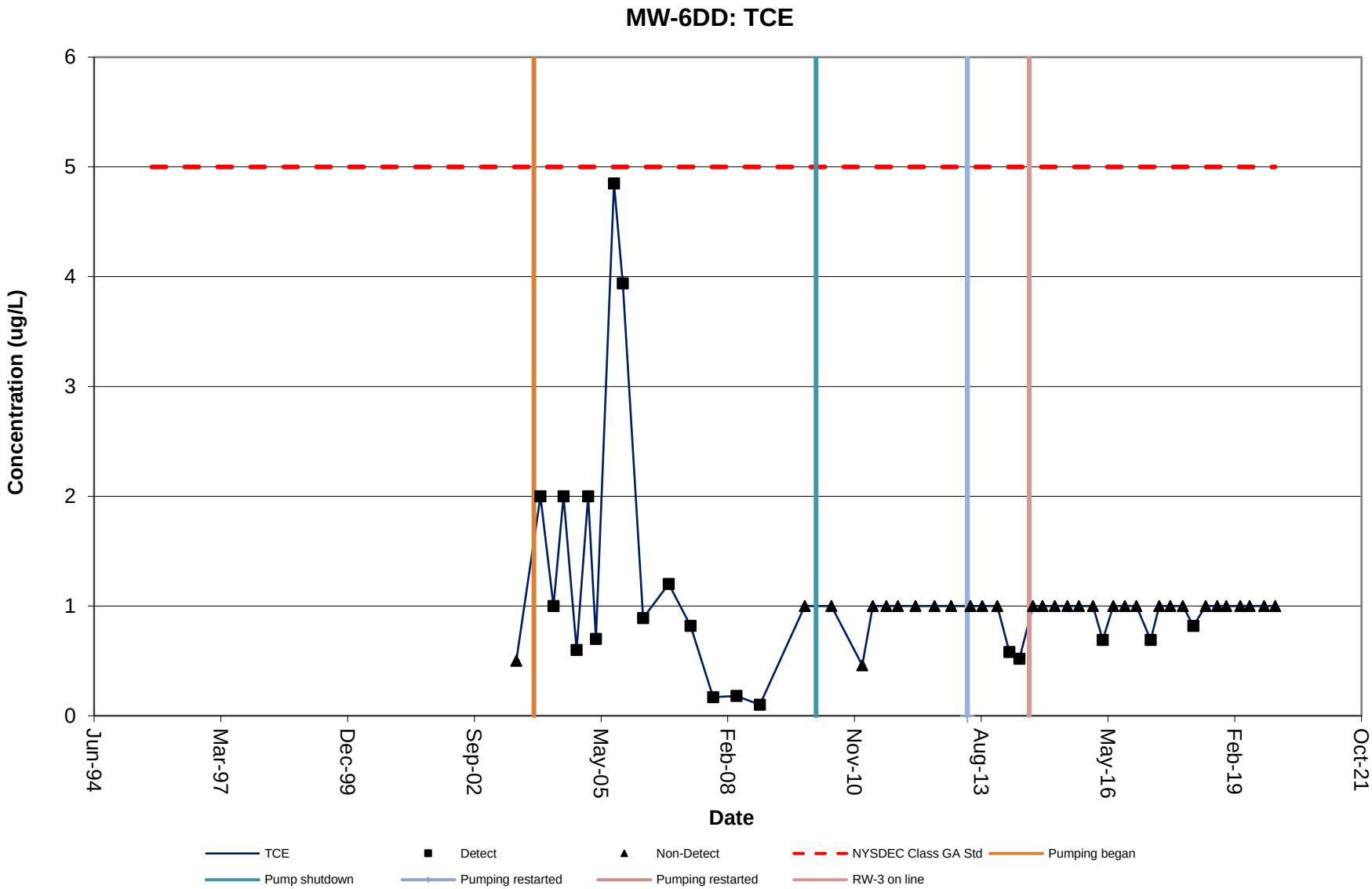

MW-6S: cis-1,2-DCE
Concentration (ug/L)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

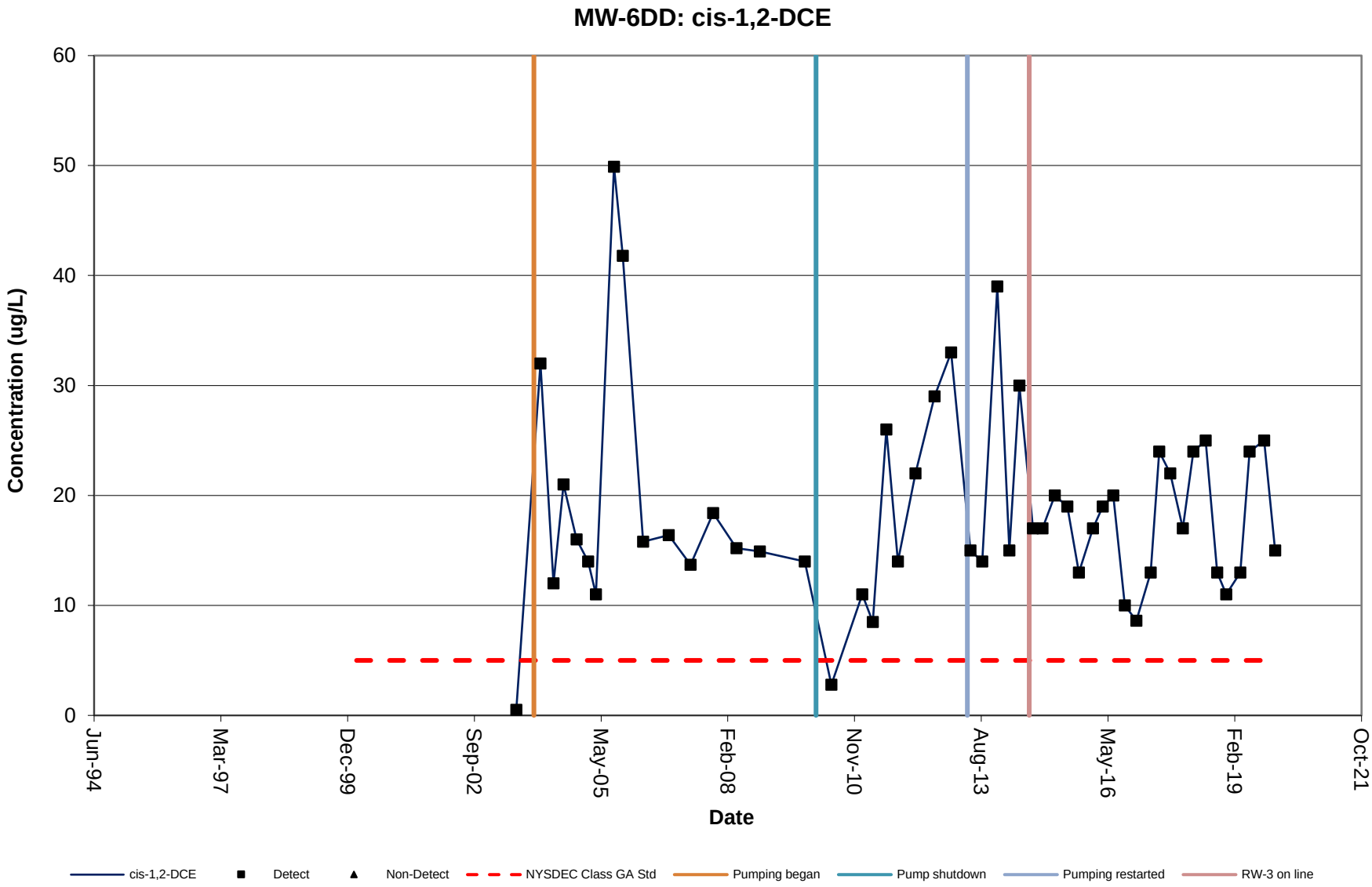

MW-6S: Vinyl Chloride
Concentration (ug/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

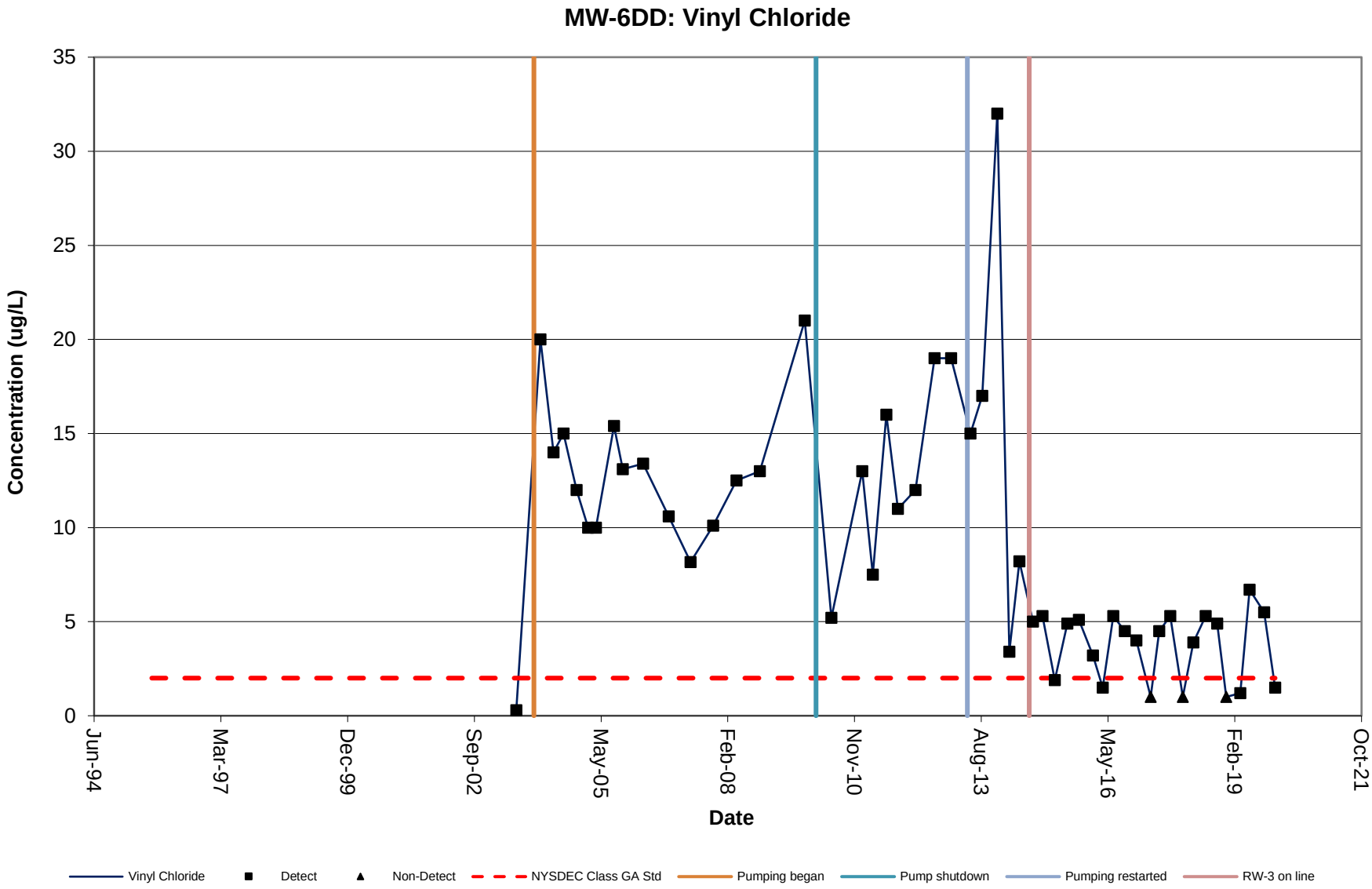

MW-6D: TCE
Concentration (ug/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

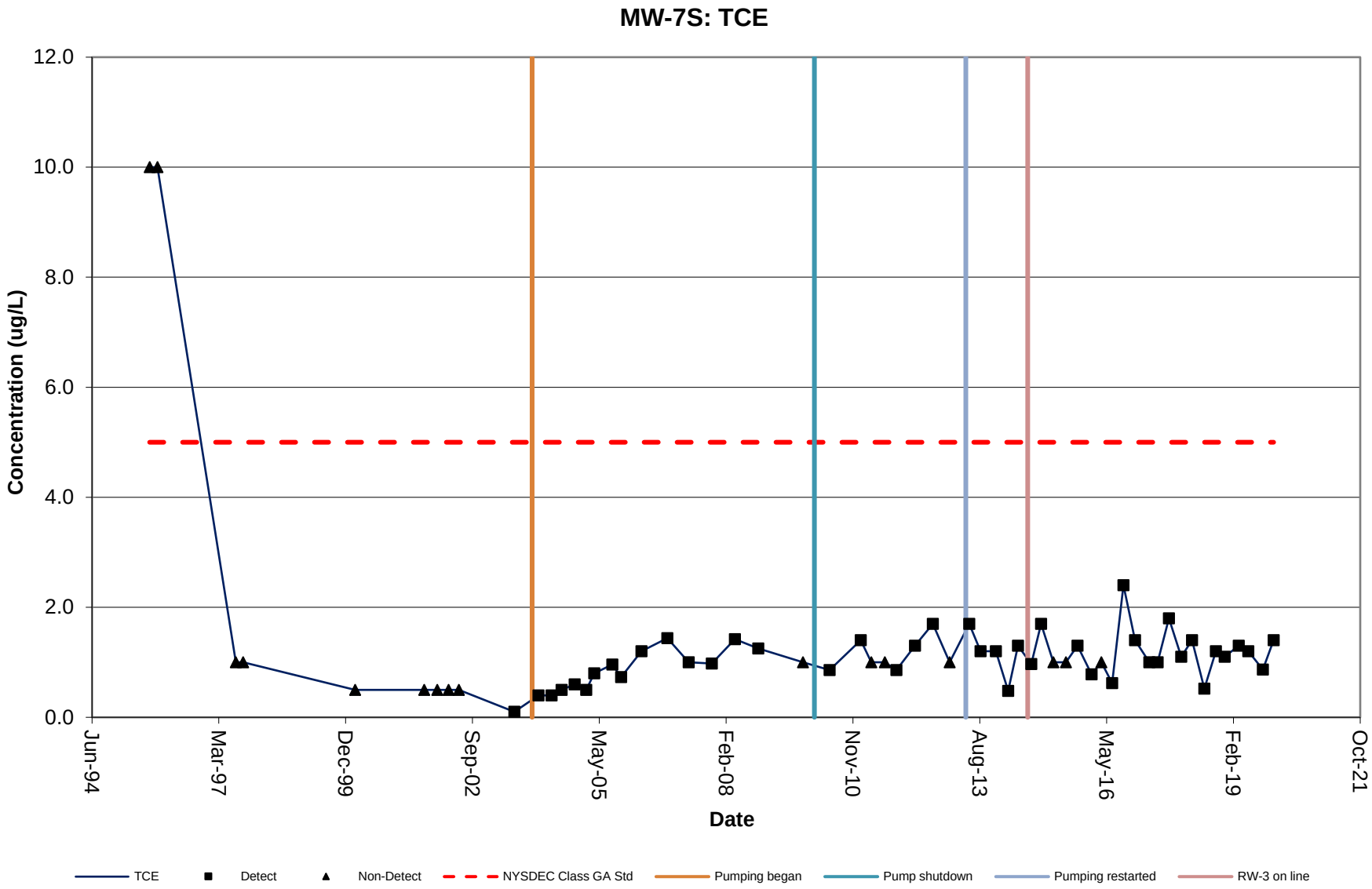

MW-6D: cis-1,2-DCE
Concentration (ug/L)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

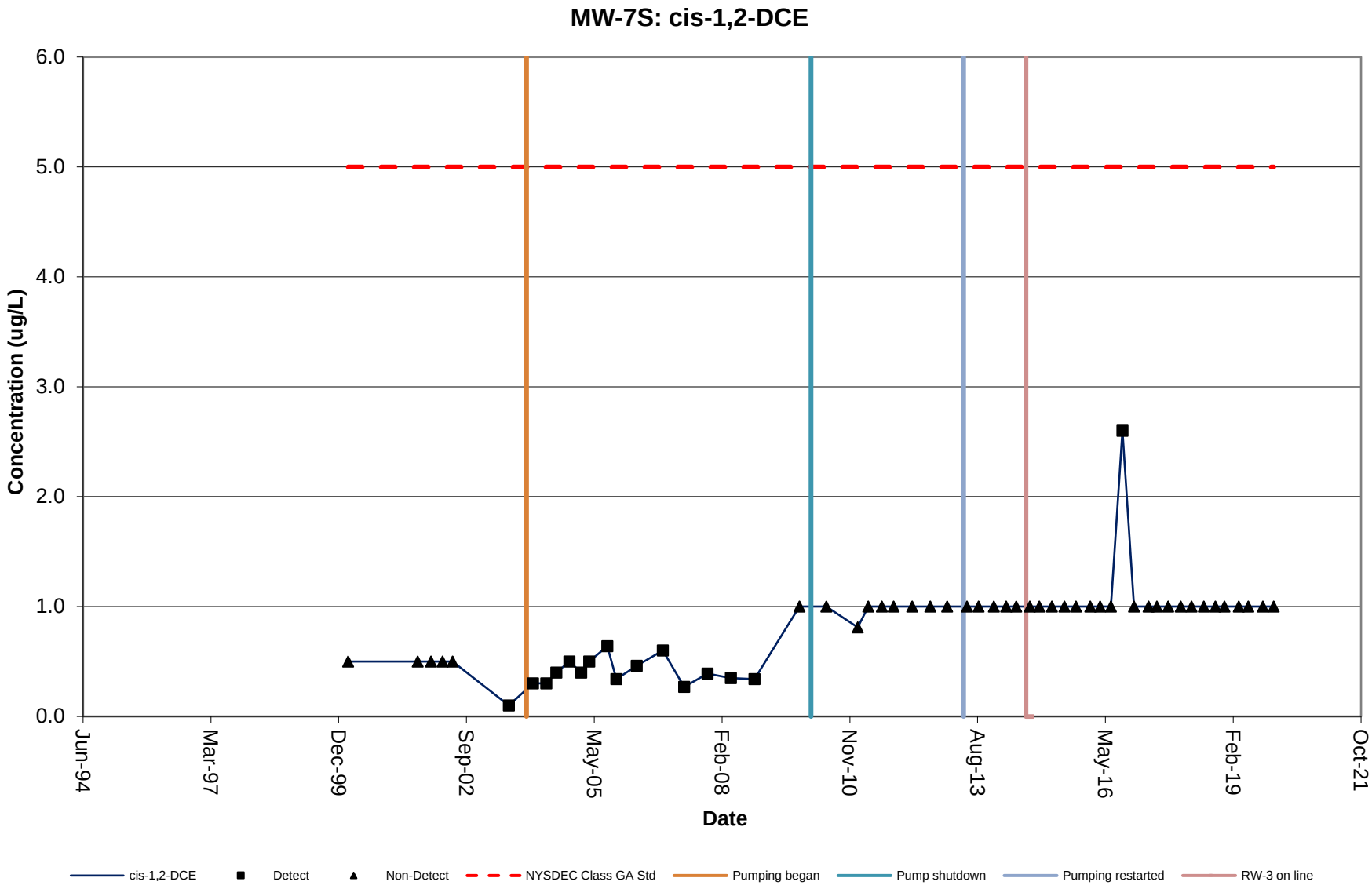

MW-6D: Vinyl Chloride
Concentration (ug/L)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

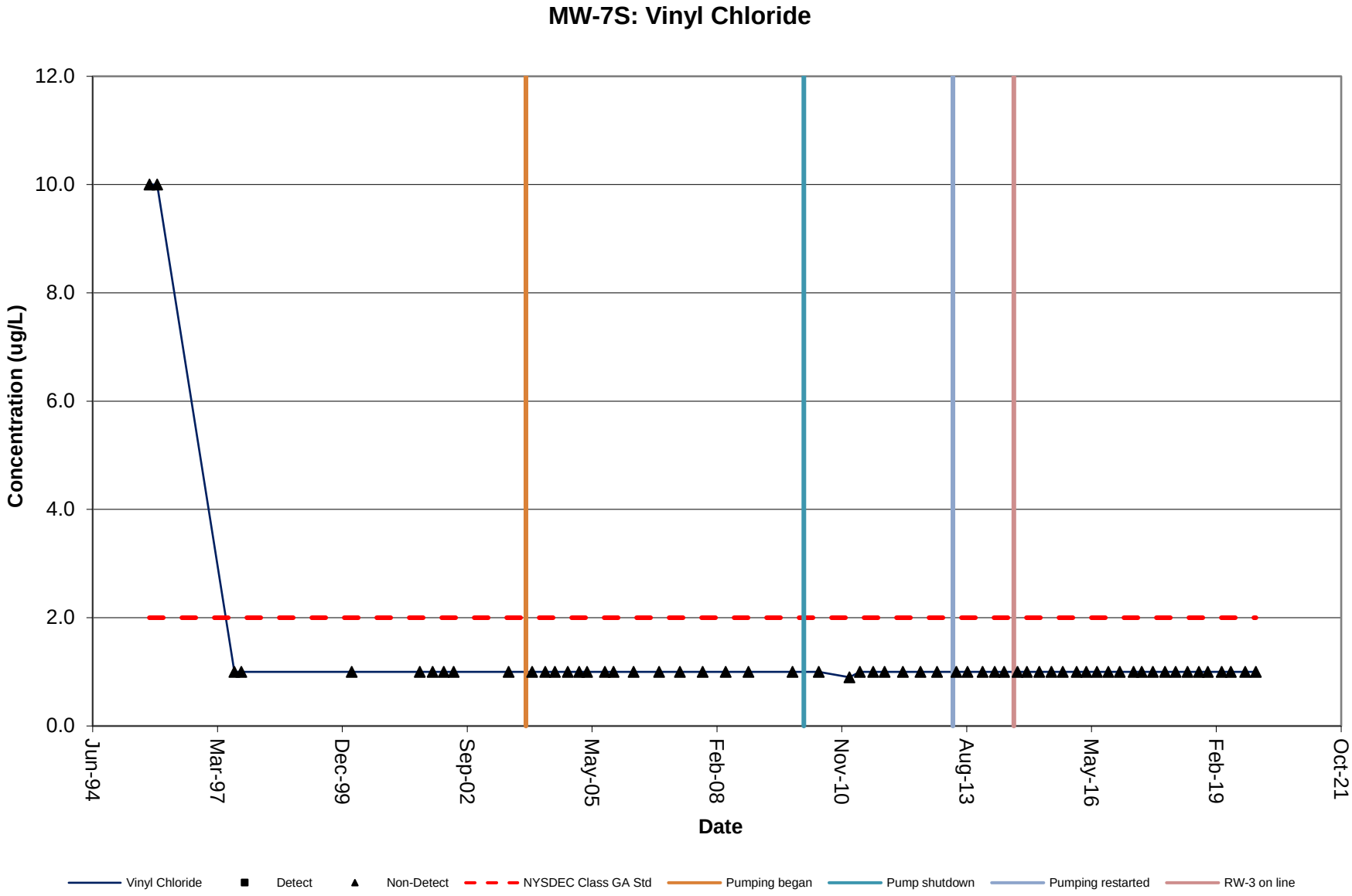

MW-6DD: TCE
Concentration (ug/L)
0
1
2
3
4
5
6
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
Pumping restarted
RW-3 on line

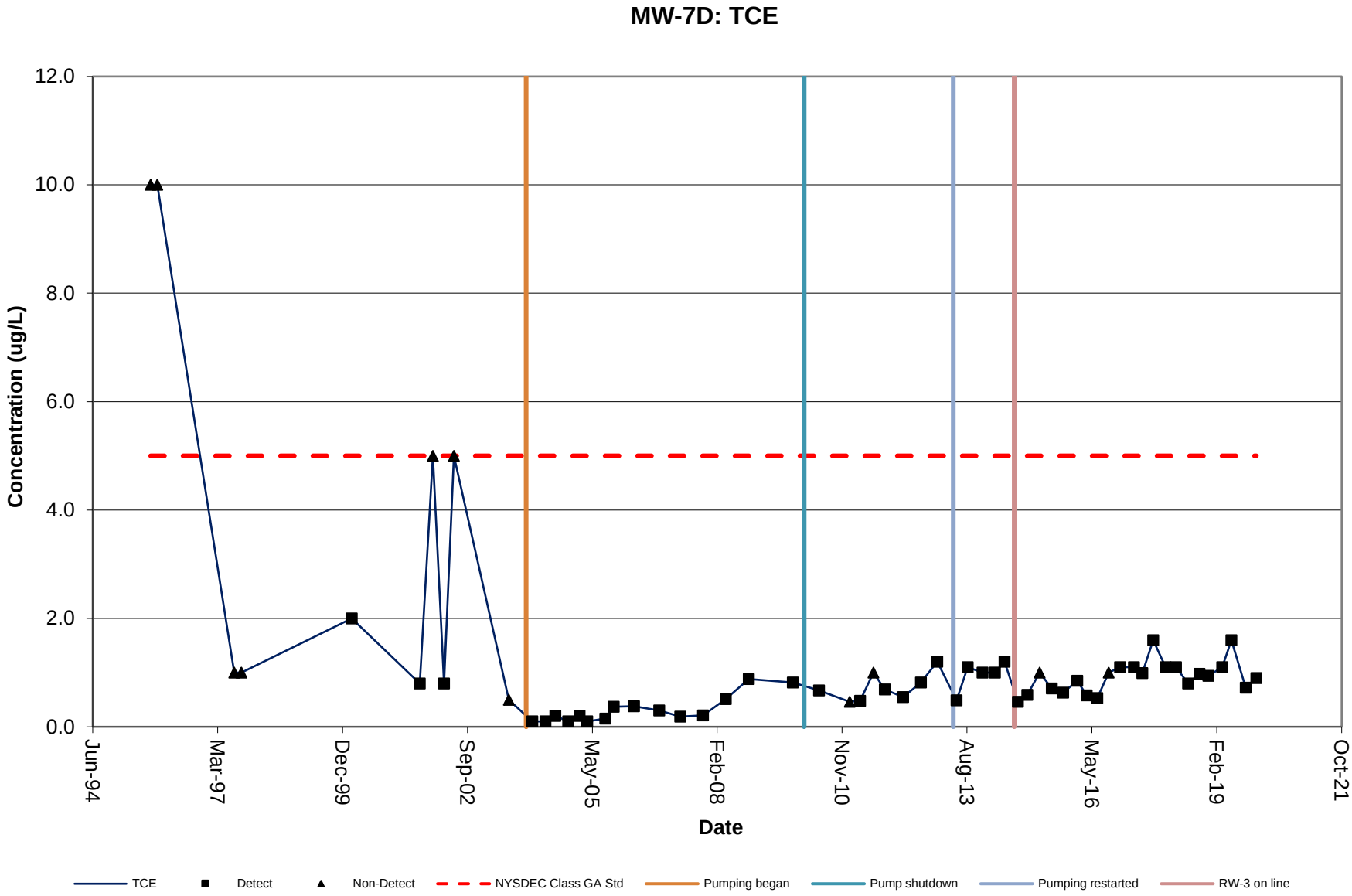

MW-6DD: cis-1,2-DCE
Concentration (ug/L)
60
50
40
30
20
10
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

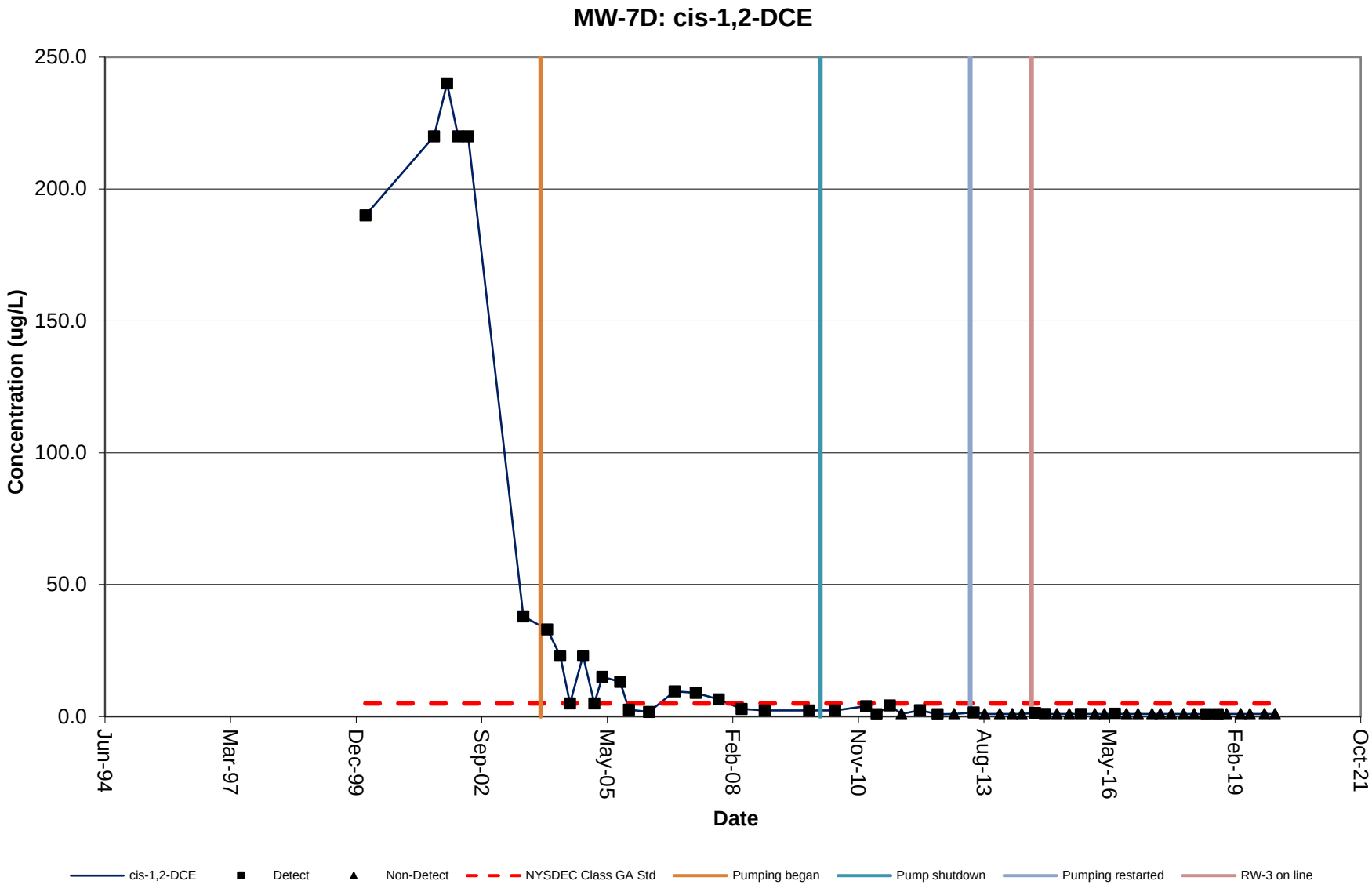

MW-6DD: Vinyl Chloride
Concentration (ug/L)
35
30
25
20
15
10
5
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

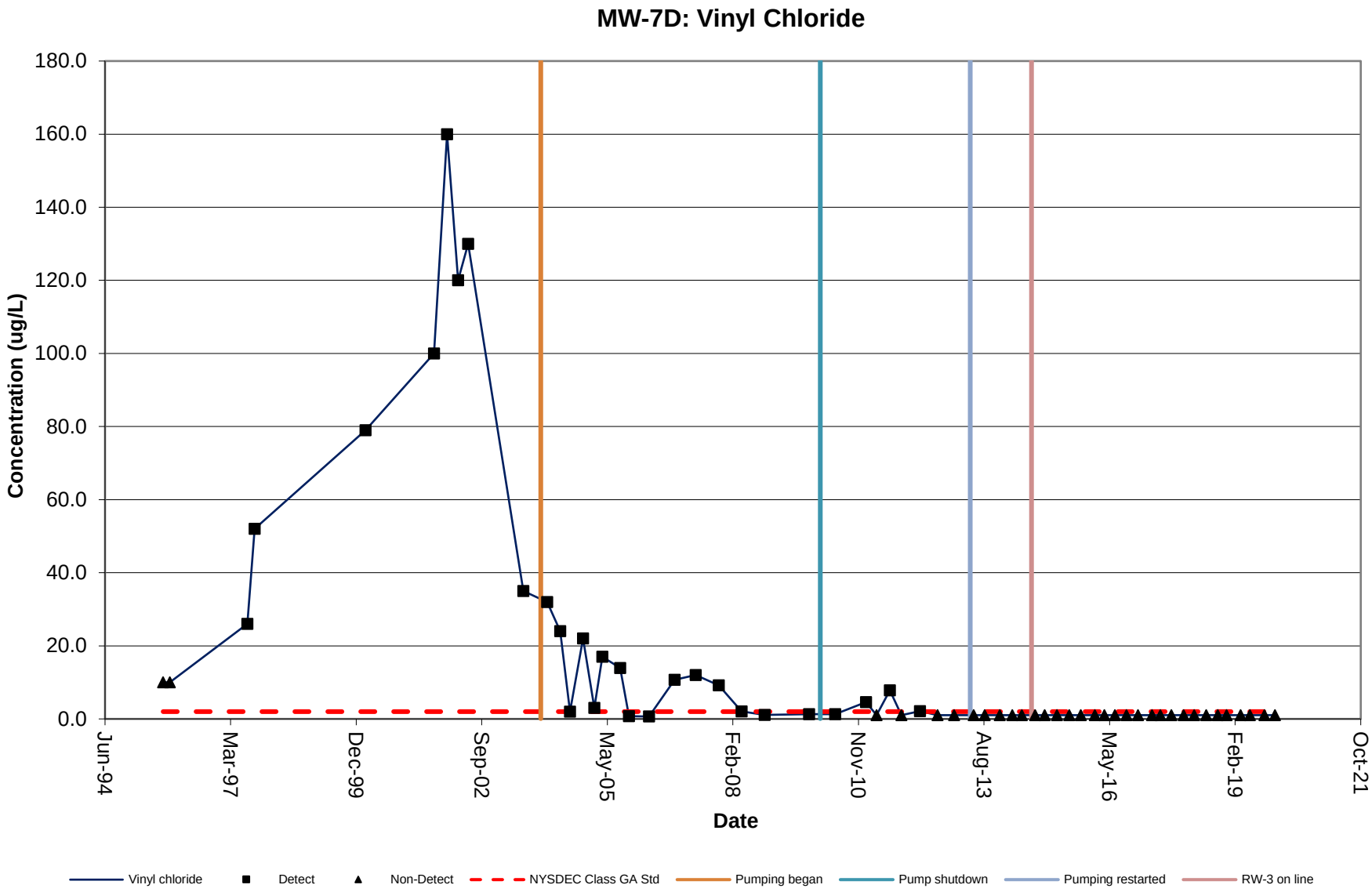

MW-7S: TCE
Concentration (ug/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

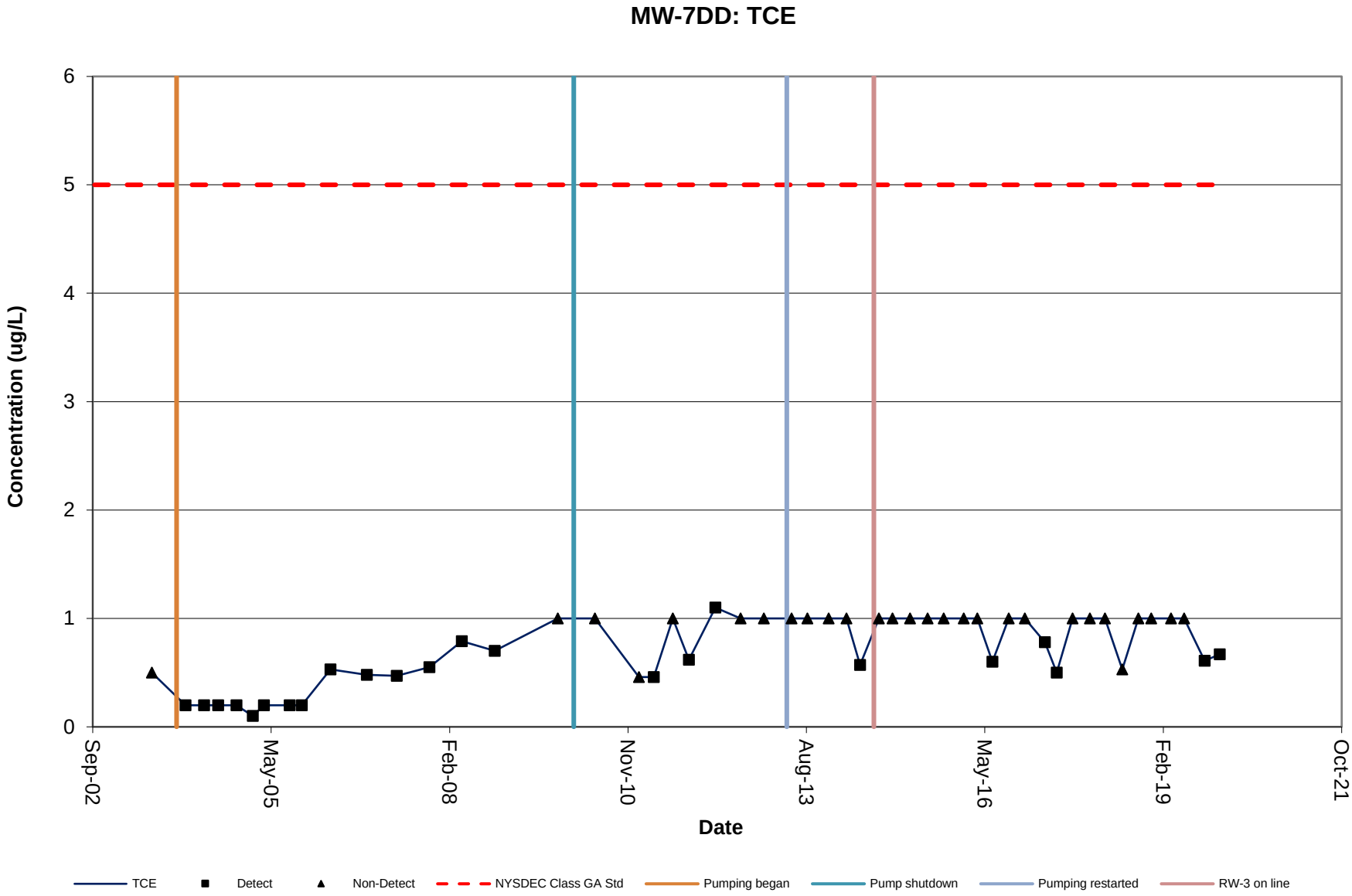

MW-7S: cis-1,2-DCE
Concentration (ug/L)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

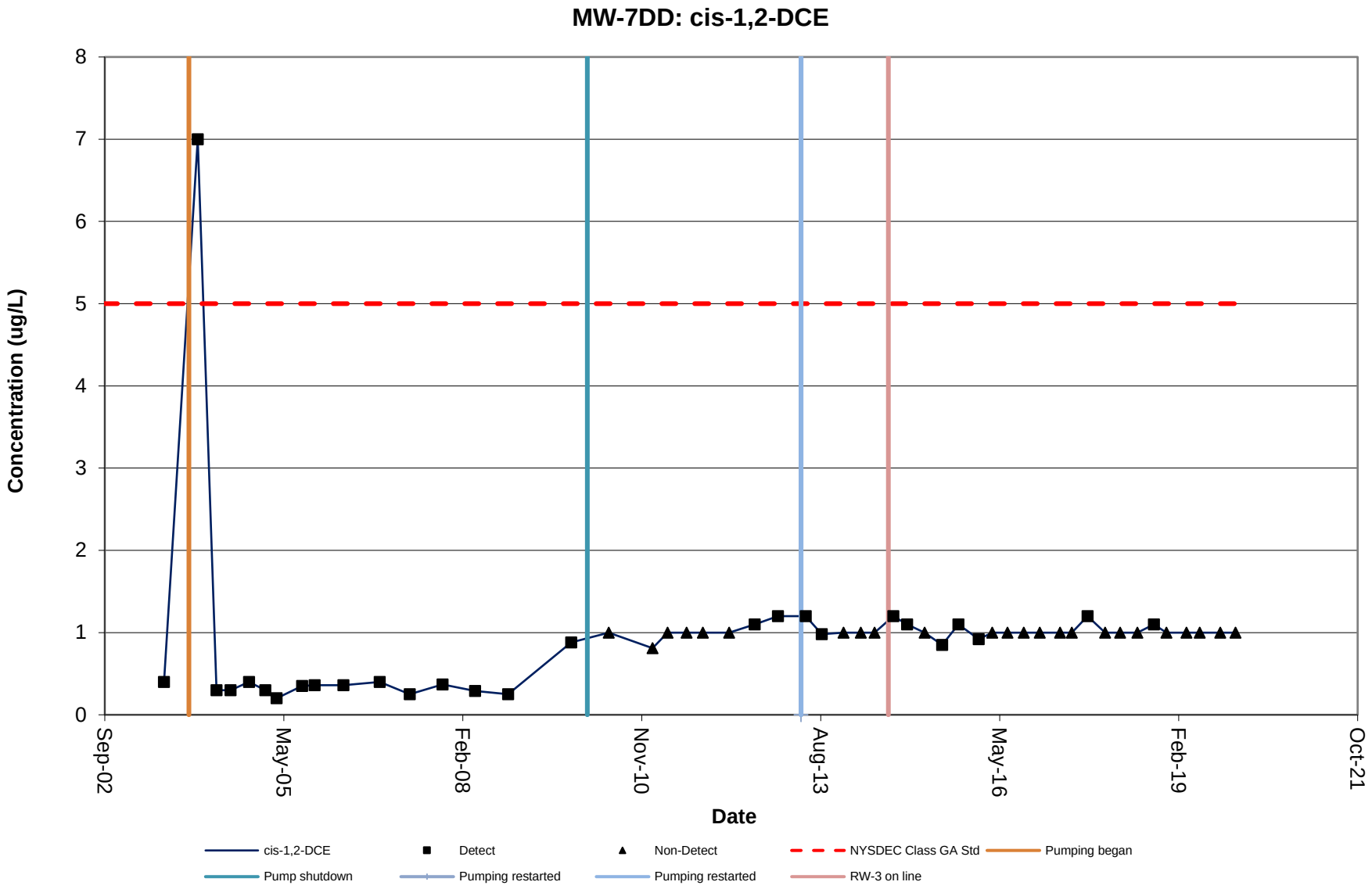

MW-7S: Vinyl Chloride
Concentration (ug/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

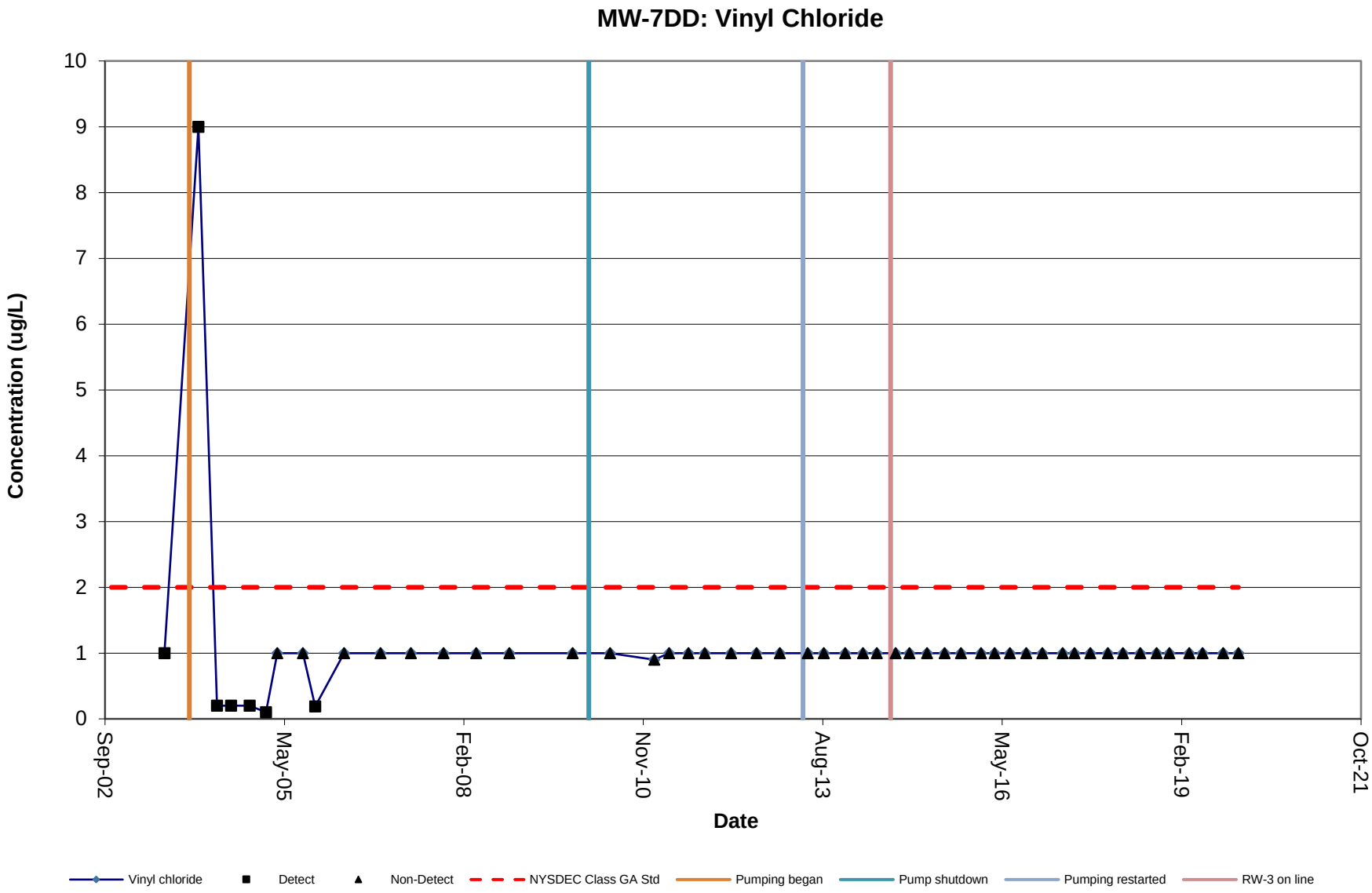

MW-7D: TCE
Concentration (ug/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

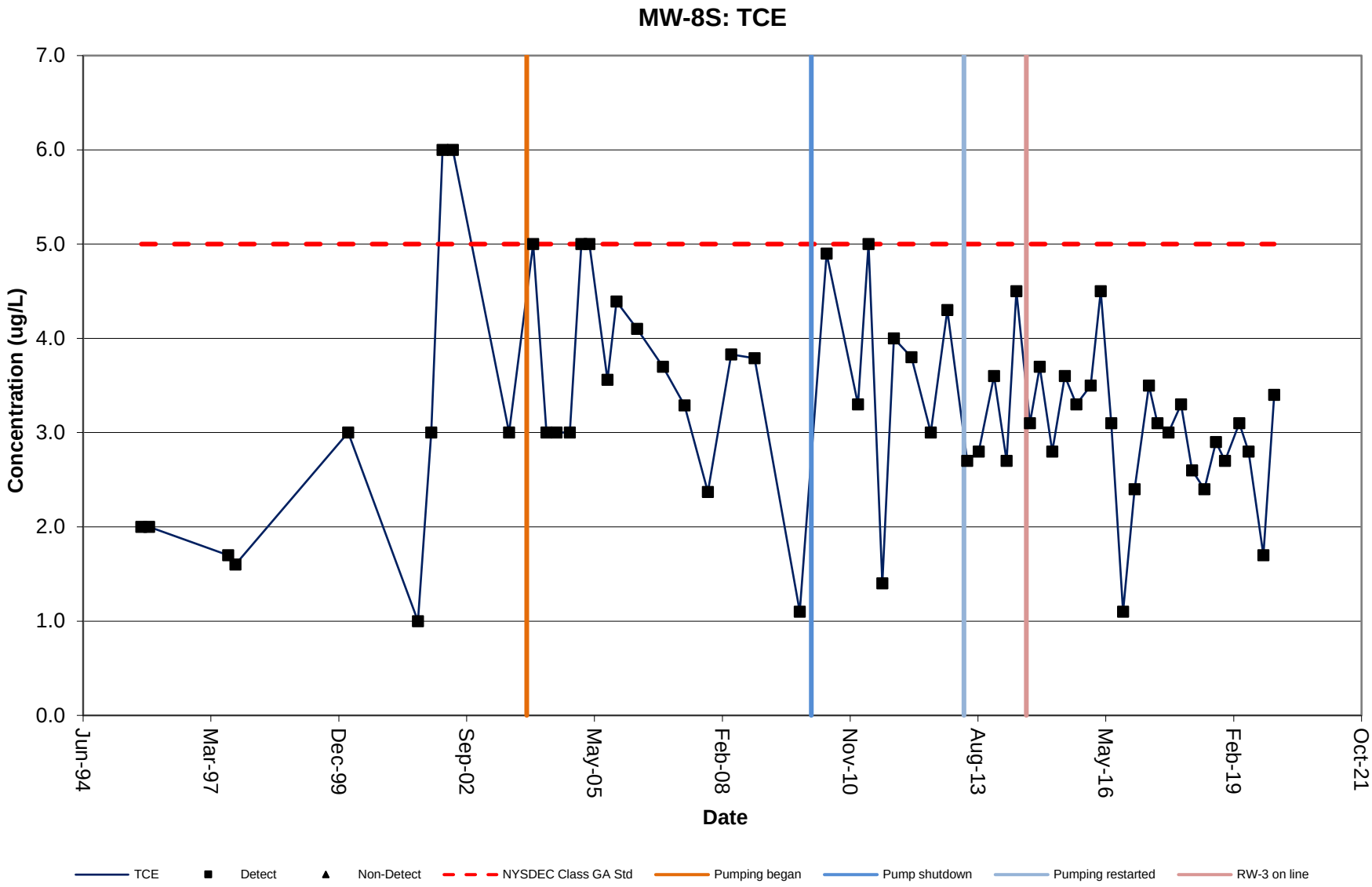

MW-7D: cis-1,2-DCE
250.0
200.0
150.0
100.0
50.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

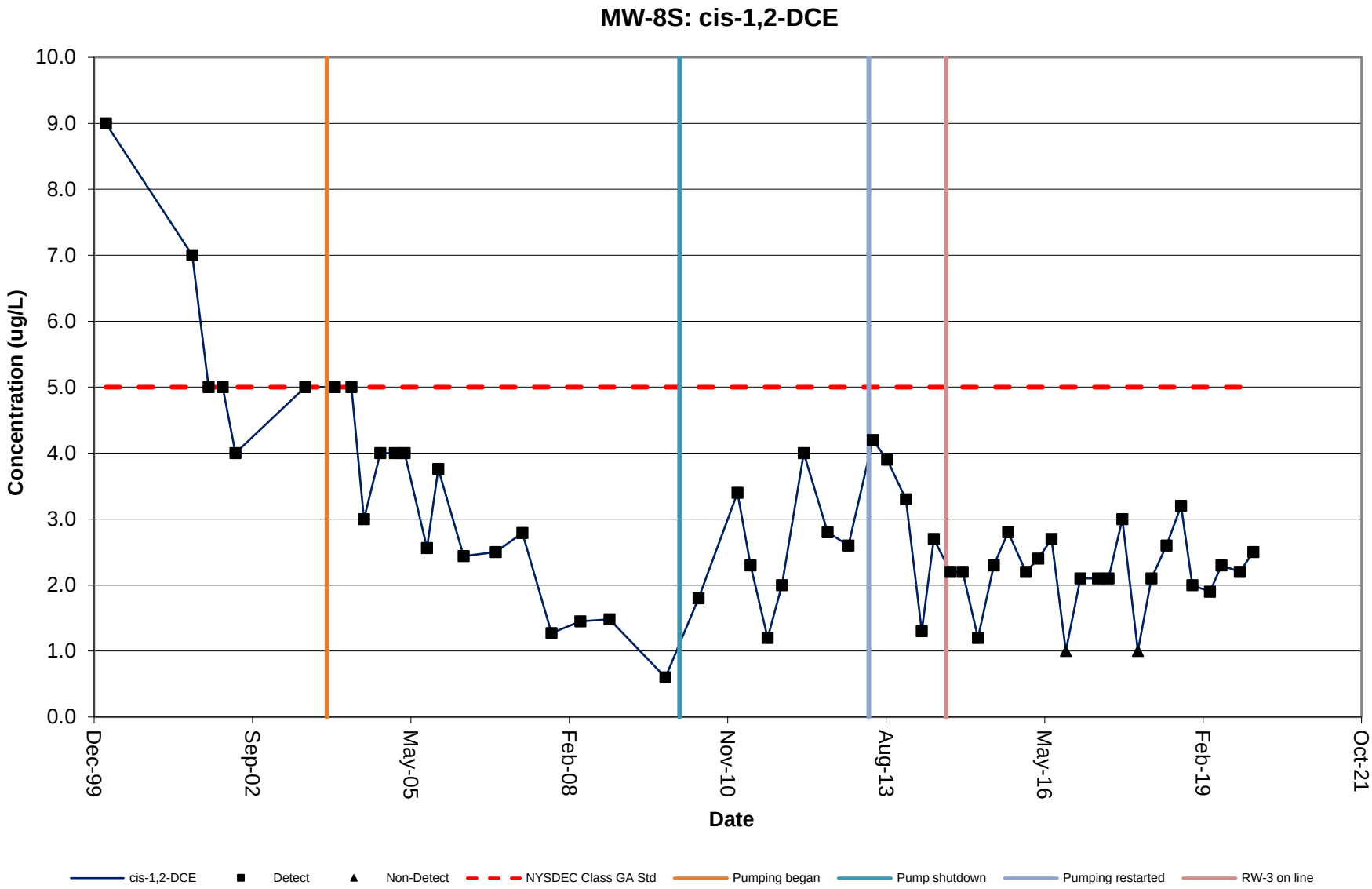

MW-7D: Vinyl Chloride
Concentration (ug/L)
180.0
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

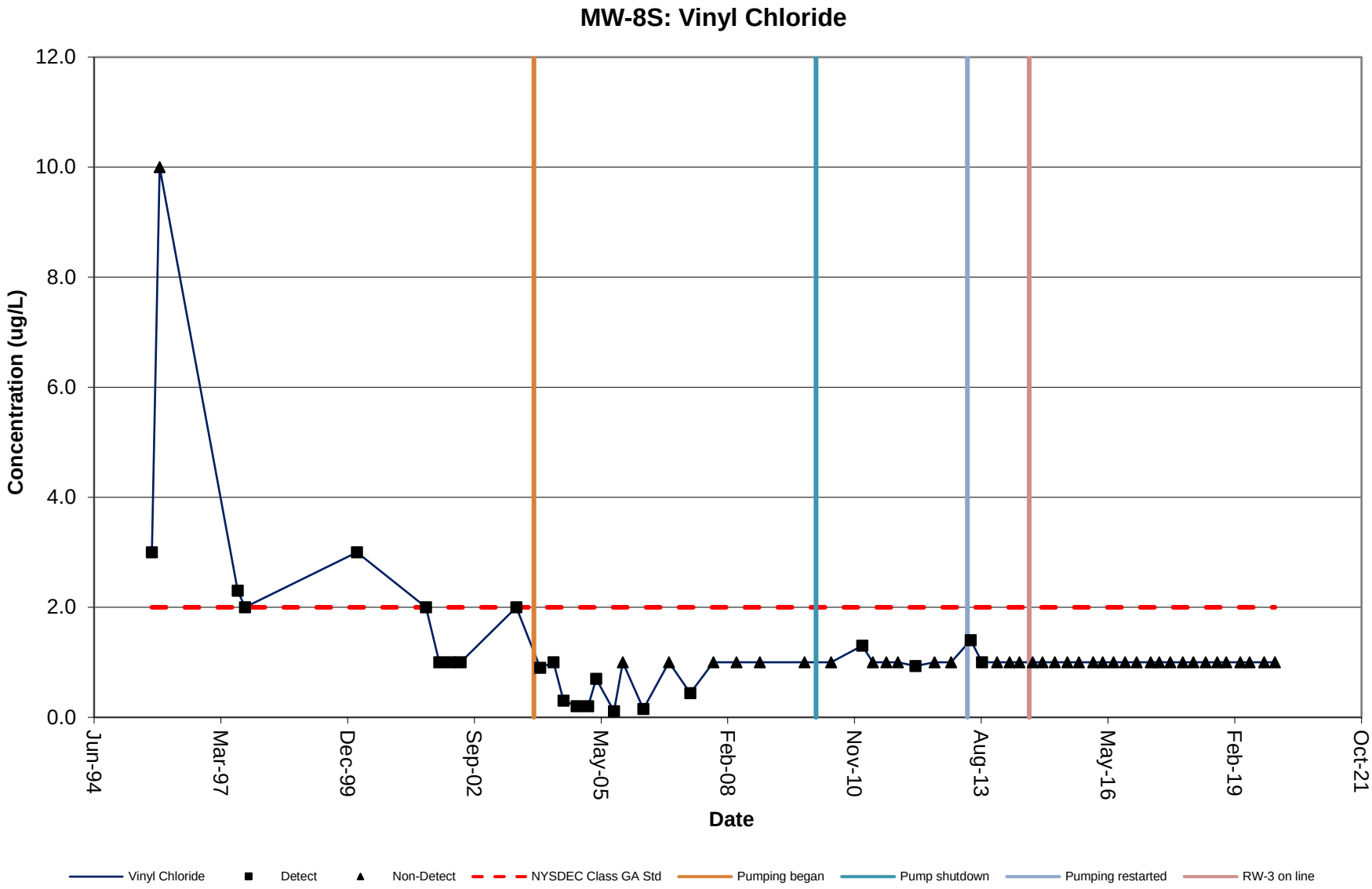

MW-7DD: TCE
Concentration (ug/L)
0
1
2
3
4
5
6
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

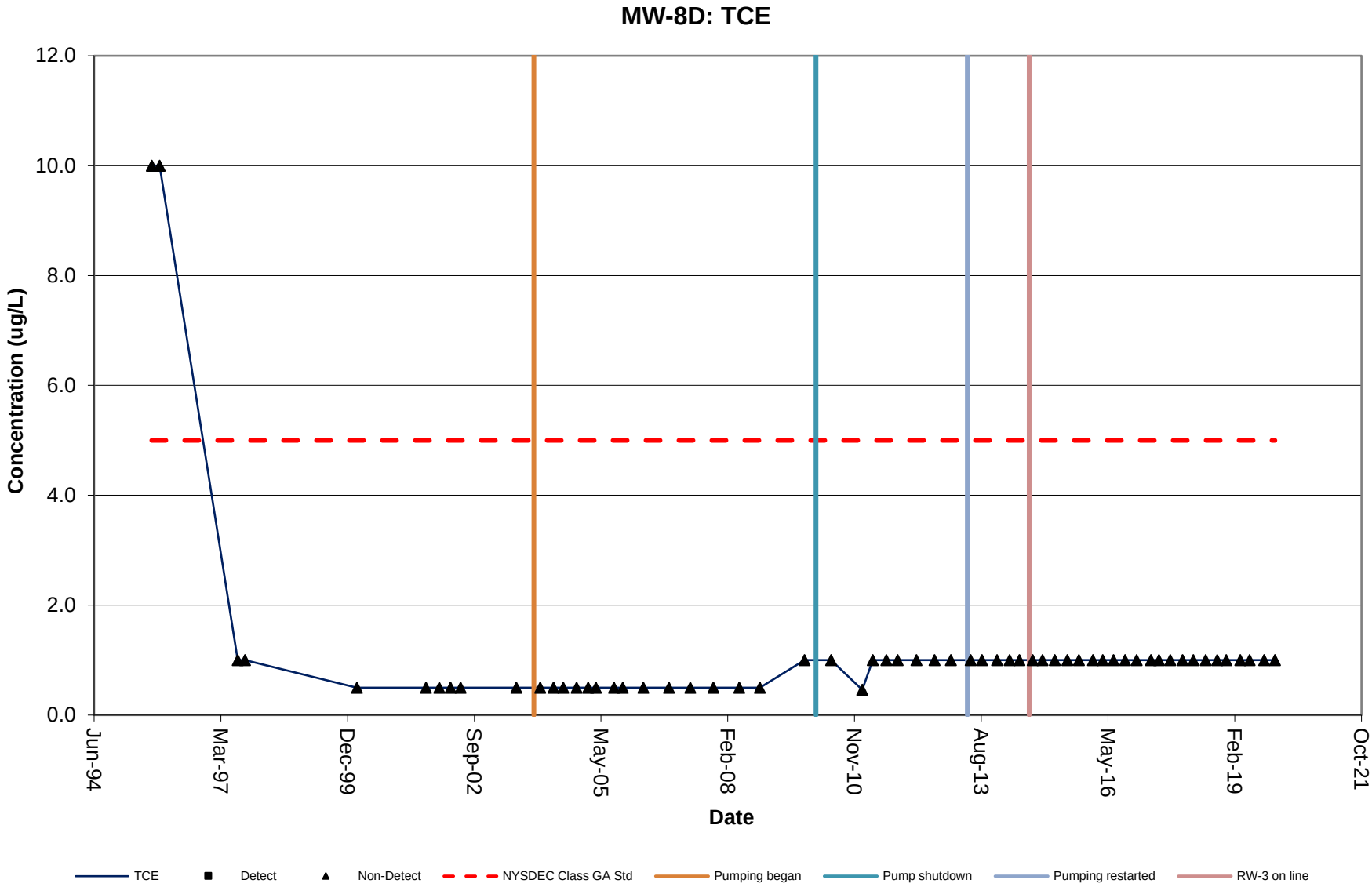

MW-7DD: cis-1,2-DCE
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
Pumping restarted
RW-3 on line

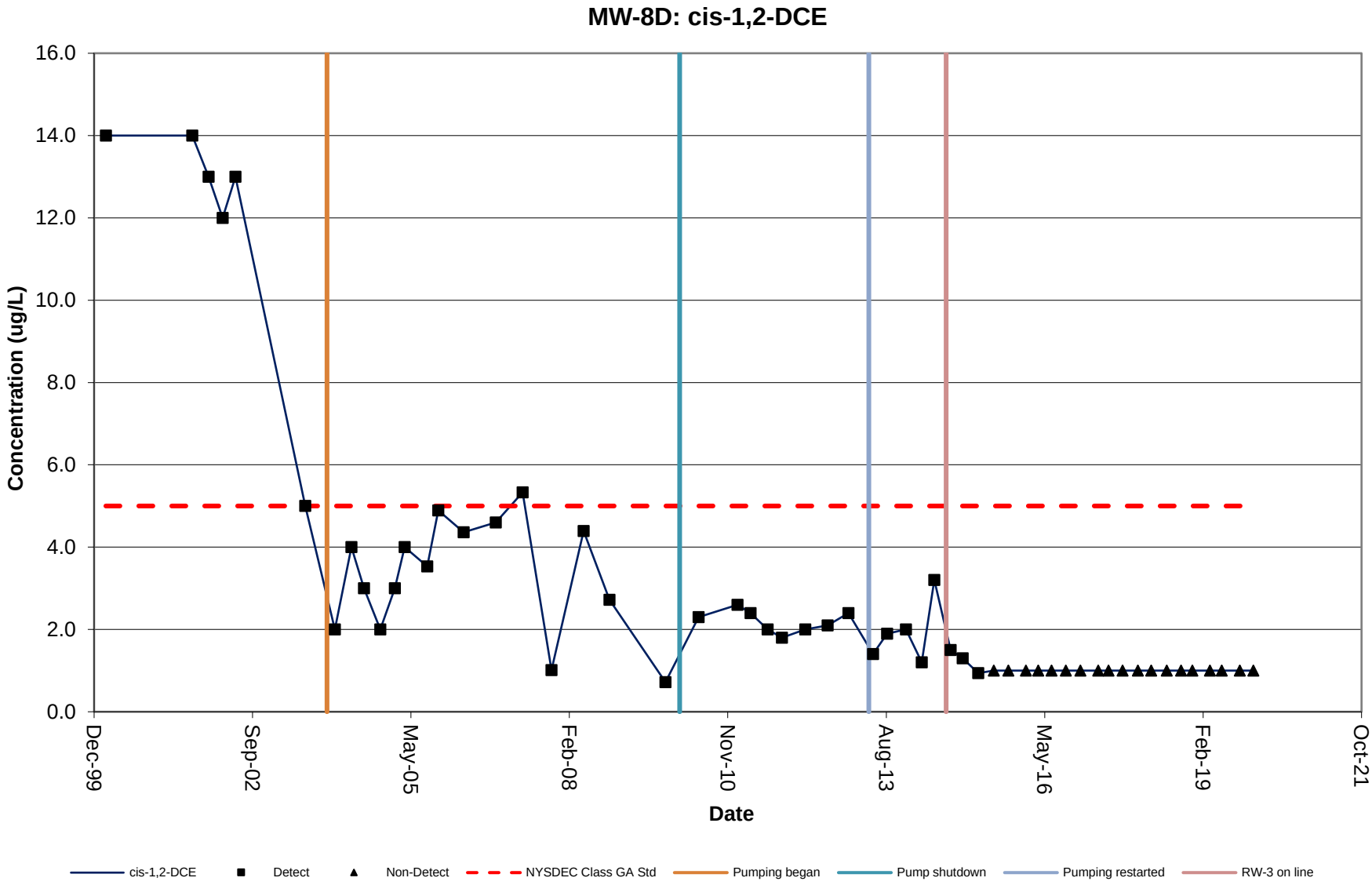

MW-7DD: Vinyl Chloride
Concentration (ug/L)
10
9
8
7
6
5
4
3
2
1
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

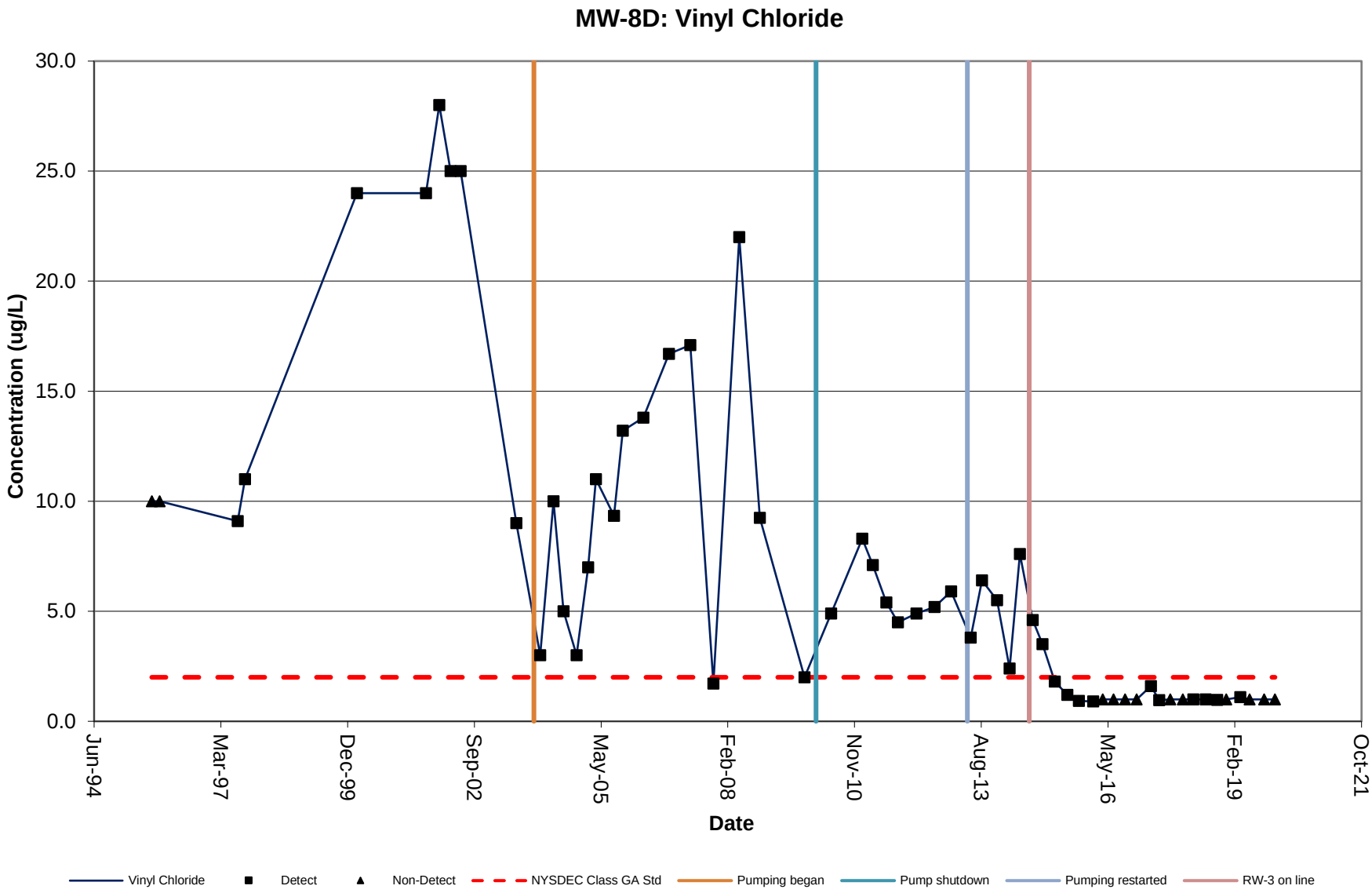

MW-8S: TCE
Concentration (ug/L)
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

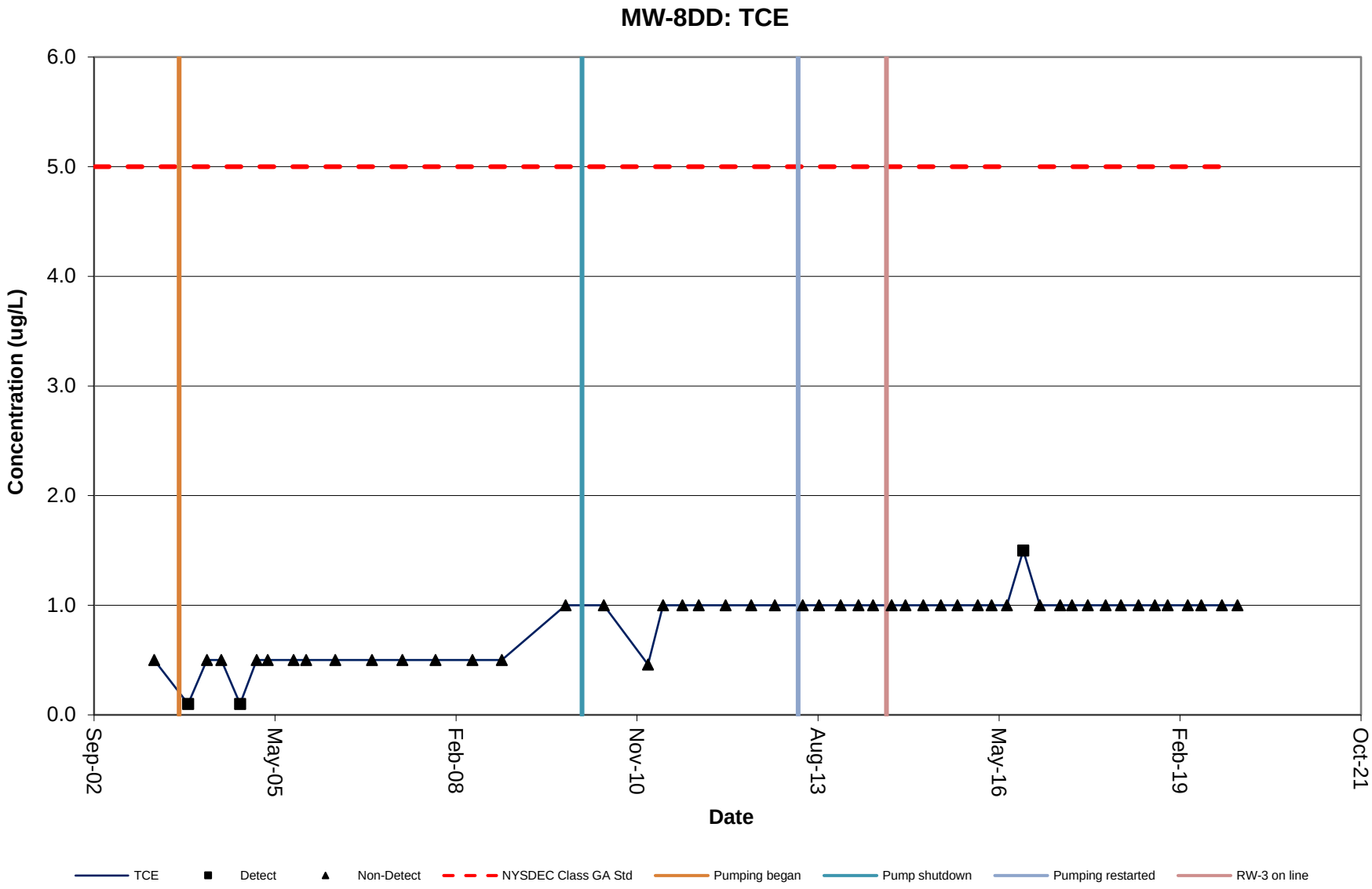

MW-8S: cis-1,2-DCE
Concentration (ug/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

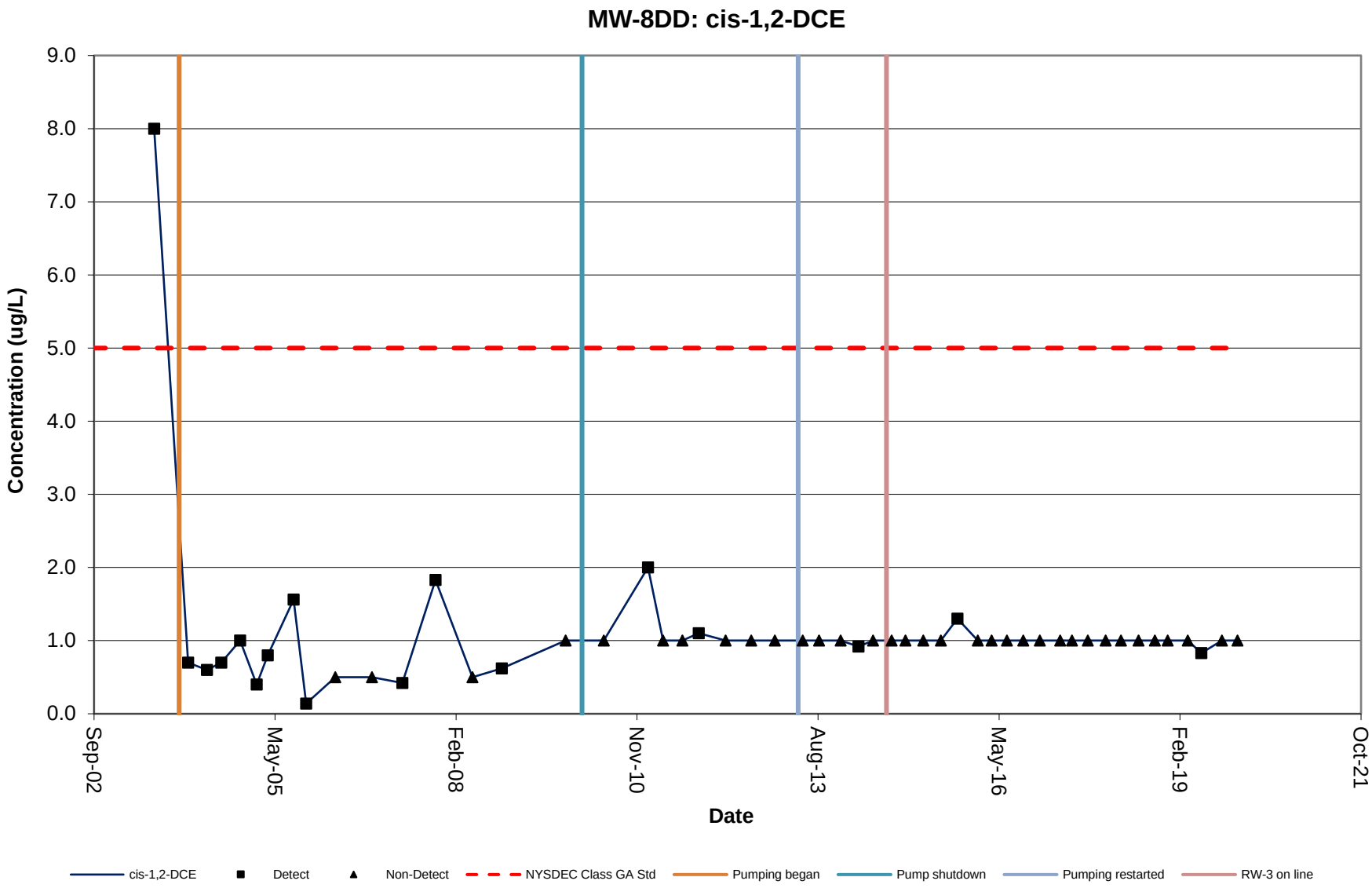

MW-8S: Vinyl Chloride
Concentration (ug/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

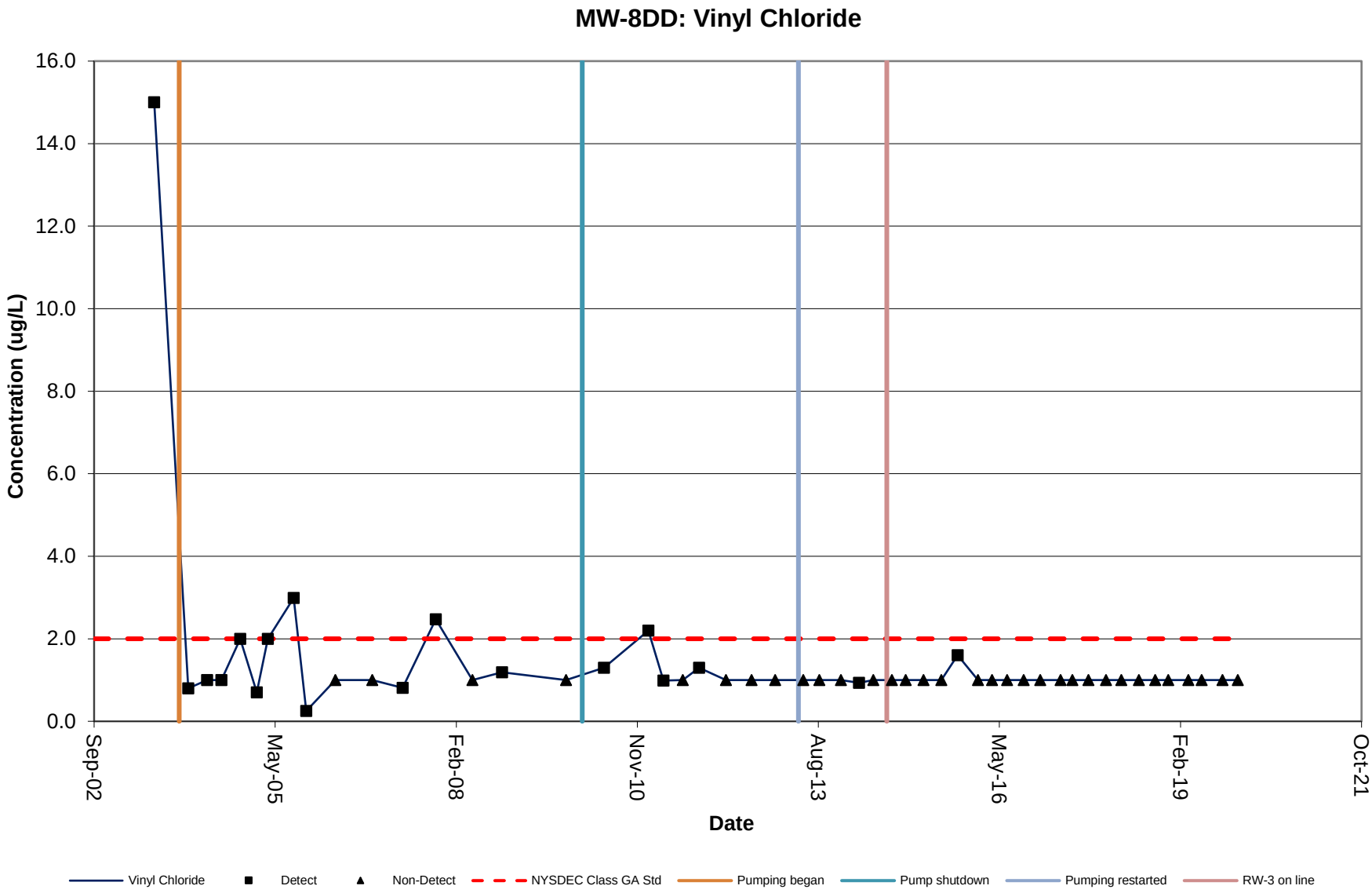

MW-8D: TCE
Concentration (ug/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

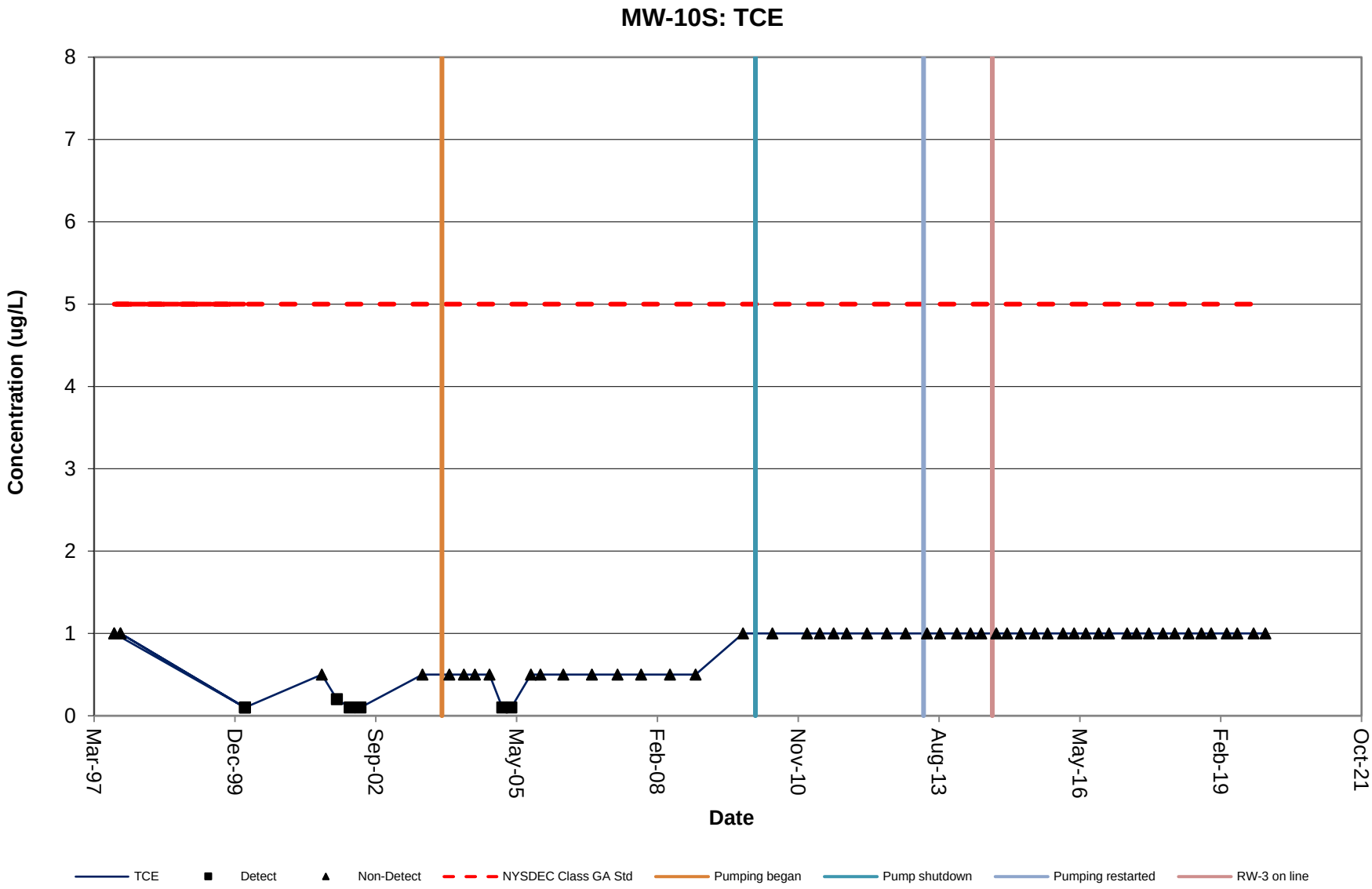

MW-8D: cis-1,2-DCE
Concentration (ug/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

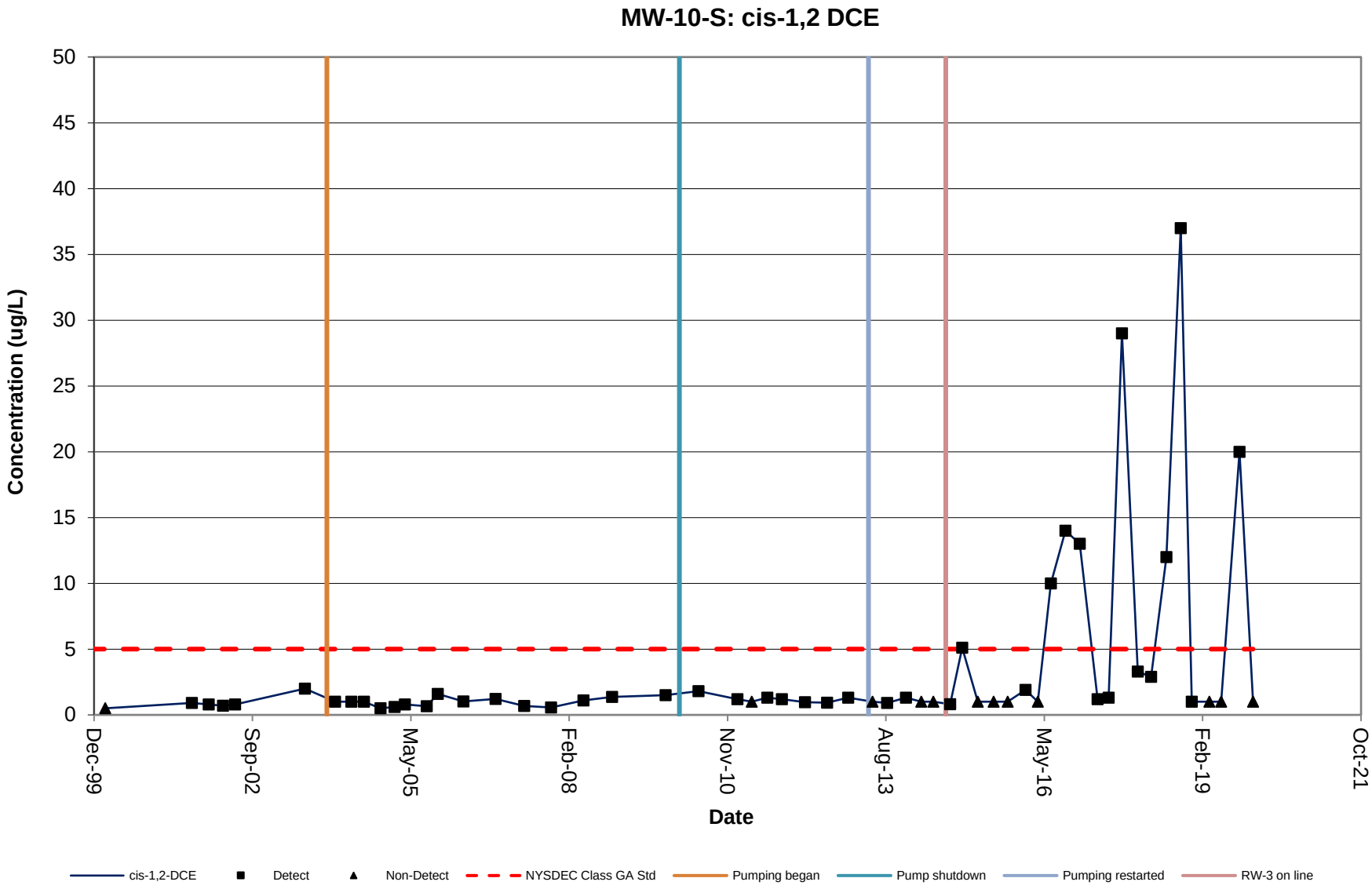

MW-8D: Vinyl Chloride
Concentration (ug/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

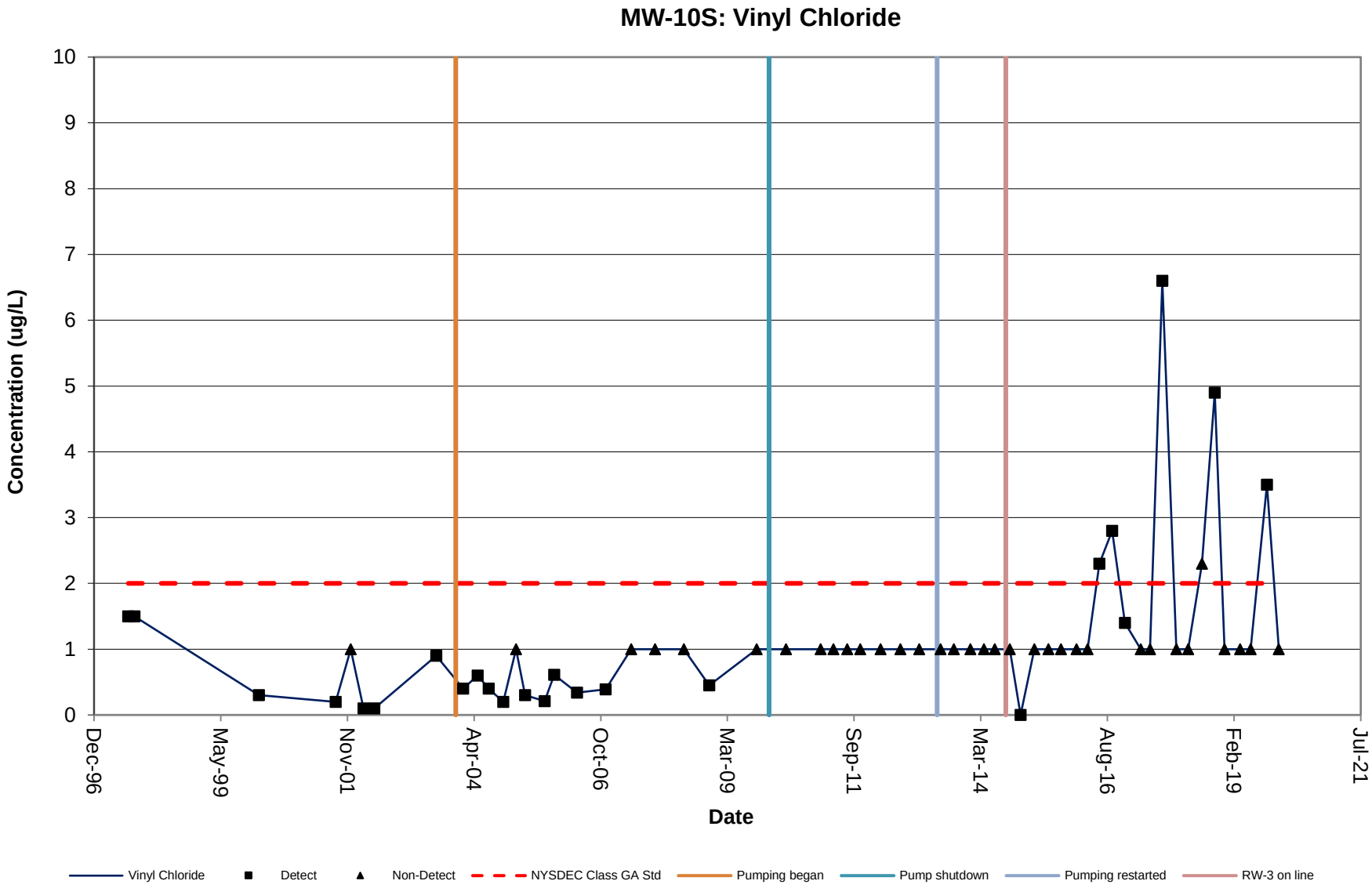

MW-8DD: TCE
Concentration (ug/L)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

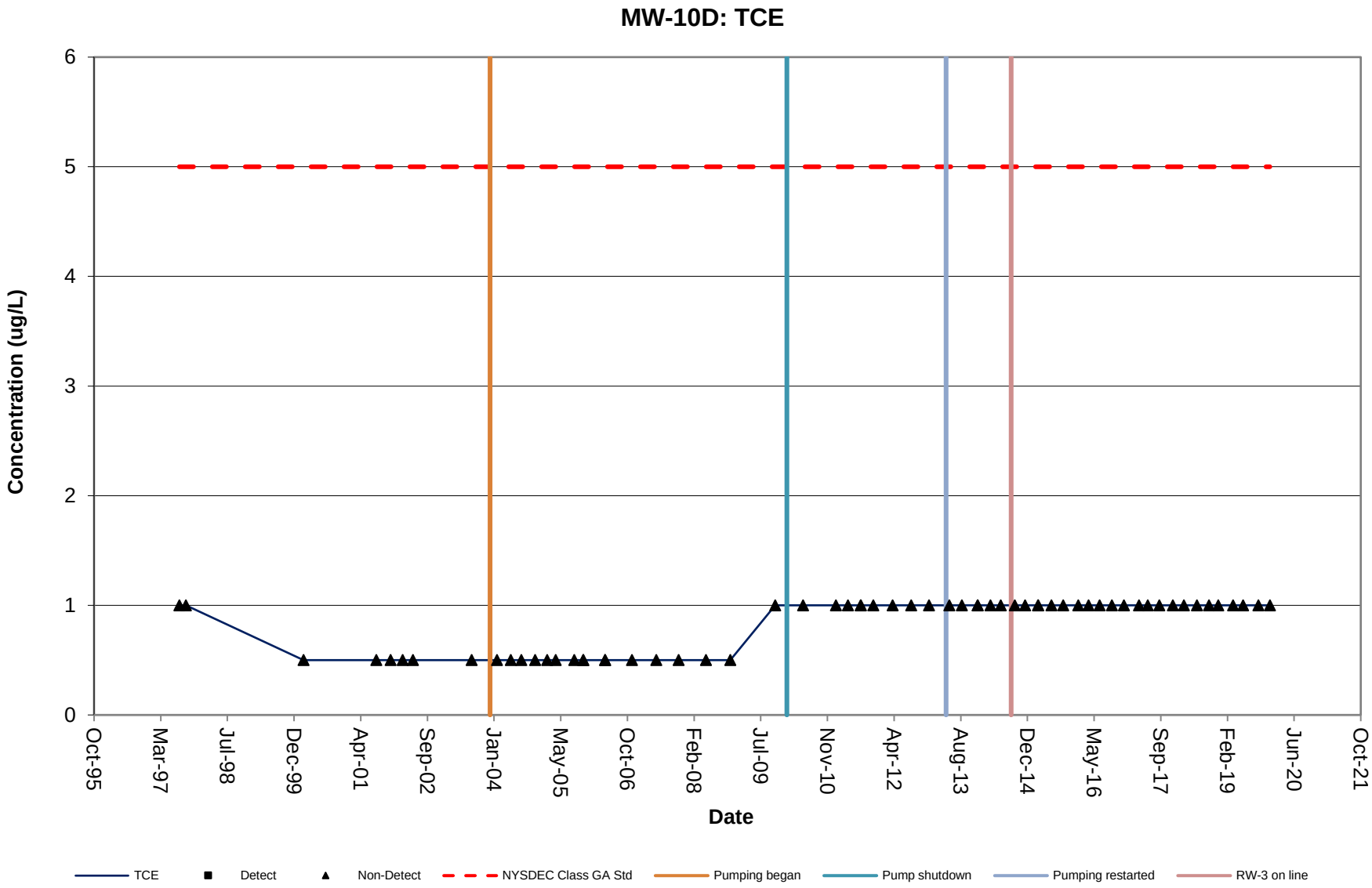

MW-8DD: cis-1,2-DCE
Concentration (ug/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

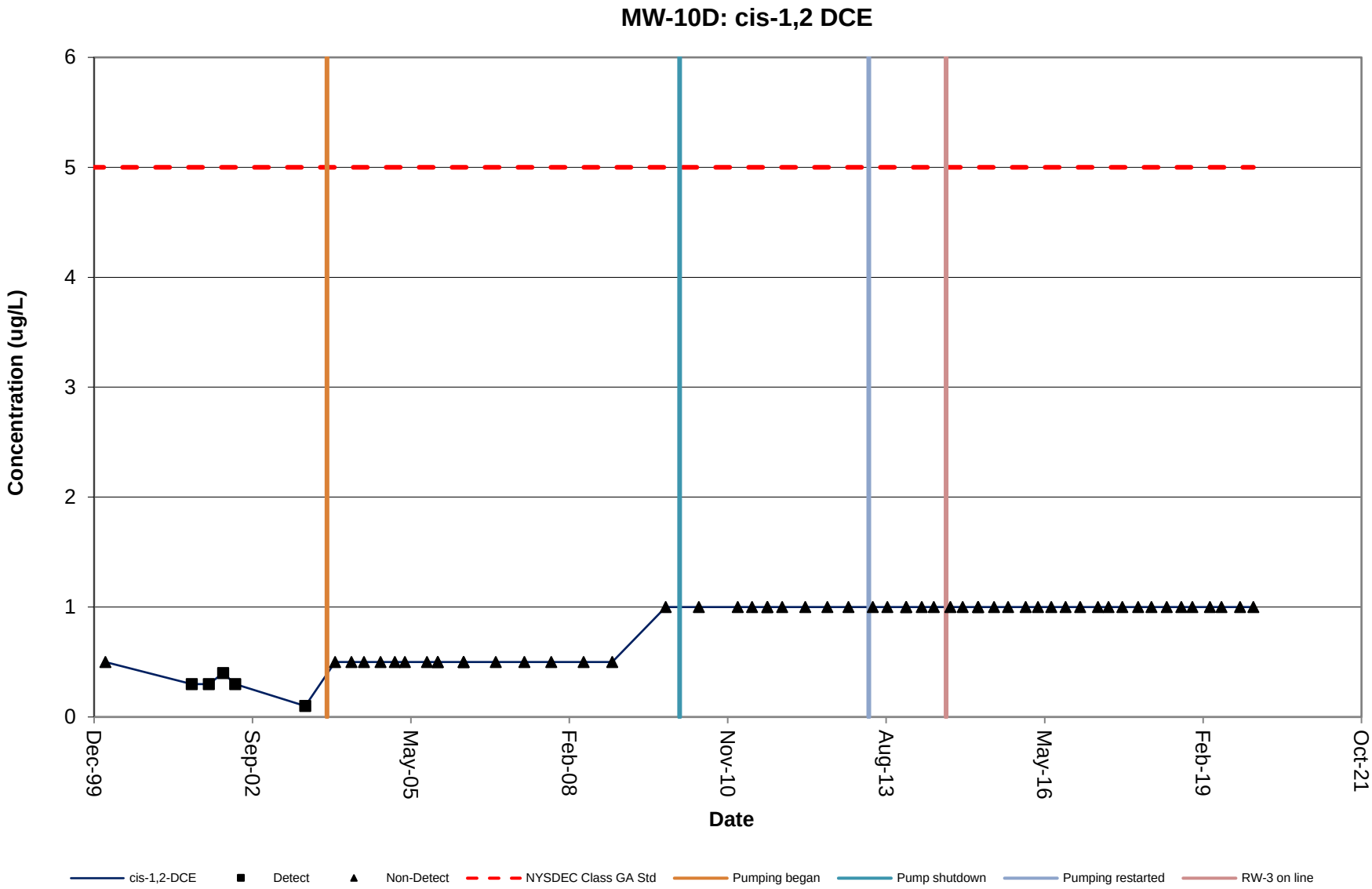

MW-8DD: Vinyl Chloride
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

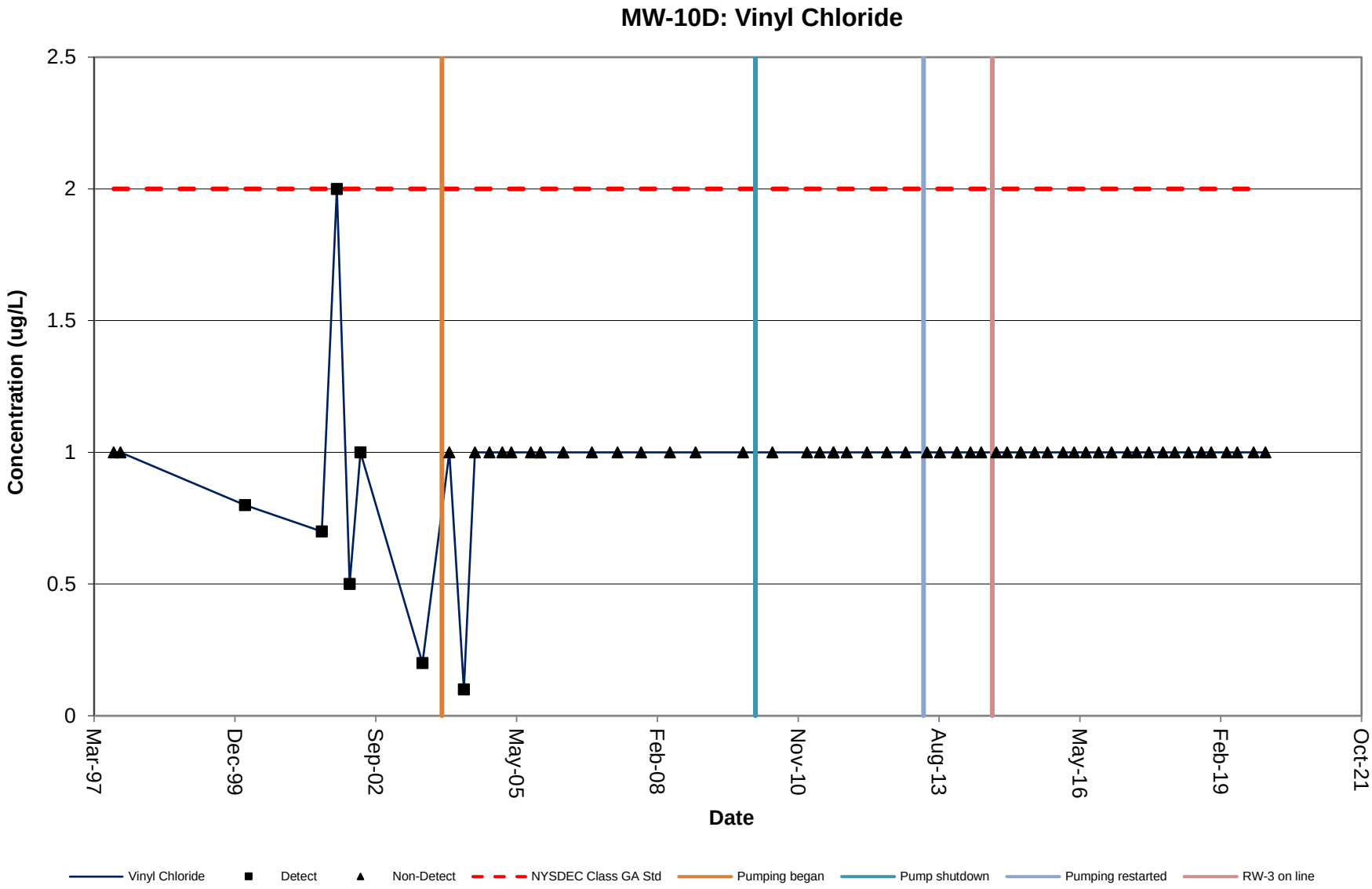

MW-10S: TCE
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line


MW-10-S: cis-1,2 DCE
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line


MW-10S: Vinyl Chloride
Concentration (ug/L)
10
9
8
7
6
5
4
3
2
1
0
Dec-96
May-99
Nov-01
Apr-04
Oct-06
Mar-09
Sep-11
Mar-14
Aug-16
Feb-19
Jul-21
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

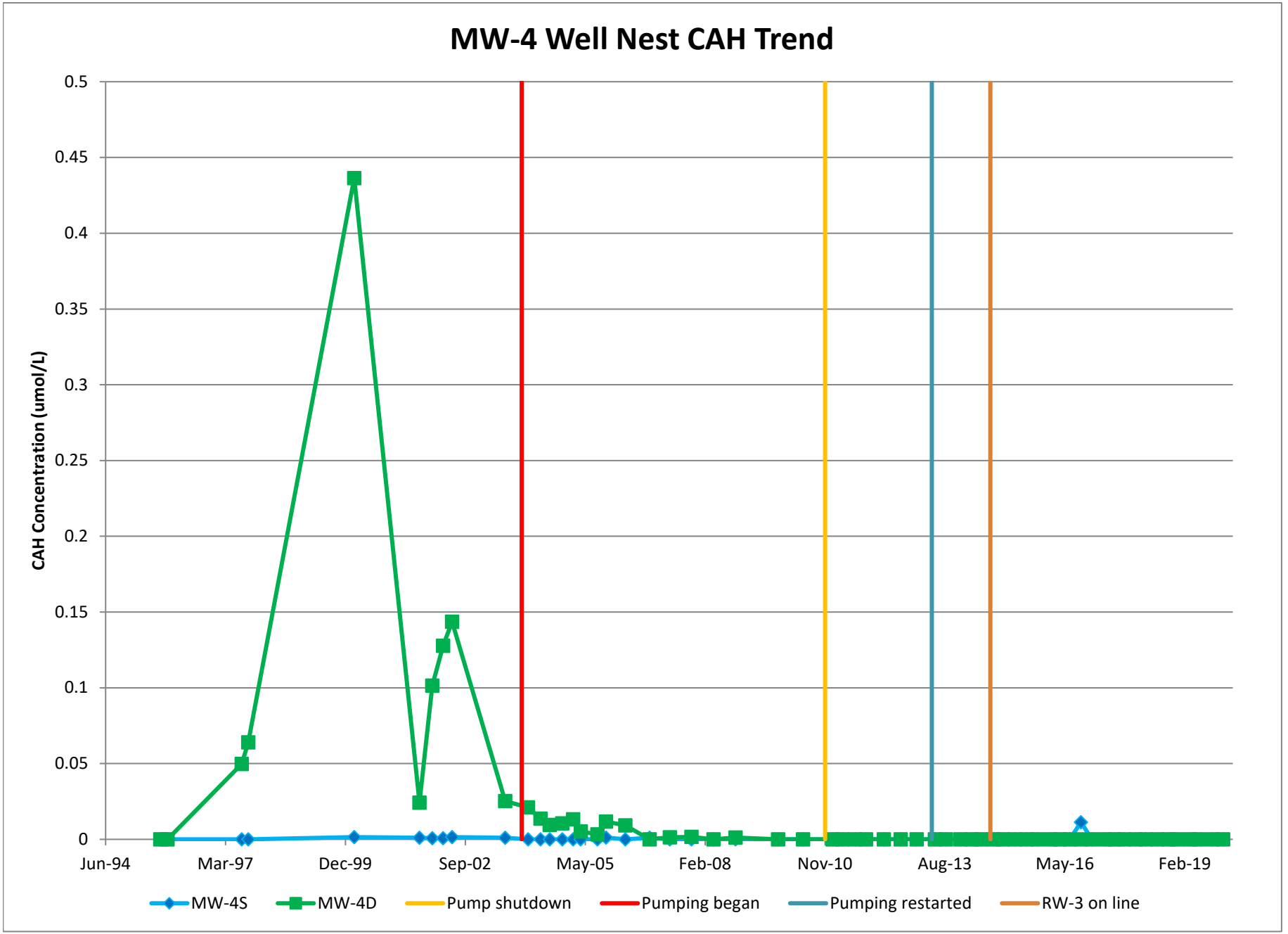

MW-10D: TCE
Concentration (ug/L)
0
1
2
3
4
5
6
Oct-95
Mar-97
Jul-98
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
Nov-10
Apr-12
Aug-13
Dec-14
May-16
Sep-17
Feb-19
Jun-20
Oct-21
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

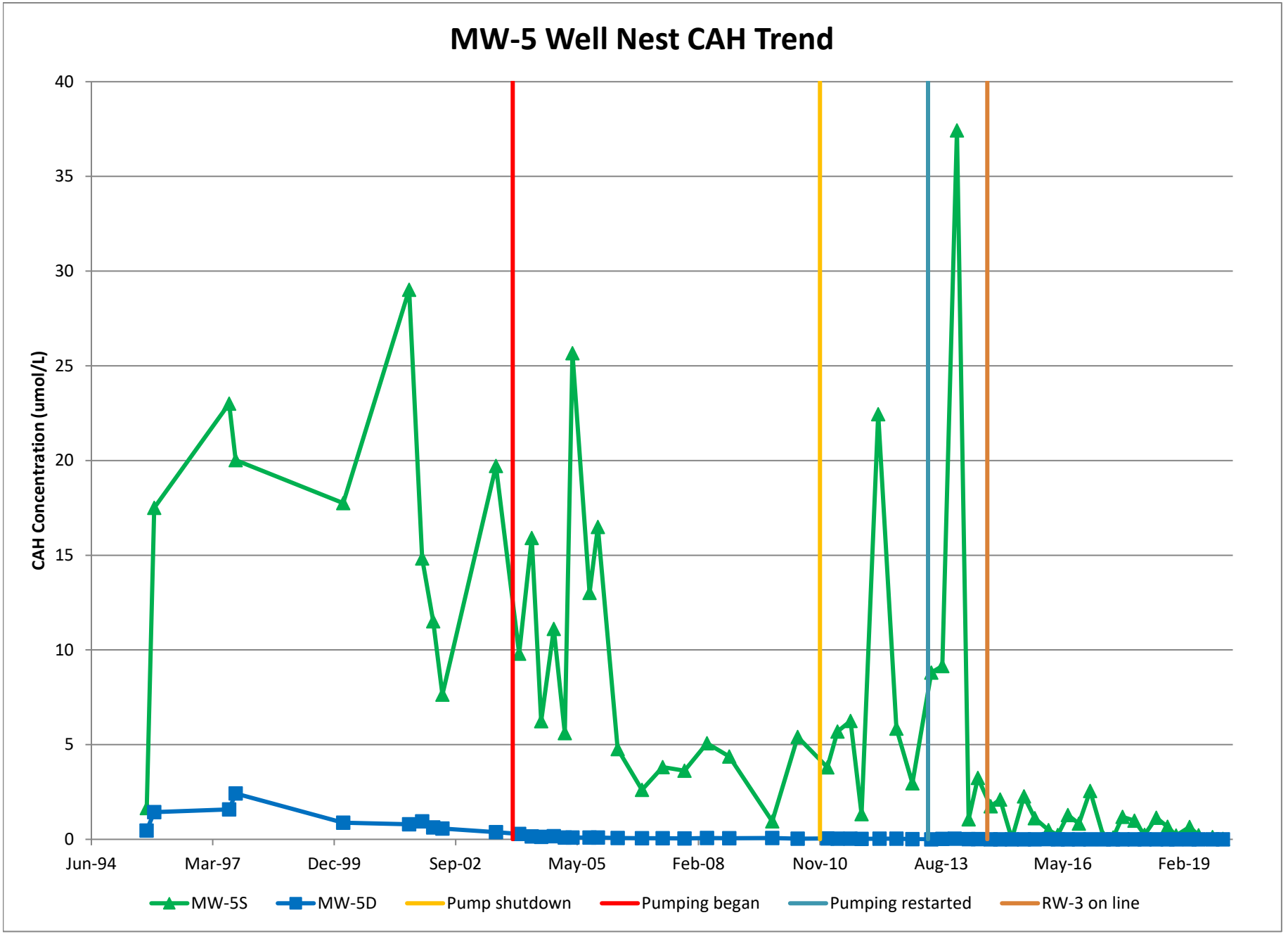

MW-10D: cis-1,2 DCE
Concentration (ug/L)
0
1
2
3
4
5
6
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

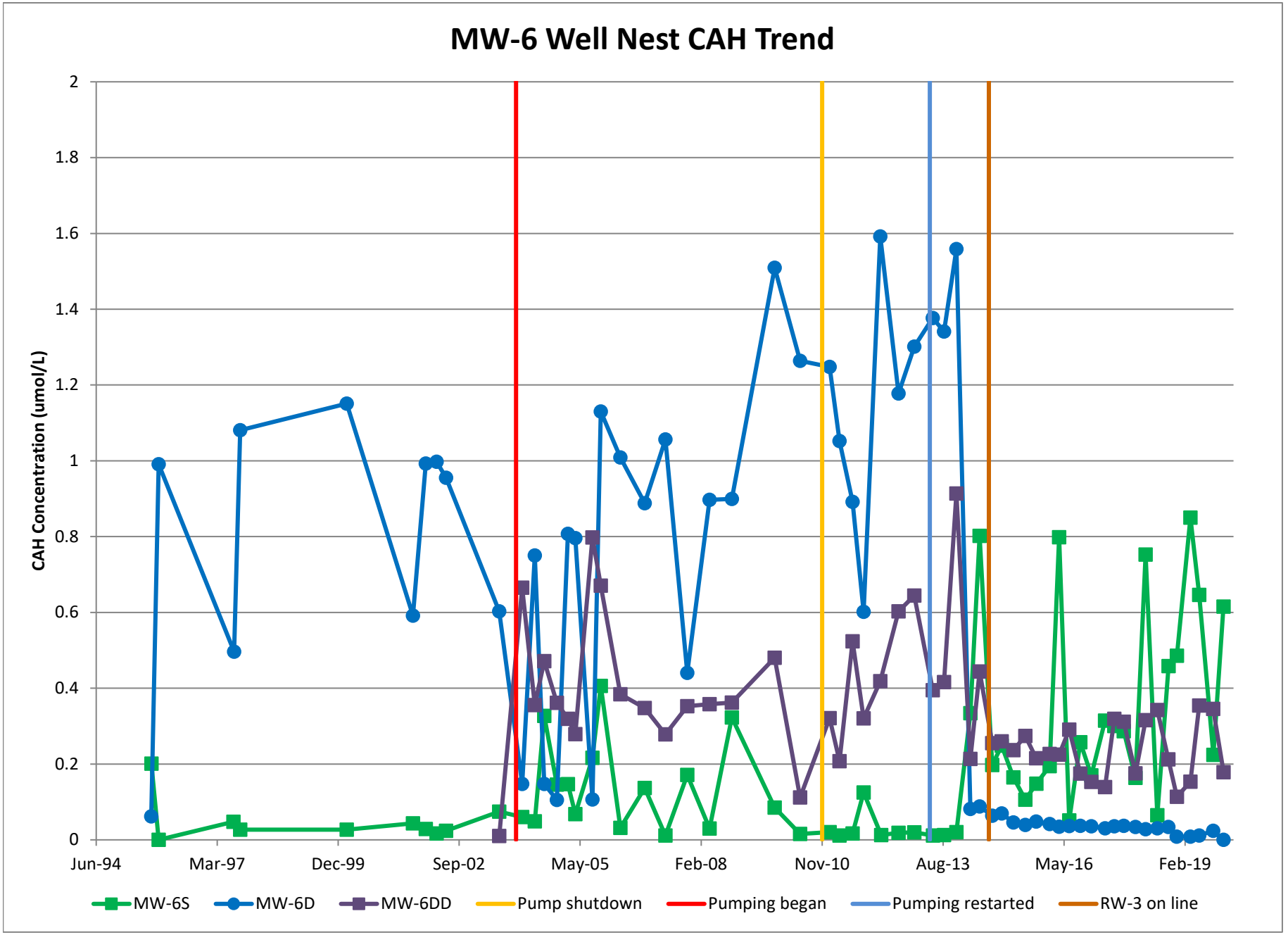

MW-10D: Vinyl Chloride
Concentration (ug/L)
2.5
2
1.5
1
0.5
0
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Oct-21
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

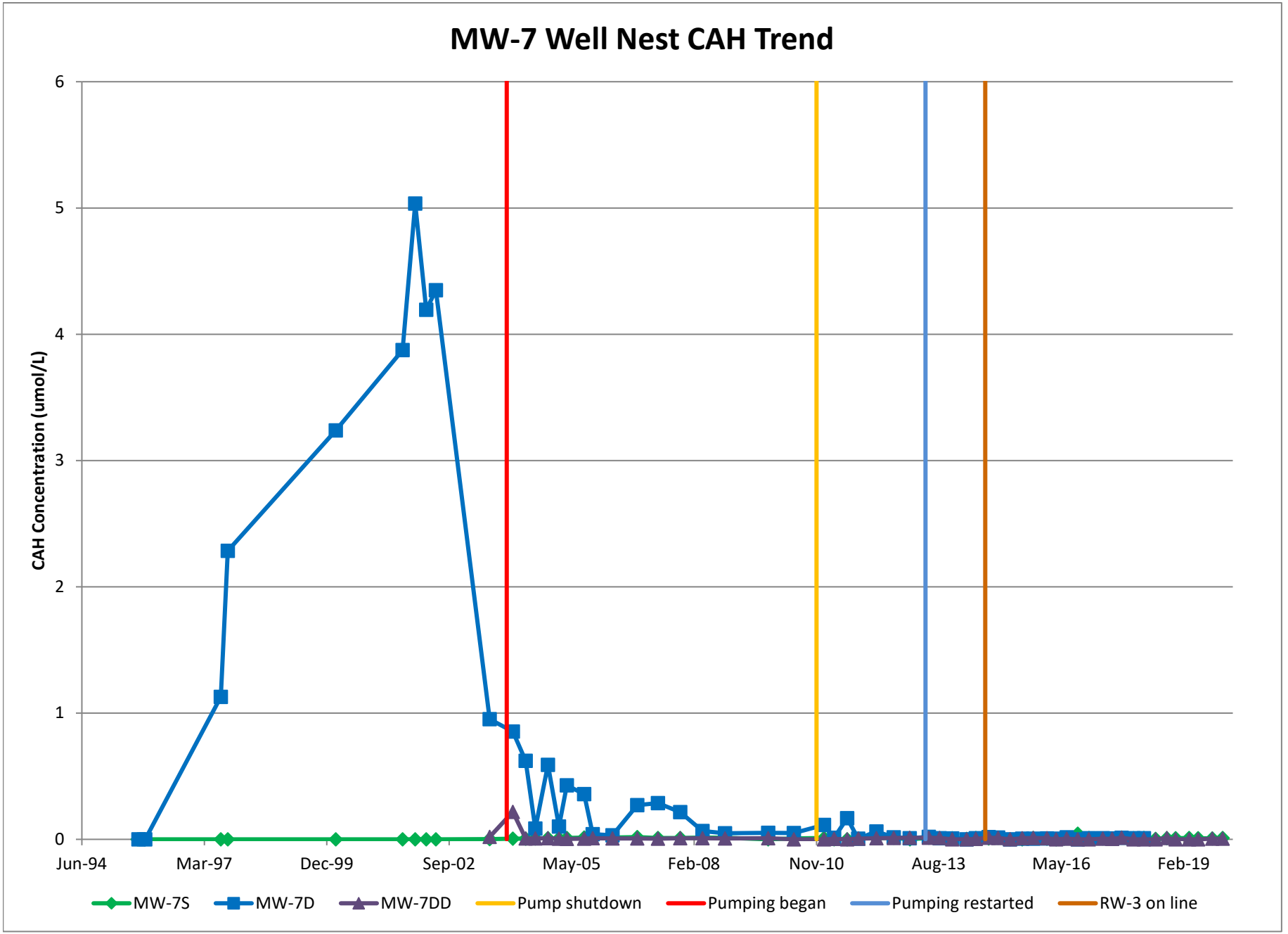
APPENDIX **E**

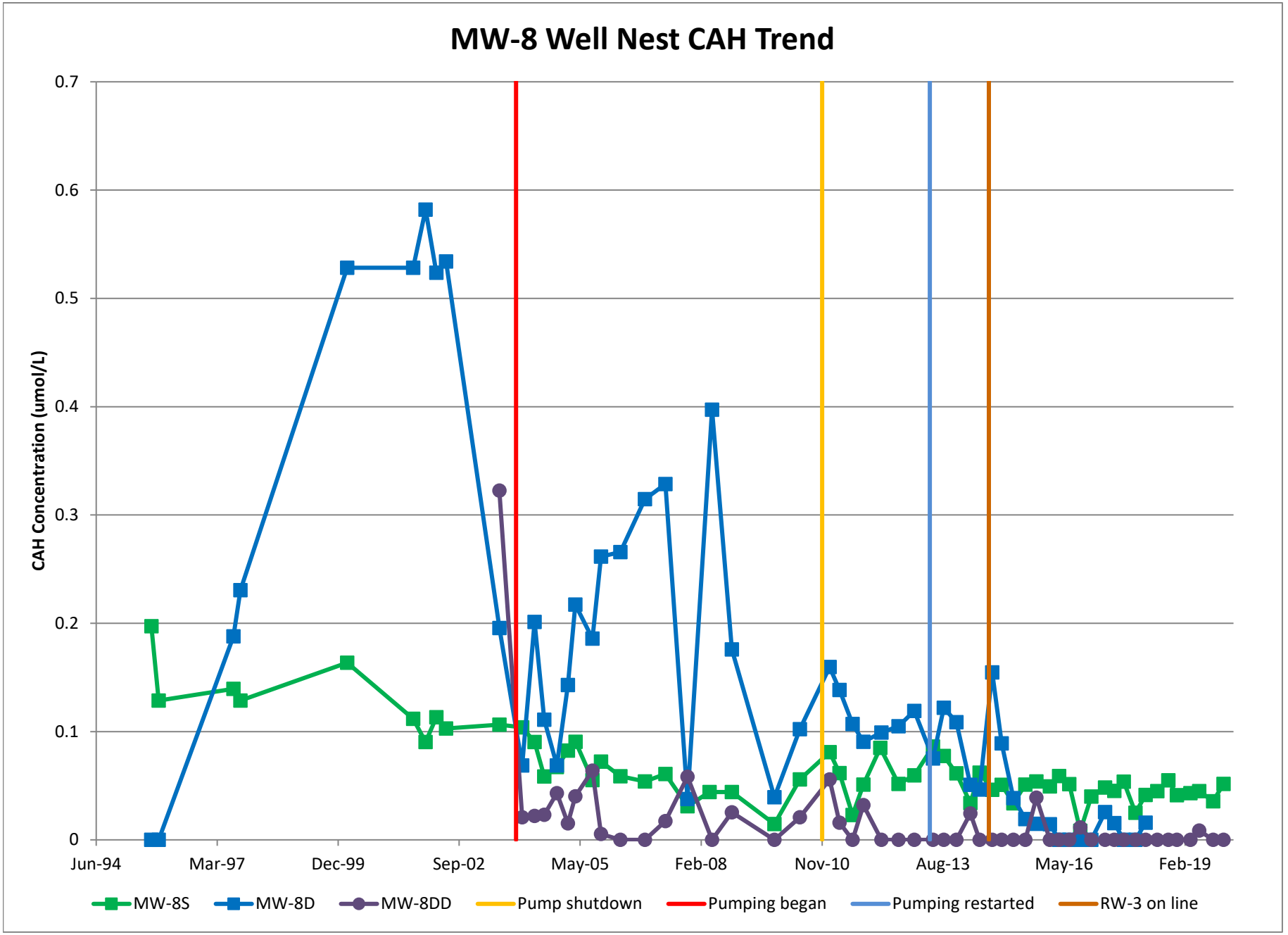
CAH MASS TREND

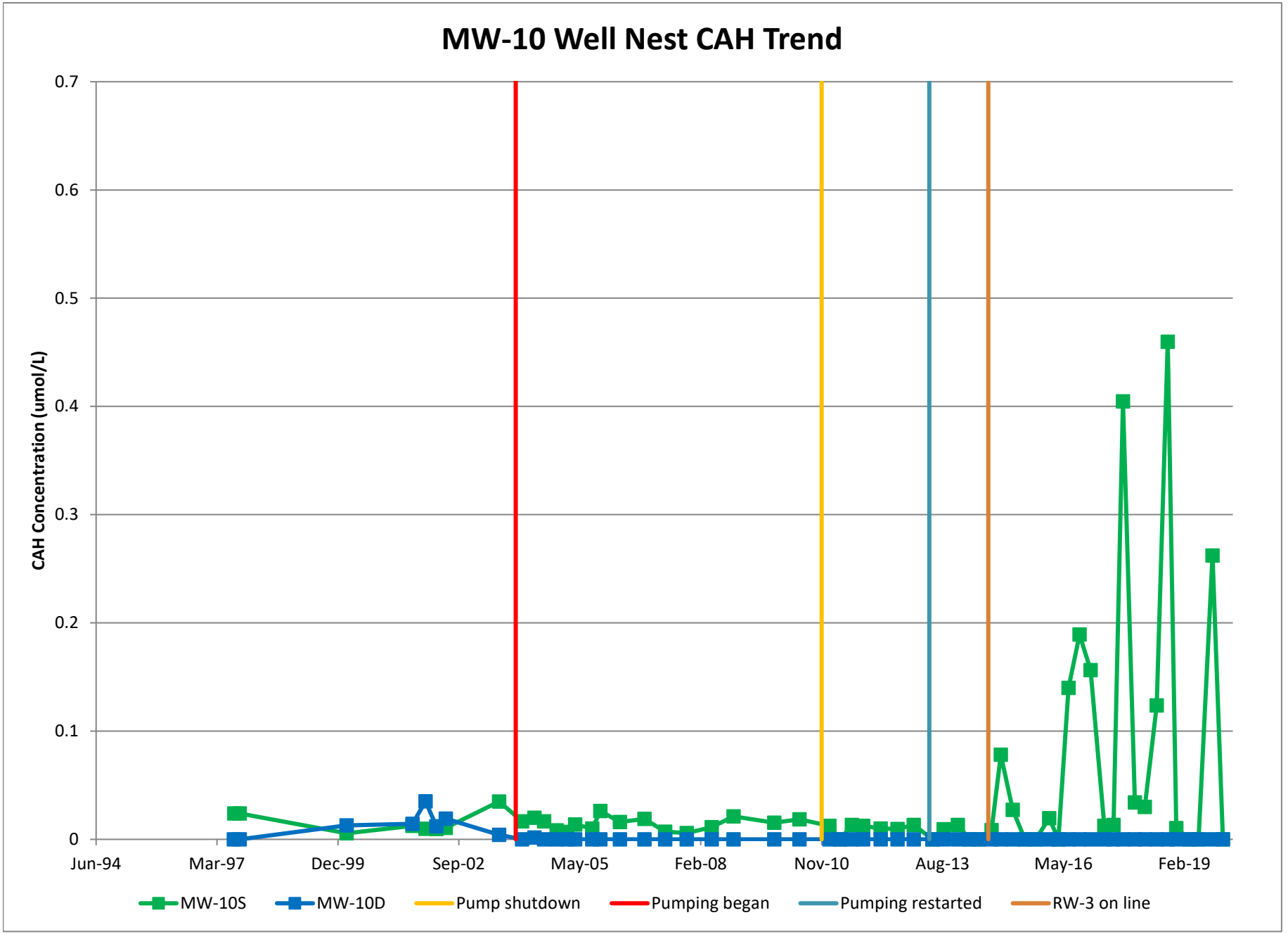

MW-4 Well Nest CAH Trend
CAH Concentration (umol/L)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-4S
MW-4D
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-5 Well Nest CAH Trend
CAH Concentration (umol/L)
40
35
30
25
20
15
10
5
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-5S
MW-5D
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-6 Well Nest CAH Trend
CAH Concentration (umol/L)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-6S
MW-6D
MW-6DD
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-7 Well Nest CAH Trend
CAH Concentration (umol/L)
6
5
4
3
2
1
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-7S
MW-7D
MW-7DD
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-8 Well Nest CAH Trend
CAH Concentration (umol/L)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-8S
MW-8D
MW-8DD
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-10 Well Nest CAH Trend
CAH Concentration (umol/L)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-10S
MW-10D
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line