OBG

2017 ANNUAL REPORT

Remedial Work Element 2 (Groundwater)
Forest Glen Superfund Site
Niagara Falls, New York

The Goodyear Tire & Rubber Company
Akron, Ohio

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2017 Annual Report
Remedial Work Element 2
(Groundwater)
Forest Glen Superfund Site

Niagara Falls, New York

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EXECUTIVE SUMMARY

This document is the 2017 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 9,836,590 gallons of groundwater for treatment at the Niagara Falls Wastewater Treatment Plant during 2017. The groundwater recovery system was on-line 100% of the year and actively pumped for nearly 95% of the period.

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 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.

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 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, but since 2013 have generally been 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 within its historic range of values.

Continued monitoring and operation of the groundwater recovery system is also 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 has been above the MCL between March 2014 and September 2017. The concentration of vinyl chloride in MW-6S showed an increase since starting operation of RW-3, but appears to be declining since March 2016.

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, which historically were below MCLs and Class GA groundwater standards from August 1997 through March 2016, have periodically been detected above the cis-1,2-DCE Class GA groundwater standard and vinyl chloride MCL since. Cis-1,2-DCE was detected at concentrations above the MCL during the second, third, and fourth quarters of 2016 and the third quarter of 2017. Vinyl chloride was detected at concentrations above the MCL during the second and third quarters of 2016 and the third quarter of 2017.

In summary, during 2017 chlorinated aliphatic hydrocarbon (CAHs) including TCE, cis-1,2-DCE, and vinyl chloride were the compounds detected at concentrations exceeding MCLs and/or Class GA groundwater standards. The groundwater quality data generated to date indicates that the highest concentrations of CAHs in the shallow and deep bedrock on-Site have consistently been detected in the MW-5S/D well nest. To the south of MW-5S/D, CAHs at well nest MW-6S/D/DD have been, in general, above MCLs but their concentrations were approximately an order of magnitude lower than those observed in MW-5S, except vinyl chloride at MW-6S and MW-6DD.

1. INTRODUCTION

1.1 GENERAL

This document is the 2017 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 2017.

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, Section 3 presents a summary of modifications made to the groundwater remediation system, and Section 4 provides a summary of groundwater monitoring.

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 (**Figure 1**). 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 and Town runs north and south through the Site, with the City on the west and the Town on the east. There are approximately 21.5 acres in the City and 7.5 acres in the Town.

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 site 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-site
- RWE-2 was established to address groundwater.

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 (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-site 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 2**.

- 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.

During September 2017, the USEPA completed its Fifth Five-Year Review Report for the Site and concluded that the remedy currently protects human health and the environment based upon reviews of the 1998 and 1999 Records of Decision, Remedial Action Reports, Quarterly Groundwater Sampling Results, Annual Reports, and Site Inspection Reports since the last five-year review, as well as a site visit conducted by the USEPA on May 31, 2017.

2. GROUNDWATER RECOVERY AND DISCHARGE

2.1 GENERAL

A total of 9,836,590 gallons of groundwater were recovered during 2017. **Table 1** below presents a summary of the volumes recovered each month.

Table 1. Monthly Summary

Month	RW-1 volume (gallons)	RW-2 volume (gallons)	RW-3 volume (gallons)	Total volume (gallons)	Remarks
January	200,785	182,633	385,785	769,203	90% operation permitted by Regulator No. 6C.
February	163,653	153,269	259,893	576,815	88% operation permitted by Regulator No. 6C.
March	167,475	164,716	256,365	588,556	88% operation permitted by Regulator No. 6C.
April	140,016	132,344	226,487	498,847	84% operation permitted by Regulator No. 6C.
May	123,780	126,427	193,910	444,117	86% operation permitted by Regulator No. 6C.
June	301,965	335,130	177,031	814,126	89% operation permitted by Regulator No. 6C.
July	256,819	326,694	215,298	798,811	90% operation permitted by Regulator No. 6C.
August	415,517	440,625	195,329	1,051,471	90% operation permitted by Regulator No. 6C.
September	419,778	420,837	208,372	1,048,987	93% operation permitted by Regulator No. 6C.
October	430,054	430,028	252,219	1,112,301	96% operation permitted by Regulator No. 6C.
November	406,282	408,685	228,790	1,043,757	95% operation permitted by Regulator No. 6C.
December	448,257	422,057	219,285	1,089,599	99% operation permitted by Regulator No. 6C.
2017 Total	3,474,393	3,543,435	2,818,762	9,836,590	

Source: OBG

2.2 QUARTERLY GROUNDWATER DISCHARGE SAMPLING

In accordance with the Significant Industrial User (SIU) permit, effluent samples were collected for analyses of VOCs including vinyl chloride (VC), 1,1-dichloroethylene (1,1-DCE), 1,2-dichloroethylene (1,2-DCE, cis and trans), 1,1-dichloroethane (1-1-DCA), trichloroethylene (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, 2016 to February 28, 2017: RW-1, RW-2 and RW-3 sampled on December 19 and 20, 2016.
- March 1, 2017 to May 31, 2017: RW-1, RW-2 and RW-3 sampled on April 10 and 11, 2017.
- June 1, 2017 to August 31, 2017: RW-1, RW-2 and RW-3 sampled on June 26 and 27, 2017.
- September 1, 2017 to November 30, 2017: RW-1, RW-2 and RW-3 sampled on September 12, 2017.

The self-monitoring laboratory reports for 2017 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

May 31, 2017: In the second quarter of 2017 a decrease in the groundwater recovery rates at RW-1 and RW-2 was observed. The pumping rates at both RW-1 and RW-2 had diminished down to approximately 3 gallons per minute (GPM) each. Both pumps were removed and mechanically cleaned before being set back in the well and returned to service. Following the cleaning process, the recovery rate at RW-1 and RW-2 increased to approximately 9 and 10 GPM, respectively.

Week of July 10, 2017: A release of untreated groundwater occurred at the site when a valve to the refrigerated sampler was inadvertently left open allowing water to discharge onto the floor of the RW-1/RW-2 enclosure. As follow up to the incident, the following action(s) and system improvements have been made to reduce the likelihood of the incident occurring again.

- The refrigerated sampler was disconnected from the groundwater recovery system and a plug was installed downstream of the valve that once isolated the refrigerated sampler from the system. This will prevent a release of groundwater in event the valve is opened.
- The Standard Operating Procedure (SOP) for the discharge monitoring sampling was updated and a hardcopy was posted at the RW-1, RW-2 and RW-3 enclosures. In addition, on-site refresher training on the sampling SOPs was conducted with field sampling personnel.
- Goodyear assessed the potential installation of a perimeter curb within the RW-1 and RW-2 shed to provide secondary containment and leak detection.

August 3, 2017: The original/problematic flow transmitters for RW-1 and RW-2 were replaced with new flow transmitters. Proper operation of flow transmitters and local displays was verified.

August 4, 2017: The existing analog autodialer was replaced with a Sensaphone SCADA 3000 cellular autodialer system capable of being accessed via the internet. The Sensaphone system replaced the analog autodialer software which required an analog land line (telephone) for access and data download. The upgrade of the system provides better ability to monitor the system remotely in addition to the weekly site inspections. The upgraded Sensaphone sentinel communicates via integral cellular modem and only requires MS Internet Explorer to access the unit. Therefore, real time data and historical data on recovery well flows and system status can be accessed via the internet.

December 4-6, 2017: Maintenance personal installed a secondary containment curb around the perimeter of the RW-1 and RW-2 enclosure. A 6-inch concrete curb was formed and poured on all four sides of the existing enclosure walls. A level switch alarm was installed within the secondary containment that detects water collecting in the curb area. The level switch alarm was connected to the cellular autodialer which will provide notification to system operators in event of water accumulating in the curbed area. In Spring 2018, a concrete coating will be applied along the floor and interior side of the curb.

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 (April, June, September and December 2017) to represent the 2017 period. 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 elevations are shown on **Figures 4 and 5** for April 2017, respectively; **Figures 6 and 7** for June 2017, respectively; **Figures 8 and 9** for September 2017, respectively; and **Figures 10 and 11** for December 2017, respectively. Baseline shallow and deep bedrock groundwater contour maps, prepared using data collected on February 14, 2000 are presented as **Figures 12 and 13**. 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 April, June, September and December 2017 shallow and deep bedrock groundwater elevation contour maps (**Figures 4 through 11**) demonstrates 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

Groundwater samples were collected for VOC analyses from 17 monitoring wells including: 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 on four occasions (April, June, September, and December 2017) to represent 2017. In accordance with the Long-Term Groundwater Monitoring Plan (OBG, 2004c), the wells were sampled using low flow purging and sampling methods.

The samples were submitted to 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 2015 and 2017 are presented in **Table 3**, and between system startup on December 19, 2003 and 2017 on **Table 4**. **Table 4** also presents historic groundwater data for the wells, collected prior to completing construction of the groundwater recovery system and the Part 360 cover on-site.

In addition to the VOC analyses, samples were analyzed for geochemical and dissolved gas parameters (methane, ethane, ethene, sulfide, chloride, alkalinity, total organic carbon, sulfate, nitrate, nitrite, dissolved ferrous iron, total dissolved iron, and total dissolved manganese) during 2017 (April and September). Previously, these geochemical and dissolved gas parameters were analyzed on an annual basis through 2010, a quarterly basis during 2011 and 2014, and on three occasions during 2012 and 2013 to evaluate if favorable conditions exist for natural attenuation. **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**), CAH compounds have consistently been detected at the highest concentrations. The CAHs detected at the Site include trichloroethene (TCE), tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,1,2-trichloroethane (1,1,2-TCA), 1,2-dichloroethane (1,2-DCA), 1,1-dichloroethane (1,1-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), 1,1 dichloroethene (1,1-DCE), chloroethane, and vinyl chloride (VC). Of these CAHs, TCE and vinyl chloride are the compounds that have consistently been detected at concentrations exceeding MCLs and cis-1,2-DCE has consistently been detected above its Class GA groundwater standard. The groundwater quality data indicate that the highest concentrations of CAHs in the shallow and deep bedrock on-Site have consistently been detected in the MW-5S/D well nest. Since 2014 cis-1,2-DCE and VC concentrations show decreasing trends in MW-6D, and concentrations for these parameters appear to be stable in MW-6DD, where previously there were increasing concentration trends for cis-1,2-DCE and VC for these wells.

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-site and off-Property monitoring well is shown on **Figure 3**.

- To the east of MW-5S/D, CAHs were not detected above MCLs and Class GA groundwater standards at wells MW-1S/D, MW-2S, MW-9S, and MW-3S prior to the initiation of pumping in 2003. Since the initiation of pumping in 2003, CAHs have not been detected above MCLs and 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 MW-5S/D, at monitoring well nest MW-6S/D/DD, TCE concentrations have been below the MCL, and generally not detected, in the shallow, deep, and deeper bedrock since the initiation of groundwater monitoring. Concentrations of cis-1,2-DCE in the shallow bedrock (MW-6S) were generally below the Class GA groundwater standard prior to pumping in 2003 and during the period between January 2010 and April 2013 when a trial shutdown of the groundwater extraction system was conducted. During pumping periods, cis-1,2-DCE concentrations have been generally above the Class GA groundwater standard at MW-6S; however, concentrations have generally declined since the initiation of pumping at RW-3. Concentrations of VC were typically below the MCL, but showed a short-term increase between the initiation of pumping from RW-3 (August 2014) until March 2016, after which concentrations have been declining. In the deep bedrock at MW-6D, concentrations of cis-1,2-DCE has been below the Class GA groundwater standards since March 2014 and vinyl chloride has been below the MCL since March 2015. Concentrations of cis-1,2-DCE at MW-6DD have declined to typical historic levels, and concentrations of VC have declined to some of the lowest levels to date, reversing a period of increasing concentrations of each from the second quarter 2010 through the fourth quarter 2013. The declining concentrations of cis-1,2-DCE and VC in the deep bedrock (MW-6D and MW-6DD) is consistent with the re-starting of recovery wells RW-1 and RW-2 and initiation of pumping of recovery well RW-3.

  Further to the south, at MW-10D, CAH concentrations have remained below MCLs and Class GA groundwater standards. Also, at monitoring well MW-10S TCE has remained below the MCL. Concentrations of cis-1,2-DCE in MW-10S increased to levels above the Class GA groundwater standard during the second, third, and fourth quarters of 2016, then declined to concentrations below the Class GA groundwater standard during the first and second quarters of 2017, which was followed by an increase to the highest concentration detected during the third quarter 2017 and a subsequent decline to a concentration below the Class GA groundwater standard during the fourth quarter of 2017.

- To the north of MW-5S/D, CAH concentrations at MW-4S/4D have remained non-detected or below MCLs and Class GA groundwater standards, since pumping was initiated in 2003.
- Off-property to the west of MW-5S/D, the distribution of CAH concentrations at MW-7S/7D and MW-8S/8D has been variable, but generally the concentrations have been at least an order of magnitude lower than the CAH concentrations at the MW-5S/D well nest. CAHs have not been detected in the shallow bedrock (MW-7S) above MCLs or Class GA groundwater standards since 1995, or in the deeper bedrock monitored by MW-7DD since pumping was initiated in 2003. In the deep bedrock, monitored by MW-7D, concentrations of cis-1,2-DCE and VC were above MCLs and Class GA groundwater standards until pumping was initiated in 2003. These CAH concentrations were up to an order of magnitude lower than concentrations at the MW-5S/D well nest. Since the initiation of pumping in 2003, concentrations have declined to below standards. At MW-8S/D/DD, located to the west-southwest of MW-5S/D, CAH concentrations declined from above MCLs for TCE and vinyl chloride and Class GA groundwater standards for cis-1,2-DCE to below these standards and have generally remained below standards since 2004, except for VC in well MW-8D. VC in well MW-8D was consistently above the MCL prior to 2015. VC concentrations have remained below the MCL since 2015. The declining concentrations of VC in the deep bedrock MW-8D is consistent with the initiation of pumping of recovery well RW-3. Pumping at RW-3 has effectively cut-off residual impacts in the MW 6 cluster area from further contributing to impacts toward the MW-8 cluster.

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 site 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 declined during pumping and then began to increase following the trial cessation of pumping between November 2010 and April 2013. Since the re-start of the extraction system, the combined CAH mass decreased and continued to be at its lowest historical levels during each quarter of 2017.
- 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 remained at concentrations of 0.2 to 0.3 µmols/l. CAH mass in MW-6D increased by up to a factor of two since the initiation of pumping in 2003 until 2013. A sharp decrease in CAH mass was observed during each quarter of 2014 and 2015, and continued at low levels throughout 2016 and 2017. 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 until 2013. During 2016 and 2017, the combined CAH mass showed a more stable trend. 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 2017.

- 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 cessation 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 2003. CAH mass in MW-10S was on the order of 0.03 µmols/l before and after initiation of 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.

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 dechlorination
- Groundwater pH ranges that are suitable for microbial populations

3.2.3 Conclusion

CAHs in both the on-Site 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 accumulation 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 have also been indicative of biologically mediated degradation. Geochemical conditions at the Site have been amenable to biologically mediated degradation. The dissolved oxygen, 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 site 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 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 wells separate the Site from the MW-7S/D/DD well nest and the extraction well pumping has effectively controlled the migration of CAHs from the residual source to the MW-7S/D/DD well nest. With no continued migration of CAHs to the MW-7S/D/DD well nest, natural attenuation processes 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 a residual CAH source 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 at the Site to address this observation. Groundwater from wells MW-6S/D/DD and MW-8S/D/DD has been collected during 14 sampling events (between September 2014 and December 2017) after the installation and start of RW-3 in 2014. Analytical data results from these 14 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. CAH mass at MW-6D and MW-8D continue to remain at, or near, their lowest levels recorded.

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OBG, 2004c. *RWE-2 Groundwater Systems Operations Plan*, April 2004 (includes Long-Term Groundwater Monitoring Plan as an appendix)

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Tables

Table 2
Groundwater Elevations
2017 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

Well I.D.	Top of Casing Elevation (ft MSL)	Screened Interval Elevation (ft MSL)	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		7/23/2004		8/4/2004		11/18/2004		2/16/2005		4/18/2005	
			DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	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	18.58	579.57	15.65	582.50	20.77	577.38	13.99	584.16	15.96	582.19
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	18.60	579.45	15.56	582.49	20.80	577.25	13.60	584.45	16.11	581.94
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	24.53	575.58	20.36	579.75	26.50	573.61	17.10	583.01	20.71	579.40
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	24.57	575.64	20.31	579.90	26.45	573.76	18.62	581.59	21.74	578.47
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	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	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	17.74	576.22	14.53	579.43	19.45	574.51	13.60	580.36	14.45	579.51
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	19.37	574.74	15.00	579.11	21.45	572.66	13.53	580.58	16.66	577.45
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	18.23	574.62	14.10	578.75	20.48	572.37	12.72	580.13	15.81	577.04
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	19.10	574.58	14.87	578.81	21.37	572.31	13.14	580.54	16.5	577.18
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	21.03	576.08	16.26	580.85	22.42	574.69	18.54	578.57	15.95	581.16
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	22.22	574.51	17.25	579.48	24.43	572.30	16.23	580.50	19.5	577.23
MW-6DD	596.02	506.8 - 539.8	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	23.10		24.22	571.80	23.55	572.47	25.32	570.70	23.08	572.94	26.93	569.09	22.14	573.88	23.97	572.05
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	19.69	576.59	15.88	580.40	21.42	574.86	11.25	585.03	14.39	581.89
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	21.34	574.94	16.95	579.33	23.47	572.81	15.52	580.76	18.74	577.54
MW-7DD		508.2 - 543.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	21.69		22.48		20.80		24.10		19.50		24.68		18.40		19.91	
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	16.41	580.26	13.97	582.70	17.40	579.27	12.39	584.28	13.8	582.87
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	21.97	574.89	17.70	579.16	23.84	573.02	16.46	580.40	19.35	577.51
MW-8DD		506.8 - 542.8	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	21.40		22.85		21.72		23.96		20.55		25.72		19.50		22.05	
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	25.27	575.71	20.88	580.10	27.34	573.64	18.16	582.82	20.55	580.43
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	24.96	575.81	21.02	579.75	27.17	573.60	19.33	581.44	22.24	578.53
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	19.00	576.52	15.18	580.34	20.78	574.74	12.91	582.61	16.44	579.08
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	18.26	576.70	14.44	580.52	20.16	574.80	12.60	582.36	16.56	578.40
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	16.23	584.31	13.50	587.04	17.90	582.64	12.08	588.46	13.32	587.22
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	12.70	587.50	10.20	590.00	13.86	586.34	8.04	592.16	9.82	590.38
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	19.33	580.91	16.32	583.92	21.16	579.08	15.49	584.75	16.5	583.74
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	19.56	580.80	16.52	583.84	21.40	578.96	15.70	584.66	16.74	583.62
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	17.79	579.96	14.75	583.00	19.55	578.20	13.45	584.30	14.76	582.99
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	18.03	579.84	15.01	582.86	20.07	577.80	14.67	583.20	15.41	582.46
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	21.35	575.83	17.71	579.47	23.67	573.51			18.77	578.41
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	21.60	574.78	17.30	579.08	23.08	573.30			18.99	577.39
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	18.34	581.36	15.38	584.32	20.17	579.53			15.51	584.19
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	17.96	580.41	14.80	583.57	19.65	578.72			15.00	583.37
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	NM	NM	NM	NM	21.65	572.02	NA	NA		565.90
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	NM	NM	NM	NM	19.79	572.01	NA	NA		570.30
RW-3	595.65	505 - 582.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	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

Table 2
Groundwater Elevations
2017 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

Well I.D.	Top of Casing Elevation (ft MSL)	Screened Interval Elevation (ft MSL)	9/6/2005		11/14/2005		4/25/2006		11/13/2006		5/1/2007		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	
			DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	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	18.79	579.36	17.22	580.93	16.99	581.16	17.86	580.29	15.19	582.96	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	18.84	579.21	17.18	580.87	16.82	581.23	17.78	580.27	15.25	582.80	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		23.71	576.40	21.45	578.66	21.06	579.05	23	577.11	19.58	580.53	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		23.58	576.63	21.91	578.30	22.02	578.19	23.6	576.61	11.84	588.37	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		17.58	576.38	15.53	578.43	15.67	578.29	16.58	577.38	13.77	580.19	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		18.3	575.81	16.58	577.53	16.86	577.25	18.52	575.59	15.7	578.41	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		17.33	575.52	15.53	577.32	15.81	577.04	17.6	575.25	14.71	578.14	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		18.06	575.62	16.34	577.34	16.65	577.03	18.37	575.31	15.54	578.14	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	20.18	576.93	17.33	579.78	14.43	582.68	18.44	578.67	12.02	585.09	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	21.04	575.69	19.36	577.37	19.74	576.99	21.44	575.29	18.5	578.23	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	506.8 - 539.8	24.3	571.72	24.32	571.70	24.05	571.97	26.42	569.6	23.89	572.13	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	18.81	577.47	16.62	579.66	15.88	580.4	17.98	578.3	15.0	581.28	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	20.38	575.90	18.83	577.45	17.79	578.49	20.78	575.5	17.72	578.56	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		508.2 - 543.2	21.17		19.82		19.61		21.95		18.52		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	15.54	581.13	14.2	582.47	14.31	582.36	15.8	580.87	13.6	583.07	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	21.17	575.69	19.61	577.25	19.66	577.2	21.25	575.61	18.45	578.41	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		506.8 - 542.8	23.23		22.52		22.57		24.85		22.6		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		24.31	576.67	21.66	579.32	21.57	579.41	21.68	579.3	19.2	581.78	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		24.11	576.66	22.36	578.41	22.49	578.28	23.93	576.84	21.1	579.67	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	18.73	576.79	16.86	578.66	16.29	579.23	18.16	577.36	14.91	580.61	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	18.08	576.88	16.34	578.62	16.14	578.82	17.82	577.14	14.99	579.97	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	16.44	584.10	14.63	585.91	14.5	586.04	14.95	585.59	12.91	587.63	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	13.17	587.03	11.25	588.95	10.89	589.31	11.05	589.15	9.65	590.55	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	19.32	580.92	17.6	582.64	17.74	582.5	18.45	581.79	15.98	584.26	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	19.47	580.89	17.78	582.58	17.92	582.44	18.64	581.72	16.16	584.20	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	17.71	580.04	15.99	581.76	16.09	581.66	16.9	580.85	14.24	583.51	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	18.16	579.71	16.57	581.30	16.76	581.11	17.65	580.22	14.86	583.01	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	21.01	576.17	19.29	577.89	19.29	577.89	20.72	576.46	17.97	579.21	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	20.15	576.23	19.18	577.20	19.14	577.24	20.87	575.51	18.0	578.38	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	18.41	581.29	16.65	583.05	16.76	582.94	17.44	582.26	15.0	584.70	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	17.76	580.61	16.02	582.35	16.11	582.26	16.9	581.47	14.44	583.93	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		18.18	575.49	16.36	577.31	16.68	576.99	18.44	575.23	15.45	578.22	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
RW-2	591.79	523.8 - 570.8																														
	591.80		16.63	575.17	14.87	576.93	15.38	576.42	17.04	574.76	14.35	577.45	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
RW-3	595.65	505 - 582.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	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

Table 2
Groundwater Elevations
2017 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

Well I.D.	Top of Casing Elevation (ft MSL)	Screened Interval Elevation (ft MSL)	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		3/16/2015		5/7/2015		6/23/2015		9/21/2015		1/11/2016	
			DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	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	14.92	583.23	18.69	579.46	18.07	580.08	19.6	578.55	18.34	579.81
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	14.52	583.53	18.77	579.28	18.08	579.97	19.63	578.42	17.97	580.08
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	22.68	577.43	25.2	574.91	25.07	575.04	26.02	574.09	25.08	575.03
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	18.4	581.81	23.38	576.83	22.75	577.46	24.42	575.79	22.34	577.87
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	17.02	576.94	17.3	576.66	17.82	576.14	19.58	574.38	19.02	574.94
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	16.14	577.97	20.31	573.80	20.27	573.84	21.58	572.53	20.15	573.96
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	15.6	577.25	19.51	573.34	19.55	573.30	20.9	571.95	19.42	573.43
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	16.1	577.58	20.25	573.43	20.26	573.42	21.58	572.10	20.15	573.53
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	20.98	576.13	21.97	575.14	22.52	574.59	23.72	573.39	22.2	574.91
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	19.6	577.13	23.84	572.89	23.98	572.75	25.1	571.63	23.62	573.11
MW-6DD	596.02	506.8 - 539.8	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	20.86	575.16	25.4	570.62	25.68	570.34	26.5	569.52	24.88	571.14
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	10.92	585.36	19.13	577.15	19.45	576.83	19.86	576.42	17.1	579.18
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	18.12	578.16	22.45	573.83	22.47	573.81	23.66	572.62	22.35	573.93
MW-7DD		508.2 - 543.2	16.66	-16.66	21.15				20.88		20.96																22.9		23.7		22.24	
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	15.34	581.33	19.65	577.02	19.43	577.24	19.75	576.92	16.6	580.07
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	18.92	577.94	23.06	573.80	22.87	573.99	24.03	572.83	23.02	573.84
MW-8DD		506.8 - 542.8	24.95	-24.95	24.63				24.28		24.58																25.6					
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	20.4	580.58	24.25	576.73	24.7	576.28	26.65	574.33	24.52	576.46
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	NM	NM	25.32	575.45	25.21	575.56	26.7	574.07	25.32	575.45
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	16.7	578.82	20.41	575.11	20.21	575.31	21.37	574.15	19.04	576.48
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	14.66	580.30	19.42	575.54	18.88	576.08	20.38	574.58	18.42	576.54
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	13.35	587.19	16.05	584.49	15.95	584.59	17.45	583.09	16.45	584.09
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	9.36	590.84	12.14	588.06	12.04	588.16	13.64	586.56	12.13	588.07
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	16.85	583.39	19.66	580.58	19.47	580.77	20.89	579.35	20.25	579.99
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	17.05	583.31	19.9	580.46	19.73	580.63	21.1	579.26	20.53	579.83
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	15.6	582.15	18.33	579.42	18.11	579.64	19.63	578.12	19.09	578.66
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	16.05	581.82	19	578.87	18.69	579.18	20.02	577.85	19.75	578.12
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	19.18	578.00	23.23	573.95	23.32	573.86	24.7	572.48	23.35	573.83
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	18.46	577.92	22.64	573.74	22.7	573.68	23.98	572.40	22.65	573.73
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	15.84	583.86	18.67	581.03	18.55	581.15	19.99	579.71	19.2	580.50
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	15.16	583.21	18.2	580.17	18.08	580.29	19.49	578.88	18.71	579.66
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	16.42	577.25	20.65	573.02	27.3	566.37	20.05	573.62	20.55	573.12
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	14.7	577.10	18.88	572.92	18.69	573.11	22.06	569.74	18.8	573.00
RW-3	595.65	505 - 582.5	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	20.32	575.33	23.39	572.26	25.2	570.45	26.4	569.25	21.4	574.25

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

Table 2
Groundwater Elevations
2017 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

Well I.D.	Top of Casing Elevation (ft MSL)	Screened Interval Elevation (ft MSL)	3/28/2016		6/20/2016		9/19/2016		12/19/2016		4/10/2017		6/26/2017		9/11/2017		12/19/2017	
			DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	598.15	568.5 - 578.5	14.1	584.05	21.07	577.08	21.06	577.09	21.63	576.52	10.96	587.19	18.94	579.21	19.51	578.64	19.8	578.35
MW-1D	598.05	546.7 - 567.5	13.95	584.10	20.9	577.15	20.93	577.12	21.34	576.71	10.7	587.35	18.6	579.45	19.32	578.73	19.75	578.30
MW-2S	596.95	567.1 - 577.1																
	607.04																	
	600.11		21.46	578.65	26.19	573.92	26.74	573.37	26.43	573.68	17.3	582.81	25.83	574.28	26	574.11	25.72	574.39
MW-2D	596.98	535.4 - 559.8																
	607.02																	
	600.21		18.1	582.11	25.15	575.06	24.9	575.31	25.45	574.76	14.68	585.53	23.03	577.18	24.22	575.99	24.25	575.96
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		14.22	579.74	19.05	574.91	20.02	573.94	20.18	573.78	10.84	583.12	18.74	575.22	18.96	575.00	18.6	575.36
MW-4D	595.44	534.1 - 563.4																
	596.22																	
	594.11		15.78	578.33	22.35	571.76	22.38	571.73	23.25	570.86	12.13	581.98	20.74	573.37	21.43	572.68	22	572.11
MW-5S	594.25	566.2 - 576.2																
	596.52																	
	592.85		15.05	577.80	21.56	571.29	21.75	571.10	21.35	571.50	11.11	581.74	20.23	572.62	20.82	572.03	21.24	571.61
MW-5D	594.34	542.7 - 565.4																
	596.68																	
	593.68		15.8	577.88	22.32	571.36	22.3	571.38	23.27	570.41	12.05	581.63	20.75	572.93	21.44	572.24	22.06	571.62
MW-6S	597.11	568.2 - 578.2	21	576.11	23.42	573.69	24	573.11	23.86	573.25	16.85	580.26	23.35	573.76	23.24	573.87	23.93	573.18
MW-6D	596.73	540.3 - 567.8	19.46	577.27	25.92	570.81	25.78	570.95	26.76	569.97	15.8	580.93	24.65	572.08	25.12	571.61	26.6	570.13
MW-6DD	596.02	506.8 - 539.8	21.92	574.10	27.63	568.39	27.46	568.56	28.84	567.18	19.12	576.90	28.11	567.91	27.4	568.62	29.34	566.68
MW-7S	596.28	566.3 - 576.3	9.91	586.37	19.6	576.68	19.22	577.06	19.12	577.16	10.41	585.87	17.42	578.86	18.88	577.40	16.73	579.55
MW-7D	596.28	543.2 - 563.2	18.11	578.17	24.32	571.96	24.42	571.86	25.5	570.78	14.33	581.95	22.58	573.70	23.48	572.80	23.9	572.38
MW-7DD		508.2 - 543.2	17.85		23.84	-23.84	23.9											
MW-8S	596.67	564.4 - 574.4	14.52	582.15	20.42	576.25	19.34	577.33	20.35	576.32	12.79	583.88	17.82	578.85	18.71	577.96	18.16	578.51
MW-8D	596.86	542.8 - 561.9	18.76	578.10	24.78	572.08	25.04	571.82	25.92	570.94	15.31	581.55	23.53	573.33	24.16	572.70	24.57	572.29
MW-8DD		506.8 - 542.8			27.38		27.5											
MW-9S	595.22	568.2 - 578.2																
	605.28																	
	600.98		21.35	579.63	26.6	574.38	26.98	574.00	27.25	573.73	17.45	583.53	25.09	575.89	24.85	576.13	24.55	576.43
MW-9D	595.31	538.5 - 567.5																
	605.35																	
	600.77		20.92	579.85	27.35	573.42	27.44	573.33	28.16	572.61	17.46	583.31	25.81	574.96	26.49	574.28	24.3	576.47
MW-10S	595.52	563.7 - 573.7	16.36	579.16	21.4	574.12	21.95	573.57	22.16	573.36	11.68	583.84	20.58	574.94	20.82	574.70	20.2	575.32
MW-10D	594.96	543.4 - 563.4	14.45	580.51	21.11	573.85	21.08	573.88	21.74	573.22	11.36	583.60	19.47	575.49	20.02	574.94	19.72	575.24
MW-11S	600.54	585.3 - 595.3	12.74	587.80	17.86	582.68	18.5	582.04	18.76	581.78	9.85	590.69	16.83	583.71	17.28	583.26	16.94	583.60
MW-11D	600.20	549.2 - 559.2	9.21	590.99	13.9	586.30	14.3	585.90	14.52	585.68	6.89	593.31	12.7	587.50	13.3	586.90	12.42	587.78
MW-12S	600.24	582.1 - 592.1	16.03	584.21	21.54	578.70	22.24	578.00	22.73	577.51	12.69	587.55	20.72	579.52	21.11	579.13	21	579.24
MW-12D	600.36	546.7 - 565.7	16.3	584.06	21.72	578.64	22.36	578.00	22.97	577.39	12.96	587.40	21	579.36	21.38	578.98	21.24	579.12
MW-13S	597.75	566.8 - 576.8	14.64	583.11	20.26	577.49	21.1	576.65	21.79	575.96	11.2	586.55	19.68	578.07	19.97	577.78	19.81	577.94
MW-13D	597.87	545.6 - 565.1	15.28	582.59	28.8	569.07	21.69	576.18	22.26	575.61	11.73	586.14	20.35	577.52	20.56	577.31	20.58	577.29
MW-14S	597.18	565.1 - 575.1	18.98	578.20	25.14	572.04	25.4	571.78	26.55	570.63	15.17	582.01	23.64	573.54	24.4	572.78	24.87	572.31
MW-14D	596.38	544.7 - 564.7	18.33	578.05	24.58	571.80	24.88	571.50	25.8	570.58	14.57	581.81	23.08	573.30	23.95	572.43	24.4	571.98
MW-15S	599.70	566.4 - 576.4	15.04	584.66	20.5	579.20	21.26	578.44	21.69	578.01	11.83	587.87	19.65	580.05	20.08	579.62	19.95	579.75
MW-15D	598.37	547.0 - 563.0	14.54	583.83	20.05	578.32	20.06	578.31	21.26	577.11	11.34	587.03	19.16	579.21	19.67	578.70	19.51	578.86
RW-1	593.60	526.5 - 574.5																
	593.67		15.85	577.82	22.4	571.27	22.4	571.27	23.68	569.99	11.95	581.72	20.96	572.71	21.48	572.19	22.7	570.97
RW-2	591.79	523.8 - 570.8																
	591.80		14.5	577.30	20.97	570.83	20.65	571.15	21.8	570.00	10.52	581.28	19.71	572.09	20.2	571.60	20.56	571.24
RW-3	595.65	505 - 582.5	20.85	574.80	21.94	573.71	NM	NM	23.88	571.77	18.0	577.65	27.3	568.37	21.68	573.97	21.9	573.75

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

Table 3
Groundwater Quality Data - VOCs (2015-2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-1D	X-1	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	1/12/2016	1/12/2016	3/28/2016	6/21/2016	9/20/2016	12/20/2016	4/11/2017	6/28/2017	9/12/2017	12/19/2017
		Sample ID	MW1D 011216	MW1D 011216	MW1D 032816	MW1D 062116	MW1D 092016	MW1D 122016	MW1D 04112017	MW1D 062817	MW1D 091217	MW1D 121917
			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
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,2-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
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 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
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	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	0.22 J	1 U	1 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
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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
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
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 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 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
Groundwater Quality Data - VOCs (2015-2017)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-1S	MW-1S	MW-1S	X-1	MW-1S	MW-1S	MW-1S	X-1	MW-1S	MW-1S	MW-1S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	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	12/19/2017
	Class GA	Sample ID	MW1S 011216	MW1S 032816	MW1S 062116	MW1S 062116	MW1S 092016	MW1S 122016	MW1S 04112017	MW1S 04112017	MW1S 062817	MW1S 091217	MW1S 121917
	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		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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 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
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,2-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
1,2-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
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
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
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	1.0 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
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
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
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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
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
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
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	1.0 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 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
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
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
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	1.0 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
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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	1.0 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 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 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 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 U	2.0 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 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
Groundwater Quality Data - VOCs (2015-2017)
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-4S
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		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	9/23/2015
		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	MW4S 092315
			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:

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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
Groundwater Quality Data - VOCs (2015-2017)
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
		Depth Interval	-	-	-	-	-	-	-	-	-
		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
		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
			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
1,1,2,2-Tetrachloroethane	5		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
1,1-Dichloroethane	5		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
1,2-Dichloroethane	0.6		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
2-Hexanone	50		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
Acetone	50		10 U *	10 U*	10 U	10 U	10 U	10 U	3.5 J	10 U	10 U
Benzene	1		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
Bromoform	50		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
Carbon disulfide	60		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
Chlorobenzene	5		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
Chloroform	7		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	1.1	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
Dibromochloromethane	50		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
Methyl chloride	5		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
Methylene chloride	5		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
Tetrachloroethene	5		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
trans-1,2-Dichloroethene	5		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
Trichloroethene	5		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
Xylenes, Total	5		2 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

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Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2015-2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	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	1/13/2016	3/30/2016	6/21/2016	9/20/2016	12/21/2016	4/12/2017	6/27/2017	6/27/2017	9/14/2017	12/21/2017
		Sample ID	MW5D 011316	MW-5D-033016	MW-5D-062116	MW-5D-092016	MW-5D-122116	MW-5D-041217	MW-5D-062717	MW-5D-062717	MW-5D-091417	MW-5D-122117
			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		0.6 J	0.6 J	0.58 J	0.58 J	0.5 J	0.56 J	0.46 J	0.51 J	0.51 J	0.42 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		0.92 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		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

Table 3
Groundwater Quality Data - VOCs (2015-2017)
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
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	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
		Sample ID	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
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		**[7.9]**	2.8	**[15]**	**[15]**	**[22]**	1.2	3.1	12	13
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		**[27]**	**[8.9]**	**[43]**	**[33]**	**[38]**	**[6]**	0.84 J	**[92]**	**[86]**
1,1-Dichloroethene	5		1.7	0.83 J	2.2	2.8	2	0.45 J	0.57 J	**[5.8]**	**[8.2]**
1,2-Dichloroethane	0.6		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
2-Hexanone	50		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
Acetone	50		10 U *	10 U*	6 J	3.5 J	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
Bromodichloromethane	50		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
Bromomethane	5		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	0.41 J	0.19 J	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
Chlorobenzene	5		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
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		**[38]**	**[16]**	**[97]**	**[58]**	**[180] F1**	**[5.6]**	3.8	**[88]**	**[76]**
cis-1,3-Dichloropropene	0.4		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
Ethylbenzene	5		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
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 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.71 J	1 U	1 U	1 U	0.7 J	1 U	1 U	0.51 J	0.49 J
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1.4	1 U	0.94 J	1 U	2.2	1 U	1 U	3.2	4
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		**[12]**	**[8.7]**	**[22]**	**[20]**	**[92]**	2.2	**[6.7]**	**[33]**	**[26]**
Vinyl chloride	2		1 U	1 U	**[7.3]**	**[4.9]**	1 U	1 U	1 U	2.1	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:

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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
Groundwater Quality Data - VOCs (2015-2017)
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	1/12/2016	3/29/2016	6/21/2016	9/20/2016	12/20/2016	4/11/2017	6/28/2017	9/12/2017	12/20/2017
		Sample ID	MW6DD 011216	MW6DD 032916	MW6DD 062116	MW6DD 092016	MW6DD 122016	MW6DD 041117	MW6DD 062817	MW6DD 091217	MW6DD 122017
			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
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1-Dichloroethane	5		0.43 J	1 U	0.71 J	0.62 J	0.55 J	1 U	1 U	0.6 J	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
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 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
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 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
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
cis-1,2-Dichloroethene	5		**[17]**	**[19]**	**[20]**	**[10]**	**[8.6]**	**[13]**	**[24]**	**[22]**	**[17]**
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
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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 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
Tetrachloroethene	5		1 U	1 U	0.52 J	1 U	1 U	1 U	1 U	1 U	1.0 U
Toluene	5		1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 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
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
Trichloroethene	5		1 U	0.69 J	1 U	1 U	1 U	0.69 J	1 U	1 U	1.0 U
Vinyl chloride	2		**[3.2]**	1.5	**[5.3]**	**[4.5]**	**[4]**	1 U	**[4.5]**	**[5.3]**	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

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 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
Groundwater Quality Data - VOCs (2015-2017)
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-6S	MW-6S	MW-6S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	3/29/2016	6/21/2016	9/20/2016	12/20/2016	4/11/2017	6/27/2017	9/12/2017	12/20/217	1/12/2016	3/29/2016	6/21/2016
		Sample ID	MW6D 032916	MW6D 062116	MW6D 092016	MW6D 122016	MW6D 041117	MW6D 062717	MW6D 091217	MW6D 122017	MW6S 011216	MW6S 032916	MW6S 062116
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
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 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	1.0 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.56 J	0.61 J	0.66 J	0.59 J	0.71 J	0.51 J	0.6 J	0.56 J	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 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	1.0 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 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	5.0 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	1.0 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U*	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.5	1.5	1.4	1.3	1.1	1.3	1.4	1.3	**[10]**	**[52]**	**[5]**
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 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	1.0 U	1 U	1 U*	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	0.8 J	1 U
Vinyl chloride	2		1.2	1.3	1.4	1.4	1.2	1.4	1.4	1.3	**[5.7]**	**[16]**	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 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
Groundwater Quality Data - VOCs (2015-2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-6S	MW-6S	MW-6S	MW-6S	X-1	MW-6S	MW-6S
		Depth Interval	-	-	-	-	-	-	-
		Sample Date	9/20/2016	12/20/2016	4/11/2017	6/28/2017	6/28/2017	9/14/2017	12/20/2017
		Sample ID	MW6S 092016	MW6S 122016	MW6S 041117	MW6S 062817	MW6S 062817	MW6S 091417	MW6S 122017
			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	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 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	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	3.3 J	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
cis-1,2-Dichloroethene	5		**[7.9]**	**[6.9]**	**[17]**	**[15]**	**[14]**	**[10]**	4.7
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 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 U	1 U	1 U	1 U	1 U	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Tetrachloroethene	5		1 U	1 U	1 U	0.39 J	1 U	1 U	1.0 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Vinyl chloride	2		**[11]**	**[6.2]**	**[8.7]**	**[9.1]**	**[8.9]**	**[3.8]**	1.0 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2.0 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
Groundwater Quality Data - VOCs (2015-2017)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7D
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	1/13/2016	3/29/2016	6/22/2016	9/21/2016	12/20/2016	4/12/2017	6/28/2017	9/13/2017	12/20/2017	1/13/2016
		Sample ID	MW7DD 011316	MW7DD 032916	MW7DD 062216	MW7DD 092116	MW7DD 122016	MW7DD 041217	MW7DD 062817	MW7DD 091317	MW7DD 122017	MW7D 011316
	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	Standards (ug/l)											
1,1,1-Trichloroethane	5		1 U	1 UF	1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 UF	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 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 U
1,1-Dichloroethene	5		1 U	1 UF	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	----	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 UF	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 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	1.0 U	1 U
Bromodichloromethane	50		1 U	1 UF	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Bromoform	50		1 U	1 UF	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 UF	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		0.92 J	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 -	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Dibromochloromethane	50		1 U	1 UF	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 UF	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	0.59 J	1 U	1 U	1 U	1 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 U	1 U
Trichloroethene	5		1 U	1 UF	0.6 J	1 U	1 U	0.78 J	0.5 J	1 U	1.0 U	0.85 J
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
Xylenes, Total	5		2 U	2 UF	2 U	2 U	2 U	2 U	2 U	2 U	2.0 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
Groundwater Quality Data - VOCs (2015-2017)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-7S	MW-7S	X-1	MW-7S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	3/29/2016	6/22/2016	12/21/2016	4/12/2017	6/28/2017	9/13/2017	12/20/2017	1/13/2016	3/29/2016	3/29/2016	6/2/2016
		Sample ID	MW7D 032916	MW7D 062216	MW7D 122116	MW7D 041217	MW7D 062817	MW7D 091317	MW7D 122017	MW7S 011216	MW7S 032916	MW7S 032916	MW7S 062216
	Class GA GW		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	Standards (ug/l)												
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 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	1.0 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	1.0 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	1.0 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	1.0 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	1.0 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5.0 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	5.0 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	10 U *	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U*	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U*	1 U*	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1.1	1 U	1 U	1 U	1 U	1.0 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	1.0 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	0.61 J	0.36 J	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 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	1.0 U	1 U	1 U*	1 U*	1 U
Trichloroethene	5		0.58 J	0.53 J	1.1	1.1	0.99 J	1.6	1.1	0.78 J	1 U	1 U	0.62 J
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2.0 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 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
Groundwater Quality Data - VOCs (2015-2017)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S
		Depth Interval	-	-	-	-	-	-
		Sample Date	9/21/2016	12/21/2016	4/12/2017	6/28/2017	9/13/2017	12/20/2017
		Sample ID	MW7S 092116	MW7S 122116	MW7S 041217	MW7S 062817	MW7S 091317	MW7S 122017
	Class GA GW		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	Standards (ug/l)							
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1.0 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5.0 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1.0 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1.0 U
cis-1,2-Dichloroethene	5		2.6	1 U	1 U	1 U	1 U	1.0 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U
Methyl ethyl ketone	50		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	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1.0 U
Tetrachloroethene	5		0.46 J	0.53 J	1 U	1 U	0.66 J	1.0 U
Toluene	5		1	1 U	1 U	1 U	1 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U
Trichloroethene	5		2.4	1.4	1	1	1.8	1.1
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1.0 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2.0 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 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
Groundwater Quality Data - VOCs (2015-2017)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	X-1	MW-8D	MW-8D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	3/30/2016	3/30/2016	6/22/2016	12/21/2016	4/13/2017	6/28/2017	9/13/2017	12/20/217	12/20/217	1/13/2016	3/30/2016
	Class GA	Sample ID	MW-8DD-033016	MW-8DD-033016	MW-8DD-062216	MW-8DD-122116	MW-8DD-041317	MW-8DD-062817	MW-8DD-062817	MW-8DD-122017	MW-8DD-122017	MW8D 011316	MW-8D-033016
	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		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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	1.0 U	1.0 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 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	0.99 J	0.83 J
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 U	1 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 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	1.0 U	1.0 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 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	1.0 U	1.0 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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	1.0 U	1.0 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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	1.0 U	1.0 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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	1.0 U	1.0 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	0.9 J	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 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 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
Groundwater Quality Data - VOCs (2015-2017)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-8D	MW-8D	MW-8D	MW-8D	MW-8D	MW-8D	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	6/22/2016	12/21/2016	4/13/2017	6/28/2017	9/13/2017	12/20/2017	1/13/2016	3/29/2016	6/22/2016	9/21/206	12/21/206
	Class GA	Sample ID	MW-8D-062216	MW-8D-122116	MW-8D-041317	MW-8D-062817	MW-8D-091317	MW-8D-122017	MW8S 011316	MW8S 032916	MW8S 062216	MW8S 092116	MW8S 122116
	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		1 U	1 U	1 U	1 U	1 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 U	1 U	1 U	1.0 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	1.0 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.94 J	0.86 J	0.66 J	0.62 J	0.75 J	0.89 J	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 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 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5.0 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	5.0 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 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	0.24 J	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U*	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 U	2.2	2.4	2.7	1 U	2.1
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1.0 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 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	0.73 J	0.89 J	0.72 J	1 U	0.55 J
Toluene	5		1 U	1 U	1 U	1 U	1 U	1.0 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	1.0 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	1.0 U	1 U	1 U*	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	3.5	4.5	3.1	1.1	2.4
Vinyl chloride	2		1 U	1 U	1.6	0.96 J	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2.0 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 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
Groundwater Quality Data - VOCs (2015-2017)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-8S	MW-8S	MW-8S	MW-8S
		Depth Interval	-	-	-	-
		Sample Date	4/12/2017	6/28/2017	9/13/2017	12/20/217
	Class GA	Sample ID	MW8S 041217	MW8S 062817	MW8S 091317	MW8S 122017
	GW Stds		ug/l	ug/l	ug/l	ug/l
Chemical Name	(ug/l)					
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U F1	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U F1	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U F1	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U F1	1.0 U
1,2-Dichloroethene (Total)	5		---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U F1	1.0 U
2-Hexanone	50		5 U	5 U	5 U F1	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U F1	5.0 U
Acetone	50		10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U F1	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U F1	1.0 U
Bromoform	50		1 U	1 U	1 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	1.0 U
Carbon tetrachloride	5		1 U	1 U	1 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U F1	1.0 U
Chloroethane	5		1 U	1 U	1 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1.0 U
cis-1,2-Dichloroethene	5		2.1	2.1	3	1.0 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U F1	1.0 U
Ethylbenzene	5		1 U	1 U	1 U F1	1.0 U
Methyl chloride	5		1 U	1 U	1 U F1	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1.0 U
Styrene	5		1 U	1 U	1 U F1	1.0 U
Tetrachloroethene	5		0.61 J	0.58 J	0.74 J	0.86 J
Toluene	5		1 U	1 U	1 U F1	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U F1	1.0 U
Trichloroethene	5		3.5	3.1	3	3.3
Vinyl chloride	2		1 U	1 U	1 U	1.0 U
Xylenes, Total	5		2 U	2 U	2 U F1	2.0 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 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
Groundwater Quality Data - VOCs (2015-2017)
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-10S
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	1/12/2016	3/29/2016	6/21/2016	9/20/2016	12/20/2016	4/12/2017	6/27/2017	9/12/2017	12/21/2017	1/12/2016
		Sample ID	MW10D 011216	MW10D 032916	MW10D 062116	MW10D 092016	MW10D 122016	MW10D 041217	MW10D 062717	MW10D 091217	MW10D 122117	MW10S 011216
			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	1.9
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, 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 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
Groundwater Quality Data - VOCs (2015-2017)
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-10S - 3/29/2016 MW10S 032916 ug/l	MW-10S - 6/21/2016 MW10S 062116 ug/l	MW-10S - 9/20/2016 MW10S 092016 ug/l	MW-10S - 12/20/2016 MW10S 122016 ug/l	MW-10S - 4/11/2017 MW10S 041117 ug/l	MW-10S - 6/27/2017 MW10S 062717 ug/l	MW-10S - 9/12/2017 MW10S 091217 ug/l	MW-10S - 12/21/2017 MW10S 122117 ug/l
1,1,1-Trichloroethane	5		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
1,1,2-Trichloroethane	1		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
1,1-Dichloroethene	5		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
1,2-Dichloroethene (Total)	5		----	---	---	---	---	---	---	---
1,2-Dichloropropane	1		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
4-Methyl-2-pentanone	NS		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
Benzene	1		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
Bromoform	50		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
Carbon disulfide	60		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
Chlorobenzene	5		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
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	**[10]**	**[14]**	**[13]**	1.2	1.3	**[29]**	3.3
cis-1,3-Dichloropropene	0.4		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
Ethylbenzene	5		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
Methyl ethyl ketone	50		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
Styrene	5		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
Toluene	5		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
trans-1,3-Dichloropropene	0.4		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
Vinyl chloride	2		1 U	**[2.3]**	**[2.8]**	1.4	1 U	1 U	**[6.6]**	1 U
Xylenes, Total	5		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 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 Quality Data - VOCs (1995 - 2017)
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-01D - 9/11/1995 MW-01D_WG_091195 ug/l	MW-01D - 11/13/1995 MW-01D_WG_111395 ug/l	MW-01D - 7/22/1997 MW-01D_WG_072297 ug/l	MW-01D - 9/15/1997 MW-01D_WG_091597 ug/l	MW-01D - 2/14/2000 MW-01D_WG_021400 ug/l	MW-01D - 8/13/2001 MW-01D_WG_081301 ug/l	MW-01D - 11/26/2001 MW-01D_WG_112601 ug/l	MW-01D - 2/25/2002 MW-01D_WG_022502 ug/l	MW-01D - 2/25/2002 MW-01D_WG_022502_DUP ug/l	MW-01D - 5/13/2002 MW-01D_WG_051302 ug/l	MW-01D - 5/13/2002 MW-01D_WG_051302_DUP 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-01D - 2/3/2004 MW-01D_WG_020304 ug/l	MW-01D - 5/18/2004 MW-01D_WG_051804 ug/l	MW-01D - 8/5/2004 MW-01D_WG_080504 ug/l	MW-01D - 11/16/2004 MW-01D_WG_111604 ug/l	MW-01D - 2/16/2005 MW-01D_WG_021605 ug/l	MW-01D - 4/18/2005 MW-01D_WG_041805 ug/l	MW-01D - 9/7/2005 MW-1D_09072005 ug/l	MW-01D - 11/15/2005 MW-1D_11152005 ug/l	MW-01D - 4/26/2006 MW-1D_04262006 ug/l	MW-01D - 11/14/2006 MW-1D_11142006 ug/l	MW-01D - 39203.68056 MW-1D_050107 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-01D - 39384.56944 MW-1D-102907 ug/l	MW-01D - 05/21/2008 MW-1D-052108 ug/l	MW-01D - 11/18/2008 MW-1D ug/l	MW-01D - 10/19/2009 MW-1D-10190910192009 ug/l	MW-01D - 5/18/2010 MW-1D-05181005182010 ug/l	MW-01D - 1/19/2011 MW-1D-01192011 ug/l	MW-01D - 4/18/2011 MW-1D-041811 ug/l	MW-01D - 7/26/2011 MW-1D072611 ug/l	MW-01D - 10/25/2011 MW1D102511 ug/l	MW-01D - 3/20/2012 MW1D032012 ug/l	MW-1D 8/7/2012 MW1D080712 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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID Depth Interval Sample Date Sample ID	X-1 - 8/7/2012 MW1D080712 ug/l	X-1 - 6/10/2014 MWID061014 ug/l	MW-1D - 12/18/2012 MW-1D-121812 ug/l	MW-1D - 5/21/2013 MW-1D-052113 ug/l	MW-1D - 8/19/2013 MW-1D-081913 ug/l	MW-1D - 12/19/2013 MW-1D-121913 ug/l	MW-1D - 3/25/2014 MW-1D-032514 ug/l	MW-ID - 6/9/2014 MW-ID-060914 ug/l	MW-1D - 9/23/2014 MW1D092314 ug/l	MW-1D - 12/9/2014 MW 1D 120914 ug/l	MW-1D - 3/16/2015 MW1D 031615 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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 - 6/23/2015 MW1D 062315 ug/l	X-1 - 6/23/2015 MW1D 062315 ug/l	MW-1D - 9/21/2015 MW1D 092115 ug/l	MW-1D - 1/12/2016 MW1D 011216 ug/l	X-1 - 1/12/2016 MW1D 011216 ug/l	MW-1D - 3/28/2016 MW1D 032816 ug/l	MW-1D - 6/21/2016 MW1D 062116 ug/l	MW-1D - 9/20/2016 MW1D 092016 ug/l	MW-1D - 12/20/2016 MW1D 122016 ug/l	X-1 - 12/20/2016 MW1D 122016 ug/l	MW-1D - 4/11/2017 MW1D 04112017 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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 - 6/28/2017 MW1D 062817 ug/l	MW-1D - 9/12/2017 MW1D 091217 ug/l	MW-1D - 12/19/2017 MW1D 121917 ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1 U	1.0 U
1,2-Dichloroethene (Total)	5		---	---	---
1,2-Dichloropropane	1		1 U	1 U	1.0 U
2-Hexanone	50		5 U	5 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5.0 U
Acetone	50		10 U	10 U	10 U
Benzene	1		1 U	1 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1.0 U
Bromoform	50		1 U	1 U	1.0 U
Bromomethane	5		1 U	1 U	1.0 U
Carbon disulfide	60		1 U	1 U	1.0 U
Carbon tetrachloride	5		1 U	1 U	1.0 U
Chlorobenzene	5		1 U	1 U	1.0 U
Chloroethane	5		1 U	1 U	1.0 U
Chloroform	7		1 U	1 U	1.0 U
cis-1,2-Dichloroethene	5		1 U	1 U	1.0 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1.0 U
Ethylbenzene	5		1 U	1 U	1.0 U
Methyl chloride	5		1 U	1 U	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1.0 U
Styrene	5		1 U	1 U	1.0 U
Tetrachloroethene	5		1 U	1 U	1.0 U
Toluene	5		1 U	1 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1 U	1.0 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1.0 U
Trichloroethene	5		1 U	1 U	1.0 U
Vinyl chloride	2		1 U	1 U	1.0 U
Xylenes, Total	5		2 U	2 U	2.0 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-01S - 9/11/1995 MW-01S_WG_091195 ug/l	MW-01S - 11/13/1995 MW-01S_WG_111395 ug/l	MW-01S - 7/22/1997 MW-01S_WG_072297 ug/l	MW-01S - 9/15/1997 MW-01S_WG_091597 ug/l	MW-01S - 2/14/2000 MW-01S_WG_021400 ug/l	MW-01S - 8/13/2001 MW-01S_WG_081301 ug/l	MW-01S - 11/26/2001 MW-01S_WG_112601 ug/l	MW-01S - 11/26/2001 MW-01S_WG_112601_DUP ug/l	MW-01S - 2/25/2002 MW-01S_WG_022502 ug/l	MW-01S - 5/13/2002 MW-01S_WG_051302 ug/l	MW-01S - 2/3/2004 MW-01S_WG_020304 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-01S - 5/18/2004 MW-01S_WG_051804 ug/l	MW-01S - 8/5/2004 MW-01S_WG_080504 ug/l	MW-01S - 11/16/2004 MW-01S_WG_111604 ug/l	MW-01S - 2/16/2005 MW-01S_WG_021605 ug/l	MW-01S - 4/18/2005 MW-01S_WG_041805 ug/l	MW-01S - 9/7/2005 MW-1S_09072005 ug/l	MW-01S - 11/15/2005 MW-1S_11152005 ug/l	MW-01S - 4/26/2006 MW-1S_04262006 ug/l	MW-01S - 11/14/2006 MW-1S_11142006 ug/l	MW-01S - 05/01/2007 MW-1S_050107 ug/l	MW-01S - 10/29/2007 MW-1S-102907 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

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-01S - 5/21/2008 BLIND DUP ug/l	MW-01S - 5/21/2008 MW-1S-052108 ug/l	MW-01S - 11/18/2008 MW-1S ug/l	MW-01S - 10/19/2009 MW-1S-10190910192009 ug/l	MW-01S - 5/18/2010 MW-1S-05181005182010 ug/l	MW-01S - 1/19/2011 MW-1S-01192011 ug/l	MW-01S - 4/18/2011 MW-1S-041811 ug/l	MW-01S - 7/26/2011 MW-1S072611 ug/l	MW-01S - 10/25/2011 MW1S102511 ug/l	MW-01S - 3/20/2012 MW1S032012 ug/l	MW-1S 8/7/2012 MW1S080712 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-1S - 12/18/2012 MW-1S-121812 ug/l	MW-1S - 5/21/2013 MW-1S-052113 ug/l	MW-1S - 8/19/2013 MW-1S-081913 ug/l	MW-1S - 12/18/2013 MW-1S-121813 ug/l	MW-1S - 3/25/2014 MW-1S-032514 ug/l	MW-1S - 6/9/2014 MW-1S-060914 ug/l	MW-1S - 9/23/2014 MW1S092314 ug/l	MW-1S - 12/9/2014 MW 1S 120914 ug/l	MW-1S - 3/16/2015 MW1S 031615 ug/l	MW-1S - 6/23/2015 MW1S 062315 ug/l	MW-1S - 9/21/2015 MW1S 092115 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID / Depth Interval / Sample Date / Sample ID	X-1 - 9/21/2015 MW1S 092115 ug/l	MW-1S - 1/12/2016 MW1S 011216 ug/l	MW-1S - 3/28/2016 MW1S 032816 ug/l	MW-1S - 6/21/2016 MW1S 062116 ug/l	X-1 - 6/21/2016 MW1S 062116 ug/l	MW-1S - 9/20/2016 MW1S 092016 ug/l	MW-1S - 12/20/2016 MW1S 122016 ug/l	MW-1S - 4/11/2017 MW1S 04112017 ug/l	X-1 - 4/11/2017 MW1S 04112017 ug/l	MW-1S - 6/28/2017 MW1S 062817 ug/l	MW-1S - 9/12/2017 MW1S 091217 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-1S - 12/19/2017 MW1S 121917 ug/l
1,1,1-Trichloroethane	5		1.0 U
1,1,2,2-Tetrachloroethane	5		1.0 U
1,1,2-Trichloroethane	1		1.0 U
1,1-Dichloroethane	5		1.0 U
1,1-Dichloroethene	5		1.0 U
1,2-Dichloroethane	0.6		1.0 U
1,2-Dichloroethene (Total)	5		---
1,2-Dichloropropane	1		1.0 U
2-Hexanone	50		5.0 U
4-Methyl-2-pentanone	NS		5.0 U
Acetone	50		10 U
Benzene	1		1.0 U
Bromodichloromethane	50		1.0 U
Bromoform	50		1.0 U
Bromomethane	5		1.0 U
Carbon disulfide	60		1.0 U
Carbon tetrachloride	5		1.0 U
Chlorobenzene	5		1.0 U
Chloroethane	5		1.0 U
Chloroform	7		1.0 U
cis-1,2-Dichloroethene	5		1.0 U
cis-1,3-Dichloropropene	0.4		1.0 U
Dibromochloromethane	50		1.0 U
Ethylbenzene	5		1.0 U
Methyl chloride	5		1.0 U
Methyl ethyl ketone	50		10 U
Methylene chloride	5		1.0 U
Styrene	5		1.0 U
Tetrachloroethene	5		1.0 U
Toluene	5		1.0 U
trans-1,2-Dichloroethene	5		1.0 U
trans-1,3-Dichloropropene	0.4		1.0 U
Trichloroethene	5		1.0 U
Vinyl chloride	2		1.0 U
Xylenes, Total	5		2.0 U

Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
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-04D - 9/14/1995 MW-04D_WG_091495 ug/l	MW-04D - 11/13/1995 MW-04D_WG_111395 ug/l	MW-04D - 7/24/1997 MW-04D_WG_072497 ug/l	MW-04D - 7/24/1997 MW-04D_WG_072497_DUP ug/l	MW-04D - 9/17/1997 MW-04D_WG_091797 ug/l	MW-04D - 2/17/2000 MW-04D_WG_021700 ug/l	MW-04D - 8/15/2001 MW-04D_WG_081501 ug/l	MW-04D - 11/29/2001 MW-04D_WG_112901 ug/l	MW-04D - 2/28/2002 MW-04D_WG_022802 ug/l	MW-04D - 5/14/2002 MW-04D_WG_051402 ug/l	MW-04D - 7/30/2003 MW-04D_WG_073003 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-04D - 2/5/2004 MW-04D_WG_020504 ug/l	MW-04D - 5/19/2004 MW-04D_WG_051904 ug/l	MW-04D - 8/5/2004 MW-04D_WG_080504 ug/l	MW-04D - 11/17/2004 MW-04D_WG_111704 ug/l	MW-04D - 2/15/2005 MW-04D_WG_021505 ug/l	MW-04D - 4/20/2005 MW-04D_WG_042005 ug/l	MW-04D - 9/7/2005 MW-4D_09072005 ug/l	MW-04D - 11/16/2005 MW-4D_11162005 ug/l	MW-04D - 4/27/2006 MW-4D_04272006 ug/l	MW-04D - 11/15/2006 MW-4D_11152006 ug/l	MW-04D - 5/3/2007 MW-4D_050307 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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-04D - 10/31/2007 MW 4-D-103107 ug/l	MW-04D - 5/23/2008 MW-4D-052208 ug/l	MW-04D - 11/19/2008 MW-4D ug/l	MW-04D - 10/21/2009 MW-4D-10210910212009 ug/l	MW-04D - 5/19/2010 MW-4D-05191005192010 ug/l	MW-04D - 1/20/2011 MW-4D-01202011 ug/l	MW-04D - 4/21/2011 MW-4D-042111 ug/l	MW-04D - 7/28/2011 MW-4D 072811 ug/l	MW-04D - 10/26/2011 MW4D102611 ug/l	MW-04D - 3/22/2012 MW4D032212 ug/l	MW-04D 8/9/2012 MW4D080912 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		0.5 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-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		10 HU	10 U	10 U	5 U	5 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
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		0.5 HU	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		0.16 JH	0.5 U	0.12 J	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	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
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	1.9	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	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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-4D - 12/20/2012 MW-4D-122012 ug/l	MW-4D - 5/22/2013 MW-4D-052213 ug/l	MW-4D - 8/21/2013 MW-4D-082113 ug/l	MW-4D - 12/19/2013 MW-4D-121913 ug/l	MW-4D - 3/27/2014 MW-4D-032714 ug/l	MW-4D - 6/10/2014 MW-4D-061014 ug/l	MW-4D - 9/25/2014 MW 4D 092514 ug/l	MW-4D - 12/9/2014 MW 4D 120914 ug/l	MW-4D - 3/17/2015 MW4D 031715 ug/l	MW-4D - 6/23/2015 MW4D 062315 ug/l	MW-4D - 9/22/2015 MW4D 092215 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-4D - 1/12/2016 MW4D 011216 ug/l	MW-4D - 3/30/2016 MW-4D-033016 ug/l	MW-4D - 6/21/2016 MW-4D-062116 ug/l	MW-4D - 9/20/2016 MW-4D-092016 ug/l	MW-4D - 12/21/2016 MW-4D-122116 ug/l	MW-4D - 4/13/2017 MW-4D-041317 ug/l	MW-4D - 6/28/2017 MW-4D-062817 ug/l	MW-4D - 9/14/2017 MW-4D-091417 ug/l	MW-4D - 12/21/2017 MW-4D-122117 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
1,1,2,2-Tetrachloroethane	5		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
1,1-Dichloroethane	5		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
1,2-Dichloroethane	0.6		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
2-Hexanone	50		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
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 U	1 U
Bromodichloromethane	50		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
Bromomethane	5		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
Carbon tetrachloride	5		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
Chloroethane	5		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
cis-1,2-Dichloroethene	5		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
Dibromochloromethane	50		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
Methyl chloride	5		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
Methylene chloride	5		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
Tetrachloroethene	5		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
trans-1,2-Dichloroethene	5		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
Trichloroethene	5		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
Xylenes, Total	5		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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-04S - 9/14/1995 MW-04S_WG_091495 ug/l	MW-04S - 11/13/1995 MW-04S_WG_111395 ug/l	MW-04S - 7/24/1997 MW-04S_WG_072497 ug/l	MW-04S - 9/17/1997 MW-04S_WG_091797 ug/l	MW-04S - 9/17/1997 MW-04S_WG_091797_DUP ug/l	MW-04S - 2/17/2000 MW-04S_WG_021700 ug/l	MW-04S - 8/15/2001 MW-04S_WG_081501 ug/l	MW-04S - 11/29/2001 MW-04S_WG_112901 ug/l	MW-04S - 2/28/2002 MW-04S_WG_022802 ug/l	MW-04S - 5/14/2002 MW-04S_WG_051402 ug/l	MW-04S - 7/31/2003 MW-04S_WG_073103 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-04S - 2/6/2004 MW-04S_WG_020604 ug/l	MW-04S - 5/19/2004 MW-04S_WG_051904 ug/l	MW-04S - 8/5/2004 MW-04S_WG_080504 ug/l	MW-04S - 11/17/2004 MW-04S_WG_111704 ug/l	MW-04S - 2/15/2005 MW-04S_WG_021505 ug/l	MW-04S - 4/19/2005 MW-04S_WG_041905 ug/l	MW-04S - 9/7/2005 MW-4S_09072005 ug/l	MW-04S - 11/16/2005 MW-4S_11162005 ug/l	MW-04S - 4/27/2006 MW-4S_04272006 ug/l	MW-04S - 11/16/2006 MW-4S_11162006 ug/l	MW-04S - 5/3/2007 MW-4S_050307 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-04S - 10/31/2007 MW 4-S-103107 ug/l	MW-04S - 5/22/2008 MW-4S-052208 ug/l	MW-04S - 11/18/2008 MW-4S ug/l	MW-04S - 10/21/2009 MW-4S-10210910212009 ug/l	MW-04S - 5/19/2010 MW-4S-05191005192010 ug/l	MW-04S - 1/20/2011 MW-4S-01202011 ug/l	MW-04S - 4/21/2011 MW-4S-042111 ug/l	MW-04S - 7/28/2011 MW-4S 072811 ug/l	MW-04S - 10/27/2011 MW4S102711 ug/l	MW-04S - 3/22/2012 MW4S032212 ug/l	MW-04S - 8/9/2012 MW4S080912 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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-4S - 12/20/2012 MW-4S-122012 ug/l	MW-4S - 5/22/2013 MW-4S-052213 ug/l	MW-4S - 8/22/2013 MW-4S-082213 ug/l	MW-4S - 12/19/2013 MW-4S-121913 ug/l	MW-4S - 3/27/2014 MW-4S-032714 ug/l	MW-4S - 6/11/2014 MW-4S-061114	MW-4S - 9/24/2014 MW-4S-092414	MW-4S - 12/10/2014 MW 4S 121014 ug/l	MW-4S - 3/18/2015 MW4S031815 ug/l	MW-4S - 6/25/2015 MW4S062515 ug/l	MW-4S - 9/23/2015 MW4S 092315 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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery 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 Quality Data - VOCs (1995 - 2017)
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-4S - 1/13/2016 MW4S 011316 ug/l	MW-4S - 3/30/2016 MW-4S-033016 ug/l	MW-4S - 6/21/2016 MW-4S-062116 ug/l	MW-4S - 9/21/2016 MW-4S-092116 ug/l	MW-4S - 12/21/2016 MW-4S-122116 ug/l	MW-4S - 4/13/2017 MW-4S-041317 ug/l	MW-4S - 6/28/2017 MW-4S-062817 ug/l	MW-4S - 9/14/2017 MW-4S-091417 ug/l	MW-4S - 12/21/2017 MW-4S-122117 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
1,1,2,2-Tetrachloroethane	5		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
1,1-Dichloroethane	5		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
1,2-Dichloroethane	0.6		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
2-Hexanone	50		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
Acetone	50		10 U *	10 U*	10 U	10 U	10 U	10 U	3.5 J	10 U	10 U
Benzene	1		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
Bromoform	50		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
Carbon disulfide	60		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
Chlorobenzene	5		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
Chloroform	7		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	1.1	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
Dibromochloromethane	50		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
Methyl chloride	5		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
Methylene chloride	5		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
Tetrachloroethene	5		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
trans-1,2-Dichloroethene	5		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
Trichloroethene	5		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
Xylenes, Total	5		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 - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits
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Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	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 Interval	-	-	-	-	-	-	-	-	-	-	-
		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
			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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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	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 Interval	-	-	-	-	-	-	-	-	-	-	-
		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
			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

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Forest Glen Superfund Site
Niagara Falls, New York

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		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		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	MW-5D-10210910212009	MW-5D-05191005192010	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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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	MW-5D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		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
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
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

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Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
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
		Depth Interval	-	-	-	-	-	-	-	-	-
		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
		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
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 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
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
1,1-Dichloroethene	5		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
1,2-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
2-Hexanone	50		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
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 U	1 U
Bromodichloromethane	50		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
Bromomethane	5		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
Carbon tetrachloride	5		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
Chloroethane	5		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
cis-1,2-Dichloroethene	5		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
Dibromochloromethane	50		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
Methyl chloride	5		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
Methylene chloride	5		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
Tetrachloroethene	5		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
trans-1,2-Dichloroethene	5		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
Trichloroethene	5		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
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Table 4
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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (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 Interval	-	-	-	-	-	-	-	-	-	-	-
		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	MW-05S_WG_021700_DUP	MW-05S_WG_081401	MW-05S_WG_112901	MW-05S_WG_022702	MW-05S_WG_051502	MW-05S_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		**[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

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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (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 Interval	-	-	-	-	-	-	-	-	-	-	-
		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]**

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Niagara Falls, New York

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		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		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	MW-5S-10210910212009	MW-5S-05191005192010	MW-5S-01202011	MW-5S-042011	MW-5S 072811	MW5S102711	MW5S032212
			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	**[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	1 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	1 U	1 U	1 U
1,1-Dichloroethane	5		**[8] J**	**[126] H**	**[33]**	**[24]**	**[43]**	**[10]**	**[5.4]**	**[7.5]**	**[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]**	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	1 U	1 U	1 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	1 U	1 U	1 U
2-Hexanone	50		125 U	125 HU	125 U	125 U	5 U	5 U	5 U	5 U	5 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	5 U	5 U	5 U
Acetone	50		250 U	250 HU	250 U	250 U	4.6 J	5 U	10 U	10 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	1 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	1 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	1 U	1 U	1 U
Bromomethane	5		25 U	25 HU	25 U	25 U	1 U	1 U	1 U	1 U	1 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	1 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	1 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	1 U	1 U	1 U
Chloroethane	5		25 U	25 HU	25 U	25 U	1 U	1 U	1 U	1 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	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		**[333]**	**[298] H**	**[395]**	**[300]**	**[75]**	**[420] D**	**[280]**	**[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	1 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	1 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	1 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	1 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	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	1 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	1 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	1 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	1 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]**	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	1 U	1 U	1 U
Trichloroethene	5		**[28.8]**	**[24.5] H**	**[15.2]**	**[90]**	**[5.1]**	**[19]**	**[17]**	**[15]**	**[32]**	**[15]**	**[16]**
Vinyl chloride	2		**[10.2] J**	**[22.8] JH**	**[55.5]**	**[37.2]**	**[8.7]**	**[58]**	**[49]**	**[52]**	**[53]**	**[13]**	**[300]**
Xylenes, Total	5		25 U	25 HU	25 U	25 U	1.8 J	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 Quality Data - VOCs (1995 - 2017)
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 Interval	-	-	-	-	-	-	-	-	-	-	-
		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 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
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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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		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
		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
			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
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		**[59]**	**[27]**	**[8.9]**	**[43]**	**[33]**	**[38]**	**[6]**	0.84 J	**[92]**	**[86]**
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]**
1,2-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*	6 J	3.5 J	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	0.41 J	0.19 J	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		**[82]**	**[38]**	**[16]**	**[97]**	**[58]**	**[180] F1**	**[5.6]**	3.8	**[88]**	**[76]**
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	0.71 J	1 U	1 U	1 U	0.7 J	1 U	1 U	0.51 J	0.49 J
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	1.4	1 U	0.94 J	1 U	2.2	1 U	1 U	3.2	4
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		**[10]**	**[12]**	**[8.7]**	**[22]**	**[20]**	**[92]**	2.2	**[6.7]**	**[33]**	**[26]**
Vinyl chloride	2		**[12]**	1 U	1 U	**[7.3]**	**[4.9]**	1 U	1 U	1 U	2.1	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

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Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (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
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		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_DUP	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
			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 - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (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
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		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
			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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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	X-1
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		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
		Sample ID	MW 6 D-103007	MW-6D-052208	MW-6D	MW-6D-102109102120009	MW-6D-05191005192010	MW-6D-01192011	MW-6D-042011	MW-6D072611	MW6D102611	MW6D032012	MW6D032012
			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
1,1,2,2-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
1,1,2-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
1,1-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
1,2-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
1,2-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
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
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
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
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
Bromoform	50		1 HU	2 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
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
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
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
Chloroethane	5		2 HU	2 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
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
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
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
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
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
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
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
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
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
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
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
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
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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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

		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 Interval	-	-	-	-	-	-	-	-	-	-	-
		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
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
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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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		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	12/20/217
		Sample ID	MW6D 062415	MW6D 092215	MW6D 011216	MW6D 032916	MW6D 062116	MW6D 092016	MW6D 122016	MW6D 041117	MW6D 062717	MW6D 091217	MW6D 122017
			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	1.0 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 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
1,1-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	0.56 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	1.0 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 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
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
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
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	1.0 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
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
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
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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
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
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
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	1.3
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
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
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
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
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	1.0 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
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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	1.0 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 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 U	1.0 U
Vinyl chloride	2		1.5 ^	**[2]**	1.5	1.2	1.3	1.4	1.4	1.2	1.4	1.4	1.3
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 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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Table 4
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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	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 Interval	-	-	-	-	-	-	-	-	-	-	-
		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	MW-06S_WG_091797_DUP	MW-06S_WG_021500	MW-06S_WG_081501	MW-06S_WG_112901	MW-06S_WG_022702	MW-06S_WG_051502	MW-06S_WG_072903
			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 - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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 Interval	-	-	-	-	-	-	-	-	-	-	-
		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 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
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

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		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		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	MW-6S-10210910212009	MW-6S-05191005192010	MW-6S-01192011	MW-6S-042011	MW-6S072611	MW6S102611	MW6S032012
			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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (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 Interval	-	-	-	-	-	-	-	-	-	-	-
		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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[ ] - 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 Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	X-1	MW-6S	MW-6S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		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	12/20/2017
		Sample ID	MW6S 092315	MW6S 011216	MW6S 032916	MW6S 062116	MW6S 092016	MW6S 122016	MW6S 041117	MW6S 062817	MW6S 062817	MW6S 091417	MW6S 122017
			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	1.0 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 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
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,2-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
1,2-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
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
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
Acetone	50		10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3.3 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	1.0 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
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
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
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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
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
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
cis-1,2-Dichloroethene	5		**[10]**	**[10]**	**[52]**	**[5]**	**[7.9]**	**[6.9]**	**[17]**	**[15]**	**[14]**	**[10]**	4.7
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	1.0 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
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
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
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	1.0 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
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.39 J	1 U	1 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
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	1.0 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 U	1.0 U
Trichloroethene	5		1 U	1 U	0.8 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
Vinyl chloride	2		**[2.8]**	**[5.7]**	**[16]**	1 U	**[11]**	**[6.2]**	**[8.7]**	**[9.1]**	**[8.9]**	**[3.8]**	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 U	2.0 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 Quality Data - VOCs (1995 - 2017)
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
		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 (60-62)	MW-06DD_WG_072903 (69-70)	MW-06DD_WG_072903 (80-81)	MW-06DD_WG_020404	MW-06DD_WG_051804 (60-62)	MW-06DD_WG_080504 (60-62)	MW-06DD_WG_111604 (60-62)	MW-06DD_WG_021505 (60-62)	MW-06DD_WG_041805 (60-62)	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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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Data have not been validated

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Groundwater Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

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
	Class GA	MW-6DD_04252006	MW-6DD_11152006	MW-6DD_050207	MW 6 DD-103007	MW 6 DD-052208	MW 6 DD-111908	MW-6DD-10212009	MW-6DD-05191005192010	MW-6DD-01192011	MW-6DD-042011	MW-6DD072611
Chemical Name	GW Stds (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	1.24	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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-06DD 10/26/2011 MW6DD102611 ug/l	MW-06DD - 3/20/2012 MW6DD032012 ug/l	MW-6DD 8/7/2012 MW6DD080712 ug/l	MW-6DD - 12/19/2012 MW-6DD-121912 ug/l	MW-6DD - 5/21/2013 MW-6DD-052113 ug/l	MW-6DD - 8/21/2013 MW-6DD-0821113 ug/l	MW-6DD - 12/18/2013 MW-6DD-121813 ug/l	MW-6DD - 3/25/2014 MW-6DD-032514 ug/l	MW-6DD 6/10/2014 MW-6DD-061014 ug/l	MW-6DD - 9/23/2014 MW6DD092314 ug/l	MW-6DD - 12/9/2014 MW 6DD 120914 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

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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
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-6DD - 3/17/2015 MW6DD 031715 ug/l	MW-6DD - 6/24/2015 MW6DD 062515 ug/l	MW-6DD - 9/22/2015 MW6DD 092215 ug/l	MW-6DD - 1/12/2016 MW6DD 011216 ug/l	MW-6DD - 3/29/2016 MW6DD 032916 ug/l	MW-6DD - 6/21/2016 MW6DD 062116 ug/l	MW-6DD - 9/20/2016 MW6DD 092016 ug/l	MW-6DD - 12/20/2016 MW6DD 122016 ug/l	MW-6DD - 4/11/2017 MW6DD 041117 ug/l	MW-6DD - 6/28/2017 MW6DD 062817 ug/l	MW-6DD - 9/12/2017 MW6DD 091217 ug/l	MW-6DD - 12/20/2017 MW6DD 122017 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	1.0 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 U	1 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 U	1.0 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	1.0 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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 U	1 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 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 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 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 U	1 U	1 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 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 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 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 U	1 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 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 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 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 U	1.0 U
cis-1,2-Dichloroethene	5		**[20]**	**[19]**	**[13]**	**[17]**	**[19]**	**[20]**	**[10]**	**[8.6]**	**[13]**	**[24]**	**[22]**	**[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	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 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 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 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 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 U	1.0 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	1.0 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	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 U	1 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 U	1 U	1.0 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	1.0 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]**	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 U	2 U	2.0 U

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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 / Depth Interval / Sample Date / Sample ID ug/l	MW-07S - 9/12/1995 MW-07S_WG_091295 ug/l	MW-07S - 11/13/1995 MW-07S_WG_111395 ug/l	MW-07S - 7/23/1997 MW-07S_WG_072397 ug/l	MW-07S - 9/18/1997 MW-07S_WG_091897 ug/l	MW-07S - 2/18/2000 MW-07S_WG_021800 ug/l	MW-07S - 8/16/2001 MW-07S_WG_081601 ug/l	MW-07S - 11/28/2001 MW-07S_WG_112801 ug/l	MW-07S - 2/25/2002 MW-07S_WG_022502 ug/l	MW-07S - 5/16/2002 MW-07S_WG_051602 ug/l	MW-07S - 7/29/2003 MW-07S_WG_072903 ug/l	MW-07S - 2/3/2004 MW-07S_WG_020304 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-07S - 5/17/2004 MW-07S_WG_051704 ug/l	MW-07S - 8/4/2004 MW-07S_WG_080404 ug/l	MW-07S - 11/15/2004 MW-07S_WG_111504 ug/l	MW-07S - 2/14/2005 MW-07S_WG_021405 ug/l	MW-07S - 4/18/2005 MW-07S_WG_041805 ug/l	MW-07S - 9/8/2005 MW-7S_09082005 ug/l	MW-07S - 11/16/2005 MW-7S_11162005 ug/l	MW-07S - 4/26/2006 MW-7S_04262006 ug/l	MW-07S - 11/15/2006 MW-7S_11152006 ug/l	MW-07S - 5/2/2007 MW-7S_050207 ug/l	MW-07S - 10/31/2007 MW 7-S-103107 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-07S - 5/21/2008 MW 7-S-052108 ug/l	MW-07S - 11/20/2008 MW 7-S-112008 ug/l	MW-07S - 10/20/2009 MW-7S-10202009 ug/l	MW-07S - 05/17/2010 MW-7S-05171005172010 ug/l	MW-07S - 01/18/2011 MW-7S-01182011 ug/l	MW-07S - 4/19/2011 MW-7S-041911 ug/l	MW-07S - 7/27/2011 MW-7S072711 ug/l	MW-07S 10/26/2011 MW7S102611 ug/l	MW-07S - 3/21/2012 MW7S032112 ug/l	MW-7S 8/8/2012 MW7S080812 ug/l	MW-7S - 12/18/2012 MW-7S-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		---	---	---	---	---	---	---	---	---	---	---
1,2-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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-7S - 5/23/2013 MW-7S-052313 ug/l	MW-7S - 8/20/2013 MW-7S-082013 ug/l	MW-7S - 12/17/2013 MW-7S-121713 ug/l	MW-7S - 3/26/2014 MW-7S-032614 ug/l	MW-7S - 6/11/2014 MW-7S-061114 ug/l	MW-7S - 9/24/2014 MW7S092414 ug/l	MW-7S - 12/10/2014 MW 7S 121014 ug/l	MW-7S - 3/18/2015 MW7S031815 ug/l	MW-7S - 6/24/2015 MW7S031815 ug/l	MW-7S - 9/23/2015 MW7S 092315 ug/l	MW-7S - 1/13/2016 MW7S 011216 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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-7S - 3/29/2016 MW7S 032916 ug/l	X-1 - 3/29/2016 MW7S 032916 ug/l	MW-7S - 6/2/2016 MW7S 062216 ug/l	MW-7S - 9/21/2016 MW7S 092116 ug/l	MW-7S - 12/21/2016 MW7S 122116 ug/l	MW-7S - 4/12/2017 MW7S 041217 ug/l	MW-7S - 6/28/2017 MW7S 062817 ug/l	MW-7S - 9/13/2017 MW7S 091317 ug/l	MW-7S - 12/20/2017 MW7S 122017 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
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
1,2-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
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 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
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 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
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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 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
Tetrachloroethene	5		1 U	1 U	1 U	0.46 J	0.53 J	1 U	1 U	0.66 J	1.0 U
Toluene	5		1 U	1 U	1 U	1	1 U	1 U	1 U	1 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
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
Trichloroethene	5		1 U	1 U	0.62 J	2.4	1.4	1	1	1.8	1.1
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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

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.
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Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
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-07D - 9/21/1995 MW-07D_WG_092195	MW-07D - 11/14/1995 MW-07D_WG_111495	MW-07D - 7/23/1997 MW-07D_WG_072397	MW-07D - 9/18/1997 MW-07D_WG_091897	MW-07D - 2/18/2000 MW-07D_WG_021800	MW-07D - 8/16/2001 MW-07D_WG_081601	MW-07D - 11/28/2001 MW-07D_WG_112801	MW-07D - 2/25/2002 MW-07D_WG_022502	MW-07D - 5/16/2002 MW-07D_WG_051602	MW-07D - 7/29/2003 MW-07D_WG_072903	MW-07D - 2/3/2004 MW-07D_WG_020304
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

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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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-07D - 5/17/2004 MW-07D_WG_051704 ug/l	MW-07D - 8/4/2004 MW-07D_WG_080404 ug/l	MW-07D - 11/15/2004 MW-07D_WG_111504 ug/l	MW-07D - 2/14/2005 MW-07D_WG_021405 ug/l	MW-07D - 4/18/2005 MW-07D_WG_041805 ug/l	MW-07D - 9/8/2005 MW-7D_09082005 ug/l	MW-07D - 11/16/2005 MW-7D_11162005 ug/l	MW-07D - 4/26/2006 MW-7D_04262006 ug/l	MW-07D - 11/15/2006 MW-7D_11152006 ug/l	MW-07D - 5/2/2007 MW-7D_050207 ug/l	MW-07D - 10/31/2007 MW 7-D-103107 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

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Forest Glen Superfund Site
Niagara Falls, New York

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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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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-7D - 12/18/2012 MW-7D-121812 ug/l	MW-7D - 5/23/2013 MW-7D-052313 ug/l	MW-7D - 8/20/2013 MW-7D-082013 ug/l	MW-7D - 12/17/2013 MW-7D-121713 ug/l	MW-7D - 3/26/2014 MW-7D-032614 ug/l	MW-7D - 6/11/2014 MW-7D-061114 ug/l	MW-7D - 9/24/2014 MW7D092414 ug/l	MW-7D - 12/10/2014 MW 7D 121014 ug/l	MW-7D - 3/18/2015 MW7D031815 ug/l	MW-7D - 6/24/2015 MW7D062415 ug/l	MW-7D - 9/23/2015 MW7D 092315 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

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-7D - 1/13/2016 MW7D 011316 ug/l	MW-7D - 3/29/2016 MW7D 032916 ug/l	MW-7D - 6/22/2016 MW7D 062216 ug/l	MW-7D - 9/21/2016 MW7D 092116 ug/l	MW-7D - 12/21/2016 MW7D 122116 ug/l	MW-7D - 4/12/2017 MW7D 041217 ug/l	MW-7D - 6/28/2017 MW7D 062817 ug/l	MW-7D - 9/13/2017 MW7D 091317 ug/l	MW-7D - 12/20/2017 MW7D 122017 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
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
1,2-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
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 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
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 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
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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 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
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.61 J	0.36 J
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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
Trichloroethene	5		0.85 J	0.58 J	0.53 J	1 U	1.1	1.1	0.99 J	1.6	1.1
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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

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 Quality Data - VOCs (1995 - 2017)
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	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 (53-55)	MW-07DD_WG_072903 (66-68)	MW-07DD_WG_072903 (82-84)	MW-07DD_WG_020404	MW-07DD_WG_051804 (53-55)	MW-07DD_WG_080404 (53-55)	MW-07DD_WG_111504 (53-55)	MW-07DD_WG_021405 (53-55)	MW-07DD_WG_041805 (53-55)	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

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Niagara Falls, New York

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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:
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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 Quality Data - VOCs (1995 - 2017)
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-07DD 10/26/2011 MW7DD102611 ug/l	MW-07DD - 3/21/2012 MW7DD032112 ug/l	MW-7DD 8/8/2012 MW7DD080812 ug/l	MW-7DD - 12/18/2012 MW-7DD-121812 ug/l	X-1 - 12/18/2012 MW-7DD-121812 ug/l	MW-7DD - 5/23/2013 MW-7DD-052313 ug/l	MW-7DD - 8/20/2013 MW-7DD-082013 ug/l	MW-7DD - 12/17/2013 MW-7DD-121713 ug/l	MW-7DD - 3/26/2014 MW-7DD-032614 ug/l	MW-7DD - 6/11/2014 MW-7DD-061114 ug/l	MW-7DD - 9/24/2014 MW7DD092414 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:
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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 Quality Data - VOCs (1995 - 2017)
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-7DD - 12/10/2014 MW 7DD 121014 ug/l	MW-7DD - 3/18/2015 MW7DD031815 ug/l	MW-7DD - 6/24/2015 MW7DD062415 ug/l	MW-7DD - 9/23/2015 MW7DD 092315 ug/l	MW-7DD - 1/13/2016 MW7DD 011316 ug/l	MW-7DD - 3/29/2016 MW7DD 032916 ug/l	MW-7DD - 6/22/2016 MW7DD 062216 ug/l	MW-7DD - 9/21/2016 MW7DD 092116 ug/l	MW-7DD - 12/20/2016 MW7DD 122016 ug/l	MW-7DD - 4/12/2017 MW7DD 041217 ug/l	MW-7DD - 6/28/2017 MW7DD 062817 ug/l	MW-7DD - 9/13/2017 MW7DD 091317 ug/l	MW-7DD - 12/20/2017 MW7DD 122017 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 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 U	1 U	1 U	1.0 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 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 U	1 U	1 U	1.0 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 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 U	1 U	1 U	1.0 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	1 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 U	5 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 U	5 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	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	1 U	1.0 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	1 U	1.0 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	1 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 U	1 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 U	1 U	1 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 U	1 U	1.0 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	1 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 U	1 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 U	1 U	1.0 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	1.2	1.0 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	1 U	1.0 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	1 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 U	1 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 U	1 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	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	1 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 U	1 U	1.0 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	1 U	1.0 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	1 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 U	1 U	1 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 U	1 U	1 U	1.0 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	1 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 U	1 U	1 U	1.0 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	2 U	2.0 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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 - 9/14/1995 MW-08S_WG_091495 ug/l	MW-08S - 11/14/1995 MW-08S_WG_111495 ug/l	MW-08S - 7/23/1997 MW-08S_WG_072397 ug/l	MW-08S - 9/18/1997 MW-08S_WG_091897 ug/l	MW-08S - 2/18/2000 MW-08S_WG_021800 ug/l	MW-08S - 8/16/2001 MW-08S_WG_081601 ug/l	MW-08S - 11/28/2001 MW-08S_WG_112801 ug/l	MW-08S - 2/25/2002 MW-08S_WG_022502 ug/l	MW-08S - 5/16/2002 MW-08S_WG_051602 ug/l	MW-08S - 7/30/2003 MW-08S_WG_073003 ug/l	MW-08S - 2/3/2004 MW-08S_WG_020304 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

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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
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 - 5/17/2004 MW-08S_WG_051704 ug/l	MW-08S - 8/4/2004 MW-08S_WG_080404 ug/l	MW-08S - 11/16/2004 MW-08S_WG_111604 ug/l	MW-08S - 2/15/2005 MW-08S_WG_021505 ug/l	MW-08S - 4/19/2005 MW-08S_WG_041905 ug/l	MW-08S - 9/7/2005 MW-8S_09072005 ug/l	MW-08S - 11/16/2005 MW-8S_11162005 ug/l	MW-08S - 4/26/2006 MW-8S_04262006 ug/l	MW-08S - 11/15/2006 MW-8S_11152006 ug/l	MW-08S - 5/2/2007 MW-8S_050207 ug/l	MW-08S - 11/1/2007 MW8-S-110107 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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 MW-8S-05181005182010 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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[ ] - 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 Quality Data - VOCs (1995 - 2017)
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-8S - 5/22/2013 MW-8S-052313 ug/l	MW-8S - 8/20/2013 MW-8S-082013 ug/l	X-1-082013 - 8/20/2013 MW-8S-082013 ug/l	MW-8S - 12/17/2013 MW-8S-121713 ug/l	MW-8S - 3/26/2014 MW-8S-032614 ug/l	MW-8S - 6/11/2014 MW-8S-061114 ug/l	MW-8S - 9/24/2014 MW8S092414 ug/l	MW-8S - 12/10/2014 MW 8S 121014 ug/l	MW-8S - 3/17/2015 MW8S 031715 ug/l	MW-8S - 6/24/2015 MW8S 062415 ug/l	MW-8S - 9/23/2015 MW8S 092315 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

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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 Quality Data - VOCs (1995 - 2017)
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-8S - 1/13/2016 MW8S 011316 ug/l	MW-8S - 3/29/2016 MW8S 032916 ug/l	MW-8S - 6/22/2016 MW8S 062216 ug/l	MW-8S - 9/21/2016 MW8S 092116 ug/l	MW-8S - 12/21/2016 MW8S 122116 ug/l	MW-8S - 4/12/2017 MW8S 041217 ug/l	MW-8S - 6/28/2017 MW8S 062817 ug/l	MW-8S - 9/13/2017 MW8S 091317 ug/l	MW-8S - 12/20/217 MW8S 122017 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
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	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
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U
1,2-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
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U F1	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
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 U F1	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
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
cis-1,2-Dichloroethene	5		2.2	2.4	2.7	1 U	2.1	2.1	2.1	3	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
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	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
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	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 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
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
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U F1	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
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
Trichloroethene	5		3.5	4.5	3.1	1.1	2.4	3.5	3.1	3	3.3
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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

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 Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

		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
	Class GA	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
	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	0.3 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-08D - 5/17/2004	MW-08D - 8/4/2004	MW-08D - 11/16/2004	MW-08D - 2/15/2005	MW-08D - 4/18/2005	MW-08D - 9/7/2005	MW-08D - 11/16/2005	MW-08D - 4/26/2006	MW-08D - 11/15/2006	MW-08D - 5/2/2007	MW-08D - 11/1/2007	MW-08D - 5/22/2008
				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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside limits
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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
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-08D - 11/18/2008 MW8-D-111808 ug/l	MW-08D - 10/20/2009 MW-8D-10202009 ug/l	MW-08D 05/18/2010 MW-8D-05181005182010 ug/l	MW-08D 01/19/2011 MW-8D-01192011 ug/l	MW-08D - 4/19/2011 MW-8D-041911 ug/l	MW-08D - 7/27/2011 MW-8D072711 ug/l	MW-08D 10/25/2011 MW8D102511 ug/l	MW-08D - 3/21/2012 MW8D032112 ug/l	MW-8D 8/8/2012 MW8D080812 ug/l	MW-8D - 12/18/2012 MW-8D-121812 ug/l	MW-8D - 5/22/2013 MW-8D-052213 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:
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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
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-8D - 8/20/2013 MW-8D-082013 ug/l	MW-8D - 12/17/2013 MW-8D-121713 ug/l	MW-8D - 3/26/2014 MW-8D-032614 ug/l	X-1 - 3/26/2014 MW-8D-032614 ug/l	MW-8D - 6/11/2014 MW-8D-061114 ug/l	MW-8D - 9/24/2014 MW8D092414 ug/l	X-1 - 9/24/2014 MW8D092414 ug/l	MW-8D - 12/10/2014 MW 8D 121014 ug/l	MW-8D - 3/17/2015 MW8D 031715 ug/l	MW-8D - 6/24/2015 MW8D 062415 ug/l	MW-8D - 9/23/2015 MW8D 092315 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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-8D - 1/13/2016 MW8D 011316 ug/l	MW-8D - 3/30/2016 MW-8D-033016 ug/l	MW-8D - 6/22/2016 MW-8D-062216 ug/l	MW-8D - 9/21/2016 MW-8D-092116 ug/l	MW-8D - 12/21/2016 MW-8D-122116 ug/l	MW-8D - 4/13/2017 MW-8D-041317 ug/l	MW-8D - 6/28/2017 MW-8D-062817 ug/l	MW-8D - 9/13/2017 MW-8D-091317 ug/l	MW-8D - 12/20/2017 MW-8D-122017 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
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
1,2-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
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 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
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 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
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	0.24 J	1 U	1 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
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
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
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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 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
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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 (53-56)	MW-08DD_WG_072803 (69-70)	MW-08DD_WG_072803 (80-83)	MW-08DD_WG_020404	MW-08DD_WG_051704 (53-56)	MW-08DD_WG_080404 (53-56)	MW-08DD_WG_111504 (53-56)	MW-08DD_WG_021505 (53-56)	MW-08DD_WG_041905 (53-56)	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

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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 Quality Data - VOCs (1995 - 2017)
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-08DD - 4/26/2006 MW-8DD_04262006 ug/l	MW-08DD - 11/15/2006 MW-8DD_11152006 ug/l	MW-08DD - 5/2/2007 MW-8DD_050207 ug/l	MW-08DD - 11/1/2007 MW-8DD-110107 ug/l	MW-08DD - 5/22/2008 MW-8DD-052208 ug/l	MW-08DD - 11/18/2008 MW-8DD-111808 ug/l	MW-08DD - 10/20/2009 MW-8DD-10202009 ug/l	MW-08DD 05/18/2010 MW-8DD-05181005182010 ug/l	MW-08DD 01/18/2011 MW-8DD-01182011 ug/l	MW-08DD - 4/19/2011 MW-8DD-041911 ug/l	MW-08DD - 7/27/2011 MW-8DD072711 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

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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 Quality Data - VOCs (1995 - 2017)
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-08DD 10/25/2011 MW8DD102511 ug/l	MW-08DD - 3/21/2012 MW8DD032112 ug/l	MW-8DD 8/8/2012 MW8DD080812 ug/l	MW-8DD - 12/18/2012 MW-8DD-121812 ug/l	MW-8DD - 5/22/2013 MW-8DD-052213 ug/l	MW-8DD - 8/20/2013 MW-8DD-082013 ug/l	MW-8DD - 12/17/2013 MW-8DD-121713 ug/l	MW-8DD - 3/26/2014 MW-8DD-032614 ug/l	MW-8DD - 6/11/2014 MW-8DD-061114 ug/l	MW-8DD - 9/24/2014 MW8DD092414 ug/l	MW-8DD - 12/10/2014 MW 8DD 121014 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-8DD - 3/18/2015 MW8DD031815 ug/l	MW-8DD - 6/24/2015 MW8DD062415 ug/l	MW-8DD - 9/23/2015 MW8DD 092315 ug/l	MW-8DD - 1/13/2016 MW8DD 011316 ug/l	MW-8DD - 3/30/2016 MW-8DD-033016 ug/l	MW-8DD - 6/22/2016 MW-8DD-062216 ug/l	MW-8DD - 9/21/2016 MW-8DD-092116 ug/l	MW-8DD - 12/21/2016 MW-8DD-122116 ug/l	MW-8DD - 4/13/2017 MW-8DD-041317 ug/l	MW-8DD - 6/28/2017 MW-8DD-062817 ug/l	MW-8DD - 9/13/2017 MW-8DD-062817 ug/l	MW-8DD - 12/20/217 MW-8DD-122017 ug/l	X-1 - 12/20/217 MW-8DD-122017 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	1.0 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 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 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 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 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 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 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 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 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	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	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 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 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 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 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 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 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 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 U	1.0 U	1.0 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	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 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 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 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 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	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	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 U	1.0 U	1.0 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	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 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 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 U	1 U	1.0 U	1.0 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	1.0 U	1.0 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	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 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

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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-10S - 8/1/1997 MW-10S_WG_080197 ug/l	MW-10S - 9/15/1997 MW-10S_WG_091597 ug/l	MW-10S - 2/15/2000 MW-10S_WG_021500 ug/l	MW-10S - 8/14/2001 MW-10S_WG_081401 ug/l	MW-10S - 11/29/2001 MW-10S_WG_112901 ug/l	MW-10S - 2/27/2002 MW-10S_WG_022702 ug/l	MW-10S - 5/15/2002 MW-10S_WG_051502 ug/l	MW-10S - 7/30/2003 MW-10S_WG_073003 ug/l	MW-10S - 2/5/2004 MW-10S_WG_020504 ug/l	MW-10S - 5/18/2004 MW-10S_WG_051804 ug/l	MW-10S - 8/5/2004 MW-10S_WG_080504 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:
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Niagara Falls, New York

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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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[ ] - 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 Quality Data - VOCs (1995 - 2017)
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-10S - 10/22/2009 MW-10S-10222009 ug/l	MW-10S - 05/18/2010 MW-10S-05181005182010 ug/l	MW-10S - 01/20/2011 MW-10S-01202011 ug/l	MW-10S - 4/20/2011 MW-10S-042011 ug/l	MW-10S - 7/26/2011 MW-10S072611 ug/l	MW-10S 10/27/2011 MW10S102711 ug/l	MW-10S - 3/20/2012 MW10S032012 ug/l	MW-10S 8/7/2012 MW10S080712 ug/l	MW-10S - 12/19/2012 MW-10S-121912 ug/l	MW-10S 5/21/2013 MW-10-052113 ug/l	MW-10S 8/22/2013 MW-10-082213 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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Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
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-10S 12/18/2013 MW-10S-121813 ug/l	MW-10S - 3/25/2014 MW-10S-032514 ug/l	MW-10S - 6/10/2014 MW-10S-061014 mg/l	MW-10S - 9/23/2014 MW10S092314 ug/l	MW-10S - 12/9/2014 MW 10S 120914 ug/l	X-1 - 12/9/2014 MW 10S 120914 ug/l	MW-10S - 3/17/2015 MW10S 031715 ug/l	MW-10S - 6/25/2015 MW10S 062515 ug/l	MW-10S - 9/22/2015 MW10S 092215 ug/l	MW-10S - 1/12/2016 MW10S 011216 ug/l	MW-10S - 3/29/2016 MW10S 032916 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

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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995 - 2017)
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-10S - 6/21/2016 MW10S 062116 ug/l	MW-10S - 9/20/2016 MW10S 092016 ug/l	MW-10S - 12/20/2016 MW10S 122016 ug/l	MW-10S - 4/11/2017 MW10S 041117 ug/l	MW-10S - 6/27/2017 MW10S 062717 ug/l	MW-10S - 9/12/2017 MW10S 091217 ug/l	MW-10S - 12/21/2017 MW10S 122117 ug/l
1,1,1-Trichloroethane	5		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
1,1,2-Trichloroethane	1		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
1,1-Dichloroethene	5		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
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---
1,2-Dichloropropane	1		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
4-Methyl-2-pentanone	NS		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
Benzene	1		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
Bromoform	50		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
Carbon disulfide	60		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
Chlorobenzene	5		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
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		**[10]**	**[14]**	**[13]**	1.2	1.3	**[29]**	3.3
cis-1,3-Dichloropropene	0.4		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
Ethylbenzene	5		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
Methyl ethyl ketone	50		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
Styrene	5		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
Toluene	5		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
trans-1,3-Dichloropropene	0.4		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
Vinyl chloride	2		**[2.3]**	**[2.8]**	**[1.4]**	1 U	1 U	**[6.6]**	1 U
Xylenes, Total	5		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 Quality Data - VOCs (1995 - 2017)
Forest Glen Superfund Site
Niagara Falls, New York

		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
	Class GA	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
	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		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 - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-10D - 11/17/2004 MW-10D_WG_111704 ug/l	MW-10D - 2/15/2005 MW-10D_WG_021505 ug/l	MW-10D - 4/20/2005 MW-10D_WG_042005 ug/l	MW-10D - 9/6/2005 MW-10D_09062005 ug/l	MW-10D - 11/14/2005 MW-10D_11142005 ug/l	MW-10D - 4/25/2006 MW-10D_04252006 ug/l	MW-10D - 11/14/2005 MW-10D_11142005 ug/l	MW-10D - 4/25/2006 MW-10D_04252006 ug/l	MW-10D - 11/14/2006 MW-10D_11142006 ug/l	MW-10D - 5/3/2007 MW-10D_050307 ug/l	MW-10D - 10/30/2007 MW 10 D-103007 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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-10D 5/22/2008 MW 10 D-052208 ug/l	MW-10D 11/19/2008 MW 10 D-111908 ug/l	MW-10D - 10/22/2009 MW-10D-10222009 ug/l	MW-10D 5/18/2010 MW-10D-05181005182010 ug/l	MW-10D 1/20/2011 MW-10D-01202011 ug/l	MW-10D - 7/26/2011 MW-10D072611 ug/l	MW-10D - 4/20/2011 MW-10D-042011 ug/l	MW-10D - 7/26/2011 X1072611 ug/l	MW-10D 10/27/2011 MW10D102711 ug/l	MW-10D - 3/20/2012 MW10D032012 ug/l	MW-10D 8/7/2012 MW10D080712 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

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-10D - 12/19/2012 MW-10D-121912 ug/l	MW-10D - 5/21/2013 MW-10D-052113 ug/l	MW-10D - 8/22/113 MW-10D-082213 ug/l	MW-10D - 12/18/2013 MW-10D-121813 ug/l	X-1-121813 - 12/18/2013 MW-10D-121813 ug/l	MW-10D - 3/25/2014 MW-10D-032514 ug/l	MW-10D - 6/10/2014 MW-10D-061014 ug/l	MW-10D - 9/23/2014 MW10D092314 ug/l	MW-10D - 12/9/2014 MW 10D 120914 ug/l	MW-10D - 3/17/2015 MW10D 031715 ug/l	X-1 - 3/17/2015 MW10D 031715 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

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality Data - VOCs (1995 - 2017)
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-10D - 6/25/2015 MW10D 062515 ug/l	MW-10D - 9/22/2015 MW10D 092215 ug/l	MW-10D - 1/12/2016 MW10D 011216 ug/l	MW-10D - 3/29/2016 MW10D 032916 ug/l	MW-10D - 6/21/2016 MW10D 062116 ug/l	MW-10D - 9/20/2016 MW10D 092016 ug/l	MW-10D - 12/20/2016 MW10D 122016 ug/l	MW-10D - 4/12/2017 MW10D 041217 ug/l	MW-10D - 6/27/2017 MW10D 062717 ug/l	MW-10D - 9/12/2017 MW10D 091217 ug/l	MW-10D - 12/21/2017 MW10D 122117 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 - te sample, --- Not analyzed, F - MS and/or MSD recovery exceeds the control limits, ^ - instrument related QC is outside 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 Quality 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, Filtered	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 Quality 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 MW-1S-05181005182010 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-1S-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 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, Filtered	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		---	---	---	---	---	---	---	---	---	---

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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 Quality 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
Alkalinity (As Caco3)	NS	mg/L	203	282	363 B	265	282	349 B
Chloride	250	mg/L	**[2030]**	**[1260]**	**[880]**	**[1150]**	**[1180]**	**[788]**
Nitrate (as N)	10	mg/L	0.37	0.41	0.67	0.12	0.13	0.05 U
Nitrite (as N)	1	mg/l	0.022 JB	0.05 U	0.033 JB	0.05	0.05	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---
Sulfate	250	mg/l	**[292]**	**[278]**	**[275] B**	217	217	217
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.05 J	0.06 J	0.1 U
Total Organic Carbon, Filtered	NS	mg/L	3	3.1	4.3	2.2	2.3	4.5 B
pH	NS	STD u	---	---	---	---	---	---

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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 Quality 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, Filtered	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	---	---	---	---	---	---	---	---	---	---

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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 Quality 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 - 5/18/2010 MW-1D-05181005182010 mg/l	MW-01D - 1/19/2011 MW-1D-01192011 mg/l	MW-01D - 4/18/2011 MW-1D-041811 mg/l	MW-01D - 7/26/2011 MW-1D072611 mg/l	MW-01D - 10/25/2011 MW1D102511 mg/l	MW-01D - 3/20/2012 MW1D032012 mg/l	MW-1D - 8/7/2012 MW1D080712 mg/l	X-1 - 8/7/2012 MW1D080712 mg/l	MW-1D - 12/18/2012 MW-1D-121812 mg/l	MW-1D - 5/21/2013 MW-1D-052113 mg/l	MW-1D - 8/19/2013 MW-1D-081913 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, Filtered	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:
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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 Quality 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
Alkalinity (As Caco3)	NS	mg/L	365	377	417 B	299	311 B	320 B
Chloride	250	mg/L	**288 B**	**[265]**	**[236]**	**[252]**	**[302]**	184
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.02 J	0.05	0.05 U	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---		---	---	---
Sulfate	250	mg/l	199	202	207	132	185	**[269]**
Total Sulfides	NS	mg/l	0.1	0.15	0.24	0.63 F1	0.28	0.53 H
Total Organic Carbon, Filtered	NS	mg/L	3.8	5.4	3.3	2.4	3.4 B	4.2 B
pH	NS	STD u	---	---	---	---	---	---

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H - Sample analyzed beyond the specified holding time
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Table 5
Groundwater Quality 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, Filtered	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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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Quality 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 MW-4S-05191005192010 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, Filtered	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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[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Quality 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-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
Alkalinity (As Caco3)	NS	mg/L	401 B	421 B	---	411 B	442 B
Chloride	250	mg/L	65.4	70.7	---	42.1	92.2
Nitrate (as N)	10	mg/L	0.037 J	0.02 J	---	0.06	0.034 J
Nitrite (as N)	1	mg/l	0.05 U	0.043 JB	---	0.05	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---
Sulfate	250	mg/l	**[427]**	**[840]**	---	**[504]**	**[459]**
Total Sulfides	NS	mg/l	0.092 J	0.072 J	---	0.14	0.14
Total Organic Carbon, Filtered	NS	mg/L	5.2	3.4	---	2.4	7.1 B
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 Quality 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-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, Filtered	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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Table 5
Groundwater Quality 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-04D - 05/19/2010 MW-4D-05191005192010 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, Filtered	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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H - Sample analyzed beyond the specified holding time
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Data have note been validated

Table 5
Groundwater Quality 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-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
Alkalinity (As Caco3)	NS	mg/L	355 B	292	72.5 B	319 B	327 B
Chloride	250	mg/L	213	226	**[283]**	**[253]**	245
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---
Sulfate	250	mg/l	**[346]**	**[328]**	**[297]**	**[337] B**	**[299]**
Total Sulfides	NS	mg/l	0.92	0.96	0.48	1.4	0.66
Total Organic Carbon, Filtered	NS	mg/L	3.8	3.6	3.1	2.5	3.6 B
pH	NS	STD u	---	---	---	---	---

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Table 5
Groundwater Quality 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-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, Filtered	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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Table 5
Groundwater Quality 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-05S - 05/19/2010 MW-5S-05191005192010 mg/l	MW-05S - 01/20/2011 MW-5S-01202011 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 MW5S102711 mg/l	MW-05S - 3/22/2012 MW5S032212 mg/l	MW-5S - 8/9/2012 MW5S080912 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
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, Filtered	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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Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	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 - 4/12/017 MW 5S 041217 mg/l	MW-5S - 9/14/2017 MW 5S 091417 mg/l
Alkalinity (As Caco3)	NS	mg/L	362 B	443	40.2 B	228	442 B
Chloride	250	mg/L	56.7	48.7	95.2	8.3	12.2
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.071	0.032 J
Nitrite (as N)	1	mg/l	0.04 JB	0.05 U	0.05 U	0.05	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---		---	---
Sulfate	250	mg/l	**[259]**	**[352]**	**[358]**	169	**[326]**
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.12	0.06 J	0.1
Total Organic Carbon, Filtered	NS	mg/L	4.8	4.9	5.1	2.7	4.5 B
pH	NS	STD u	---	---	---	---	---

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Table 5
Groundwater Quality 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-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	MW-05D - 10/21/2009 MW-5D-10212009 mg/l
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, Filtered	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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Niagara Falls, New York

Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval 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, Filtered	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	---	---	---	---	---	---	---	---	---	---	---

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Alkalinity (As Caco3)	NS	mg/L	362 B	322	24.4 B	322	327 B
Chloride	250	mg/L	182	180	183	217	193
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---
Sulfate	250	mg/l	211	212	193	182	200
Total Sulfides	NS	mg/l	0.1 U	0.071 J	0.1 U	0.16	0.07 J
Total Organic Carbon, Filtered	NS	mg/L	4.5	5.3	3.4	2.6	5.2 B
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
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Table 5
Groundwater Quality 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, Filtered	NS	mg/L	5	7	8	6	2	5.8	14	28	6.5	12	5.4
pH	NS	STD u	7.4	---	---	---	---	---	---	---	---	---	---

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 Quality 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 MW-6S-05191005192010 mg/l	MW-06S - 01/19/2011 MW-6S-01192011 mg/l	MW-06S - 4/20/2011 MW-6S-042011 mg/l	MW-06S - 7/26/2011 MW-6S072611 mg/l	MW-06S - 10/26/2011 MW6S102611 mg/l	MW-06S - 3/20/2012 MW6S032012 mg/l	MW-6S - 8/7/2012 MW6S080712 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-6D-121813 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, Filtered	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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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Quality 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
Alkalinity (As Caco3)	NS	mg/L	257	322 B	405 B	320	379 B
Chloride	250	mg/L	23.8	32.5	30.9	32.3	39.8
Nitrate (as N)	10	mg/L	0.05 U	0.02J	0.021 J	0.14	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---
Sulfate	250	mg/l	162	54.4	203	208	**[287]**
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.08 J	0.1 U
Total Organic Carbon, Filtered	NS	mg/L	4.8	5.3	4.9	3.9	6.3 B
pH	NS	STD u	---	---	---	---	---

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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 Quality 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 MW-6D-05191005192010 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, Filtered	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
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Quality 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, Filtered	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	---	---	---	---	---	---	---	---	---	---	---

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 Quality 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
Alkalinity (As Caco3)	NS	mg/L	281	380	309	435 B	339	329 B
Chloride	250	mg/L	30.4 B	189	199	221	201	180
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.02 J	0.05	0.05 U
Nitrite (as N)	1	mg/l	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	148	262	**[313]**	**[340]**	222	**[265]**
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.19	0.31	0.46	0.58
Total Organic Carbon, Filtered	NS	mg/L	5	3.9	4.8	3.7	3.1	4.5 B
pH	NS	STD u	---	---	---	---	---	---

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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 Quality 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 MW-6DD-05191005192010 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, Filtered	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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H - Sample analyzed beyond the specified holding time
[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Quality 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
Alkalinity (As Caco3)	NS	mg/l	349	390 B	324	311	358	290	286	391 B	208	300 B
Chloride	250	mg/l	155	123	159 B	147	123 B	124	199	**[275]**	66	240
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
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
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	226	232	237	230	218	209	239	**[301]**	**[692]**	238
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
Total Organic Carbon, Filtered	NS	mg/l	2	5.1	5.2	3.6	4.5	4.7	5.4	3.3	4.5	4.3 B
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---

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Data have note been validated

Table 5
Groundwater Quality 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 - 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, Filtered	NS	mg/l	2	2	6	1 U	2	10	11	21	2.7	4.5	2.1
pH	NS	STD u	7.3	---	---	---	---	---	---	---	---	---	---

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Data have note been validated

Table 5
Groundwater Quality 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 MW-7S-05171005172010 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, Filtered	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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Data have note been validated

Table 5
Groundwater Quality 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
Alkalinity (As Caco3)	NS	mg/l	236	178	330	247	219 B
Chloride	250	mg/l	51.4	44.2	61.5	56	35.2
Nitrate (as N)	10	mg/l	0.64	0.41	0.43	1.7	0.67
Nitrite (as N)	1	mg/l	0.022 JB	0.043 JB	0.034 JB	0.05	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---
Sulfate	250	mg/l	69.1	71.5 B	116	134	79.4
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.06 J	0.1 U
Total Organic Carbon, Filtered	NS	mg/l	6	2.3	3.1	6	4 B
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
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Table 5
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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-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, Filtered	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	---	---	---	---	---	---	---	---	---	---

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 Quality 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 MW-7D-05171005172010 mg/l	MW-07D - 01/18/2011 MW-7D-01182011 mg/l	MW-07D - 4/19/2011 MW-7D-041911 mg/l	MW-07D - 7/27/2011 MW-7D072711 mg/l	MW-07D - 10/25/2011 MW7D102511 mg/l	MW-07D - 10/25/2011 X-1 mg/l	MW-07D - 3/21/2012 MW7D032112 mg/l	MW-7D - 8/8/2012 MW7D080812 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
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, Filtered	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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H - Sample analyzed beyond the specified holding time
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Data have note been validated

Table 5
Groundwater Quality 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
Alkalinity (As Caco3)	NS	mg/l	257	194	250 B	359 B	183	235 B
Chloride	250	mg/l	40.6 B	33.1	35.2	75.1	19.2	24.7
Nitrate (as N)	10	mg/l	0.05 U	0.64	0.49	0.027 J	0.61	0.57
Nitrite (as N)	1	mg/l	0.05 U	0.022 JB	0.042 JB	0.05 U	0.05	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---
Sulfate	250	mg/l	69.4	35.6	57.5	145	58.8	60.6
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.1 U	0.07 J	0.1 U
Total Organic Carbon, Filtered	NS	mg/l	3.6	5	4.9	4.2	2.9	4.1 B
pH	NS	STD u	---	---	---	---	---	---

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Table 5
Groundwater Quality 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-07DD - 11/16/2005 MW-7DD_11162005 mg/l	MW-07DD - 11/15/2006 MW-7DD(2)_11152006 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 MW-7DD-05171005172010 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 H	0.1 U	0.1 U
Total Organic Carbon, Filtered	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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Table 5
Groundwater Quality 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-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, Filtered	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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Table 5
Groundwater Quality 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-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-08S - 10/20/2009 MW-8S-10202009 mg/l
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, Filtered	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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Table 5
Groundwater Quality 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-08S - 05/18/2010 MW-8S-05181005182010 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, Filtered	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		---	---	---	---	---	---	---	---	---	---

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Table 5
Groundwater Quality 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
Alkalinity (As Caco3)	NS	mg/l	213	147	312	374	239	256 B	170	205 B
Chloride	250	mg/l	11.4 B	10.3	6	**[369]**	**[362]**	11.4 B	5.4	6.5
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
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
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	76.4	38.6	42.8	**[258]**	241	81.5	60	61.7
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
Total Organic Carbon, Filtered	NS	mg/l	2.6	1.9	2.8	5.6	3	2.7	1.4	2.6 B
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-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, Filtered	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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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 MW-8D-05181005182010 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, Filtered	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	---	---	---	---	---	---	---	---	---	---	---

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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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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
Alkalinity (As Caco3)	NS	mg/l	266	281	337	387 B	387 B	323 B	292 B
Chloride	250	mg/l	62.4	59.3	143	234	230	132	369
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
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
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---
Sulfate	250	mg/l	131	132	243	**[268]**	**[265]**	184 B	226
Total Sulfides	NS	mg/l	0.15	0.11	0.18	0.1 U	0.1 U	1	0.13
Total Organic Carbon, Filtered	NS	mg/l	4.5	4.5	4.5	3.7	3.6	3.3	3.9 B
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 Quality 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 MW-08DD_WG_111808 mg/l	MW-08DD 10/20/2009 MW-8DD-10202009 mg/l	MW-08DD 05/18/2010 MW-8DD-05181005182010 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, Filtered	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:
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
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[ ] - Exceeds NYS Class GA Ground Water Quality Standard
Data have note been validated

Table 5
Groundwater Quality 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
Alkalinity (As Caco3)	NS	mg/l	286	263	283	255 B	300	299	293	351 B	259 B	247 B
Chloride	250	mg/l	101	133 B	124 B	72.5 B	79.7 B	90.2	126	166	55.5	110
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
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
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	**[1040]**	**[1160]**	**[1130]**	**[320]**	**[1040]**	**[616]**	**[1010]**	**[1080]**	138 B	**[1050]**
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
Total Organic Carbon, Filtered	NS	mg/l	1.3	2.9	6.7	5.3	4.9	5.2	4.3	3.4	2.6	4.1 B
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 Quality 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, Filtered	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 Quality 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 MW-10S-05181005182010 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, Filtered	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		---	---	---	---	---	---	---	---	---	---

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 Quality 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
Alkalinity (As Caco3)	NS	mg/l	276	275	394 B	192	365 B
Chloride	250	mg/l	125	360	205	115	153
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.022 J	0.05	0.05 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---
Sulfate	250	mg/l	152	239	**[338]**	91.9 B	**[350]**
Total Sulfides	NS	mg/l	0.1 U	0.08 J	0.1 U	0.13	0.08 J
Total Organic Carbon, Filtered	NS	mg/l	4.8	3.1	3.8	4.2	4.6 B
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 Quality 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, Filtered	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:
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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 Quality 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 MW-10D-05181005182010 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, Filtered	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:
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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 Quality 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
Alkalinity (As Caco3)	NS	mg/l	308	331	308	272	339 B	282	259 B
Chloride	250	mg/l	128 B	128 B	**[290]**	**[373]**	**[412]**	**[354]**	**[368]**
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
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
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---
Sulfate	250	mg/l	216	216	241	233	**[257]**	238	**[257]**
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
Total Organic Carbon, Filtered	NS	mg/l	4.3	4	4	3	2.9	2.5	3.8 B
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 6
Groundwater Quality 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 Quality 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 Quality 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-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
Ethane	NS		0.0002 U	.0000062 J	0.2 U	0.000033 J	0.000023 J	0.0002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.0013 U
Ethylene	NS		0.0002 U	.000017 J	0.000018 J	0.000016 J	0.0000085 J	0.0002 U	0.002 UJ	0.002 U	0.002 U	0.002 U	0.0013 U
Methane	NS		0.0055	0.0039	0.000088 J	0.0096 B	0.0069 B	0.00074	0.02	0.02	0.02	0.03	0.029
Hydrogen*	NS		0.67	1.2	1.3	---	---	---	---	---	---	---	---

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

Table 6
Groundwater Quality 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 - 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	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
Ethane	NS		0.0044 U	0.0013 U	0.0013 U	0.00053 U	0.00053 U	0.00053 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U
Ethylene	NS		0.0044 U	0.0013 U	0.0013 U	0.0005 U	0.0005 U	0.0005 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U
Methane	NS		0.047	0.023	0.049	0.014	0.011	0.0057	0.0045	0.013	0.0067	0.01 B	0.0055 B
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 Quality 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 - 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	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
Ethane	NS		0.00057 U	0.00057 U	0.00057 U	0.00056 U	0.00054 U	.000073 J	0.000077 J	0.00011 J	0.00006 J	0.00012 J	0.000074 J
Ethylene	NS		0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00051 U	0.0002 U	0.000019 U	0.00025 J	0.0000077 J	0.00003 J	0.000015 J
Methane	NS		0.012	0.0099	0.013	0.014	0.028	0.044	0.033	0.032	0.045	0.025	0.012 B
Hydrogen*	NS		---	---	---	---	---	0.66	0.57 J	0.57 J	5.3	0.71	---

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

Table 6
Groundwater Quality 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 - 9/12/2017 MW1D091217 mg/L	X-1 - 9/12/2017 MW1D091217 mg/L
Ethane	NS		0.0001 J	0.00014 J
Ethylene	NS		0.0002 U	0.000043 J
Methane	NS		0.024	0.21
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 Quality 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
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Table 6
Groundwater Quality 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
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Table 6
Groundwater Quality 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-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
Ethane	NS		0.00026 J	0.000049 J	---	0.000027 J	0.00006 J	0.02 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U
Ethylene	NS		0.0002 U	0.0000096 J	---	0.0002 U	0.0002 U	0.02 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U
Methane	NS		0.056	0.037	---	0.03	0.05	0.06	0.02	0.012 U	0.04	0.041	0.028
Hydrogen*	NS		---	---	---	---	.---	---	---	---	---	---	---

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Table 6
Groundwater Quality 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 - 11/16/2005 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-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
Ethane	NS		0.0013 U	0.0013 U	0.00053 U	0.00052 U	0.00053 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U
Ethylene	NS		0.0013 U	0.0013 U	0.0005 U	0.00049 U	0.0005 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U
Methane	NS		0.032	0.016	0.0097	0.029	0.0091	0.0094	0.0067	0.0084	0.0079 B	0.0049 B	0.02
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

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Table 6
Groundwater Quality 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 - 8/9/2012 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	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
Ethane	NS		0.00057 U	0.00057 U	0.00056 U	0.00022	0.00013 J	0.00029	0.00023	0.00023	0.0002 J	0.00018 J
Ethylene	NS		0.00054 U	0.00054 U	0.00053 U	.00002 J	0.000019 J	0.00021 J	.0002 U	0.000030 J	0.000011 J	0.0002 U
Methane	NS		0.0096	0.011	0.023	0.031	0.044	0.036	0.027	0.036	0.038	0.025
Hydrogen*	NS		---	---	---	0.77	0.59 J	0.64	1.4	0.82	---	---

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Table 6
Groundwater Quality 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		---	---	---	---	---	---	---	---	---	---	---

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
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Table 6
Groundwater Quality 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

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 Quality 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-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
Ethane	NS		0.0001 J	0.00034	0.0011	0.0000068 J	0.00036	0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U
Ethylene	NS		0.00027	0.0011	0.0021	0.0000071 J	0.000089 J	0.004	0.004	0.002 U	0.002 U	0.0017	0.0022 U
Methane	NS		0.037	0.16	0.032	0.000072 JB	0.038	0.04	0.05	0.03	0.02	0.024	0.057
Hydrogen*	NS		0.93	1.2	---	---	---	---	---	---	---	---	---

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
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Table 6
Groundwater Quality 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 - 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	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
Ethane	NS		0.0013 U	0.0013 U	0.00053 U	0.00052 U	0.00053 U	0.00057 U	0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U
Ethylene	NS		0.0013 U	0.0013 U	0.0005 U	0.00049 U	0.0005 U	0.00054 U	0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U
Methane	NS		0.051	0.033	0.013	0.049	0.0083	0.012	0.013	0.0092	0.011 B	0.015 B	0.024
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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Data have note been validated
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Table 6
Groundwater Quality 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 - 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	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
Ethane	NS		0.00057 U	0.00057 U	0.00057 U	0.000073 J	0.000073 J	0.00085 J	0.000066 J	0.00069 J	0.000058 J	0.000067 J
Ethylene	NS		0.00054 U	0.00054 U	0.00054 U	0.000033 J	0.000023 J	0.0002 U	0.000021 J	0.00026 J	0.000015 J	0.0002 U
Methane	NS		0.012	0.014	0.038	0.052	0.059	0.059	0.055	0.062	0.048 B	0.048
Hydrogen*	NS		---	---	---	1.1	0.87	0.73	1.4	0.91	---	---

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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Data have note been validated
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Table 6
Groundwater Quality 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		---	---	---	---	---	---	---	---		---	---

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

Table 6
Groundwater Quality 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

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Table 6
Groundwater Quality 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-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
Ethane	NS		0.00012 J	.0000081 J	0.000033 J	0.000088 J	0.000041 J	0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U
Ethylene	NS		0.00038	.0000099 J	0.000067 J	0.00043	0.000061 J	0.002 U	0.001 J	0.002 U	0.002 U	0.0013 U	0.0022 U
Methane	NS		0.07	0.0046	0.036	0.042	0.038	0.05	0.03	0.05	0.04	0.027	0.029
Hydrogen*	NS		0.85	2.4	---	---	---	---	---	---	---	---	---

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
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Table 6
Groundwater Quality 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 - 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	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
Ethane	NS		0.0013 U	0.0013 U	0.00052 U	0.00052 U	0.00052 U	0.00057 U	0.00057 U	0.00061	0.00057 U	0.00057 U	0.00098
Ethylene	NS		0.0015	0.0013 U	0.00081	0.00048 J	0.00075	0.0004 J	0.0009	0.00053 U	0.00056	0.00067	0.00054 U
Methane	NS		0.065	0.015	0.039	0.016	0.028	0.014	0.03	0.014	0.023 B	0.017 B	0.029
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

NOTES:
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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
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Table 6
Groundwater Quality 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 - 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	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
Ethane	NS		0.0015	0.00057 U	0.00057 U	0.0018	0.0018	0.00024	0.00026	0.00017 J	.00011 J	0.00012 J	0.00011 J	0.00013 J
Ethylene	NS		0.00054 U	0.00054 U	0.00079	0.0011 U	0.0011U	0.003	0.0037	0.0002 U	.000055 J	0.000046 J	0.000029 J	0.000029 J
Methane	NS		0.047	0.013	0.021	0.06	0.061	0.085	0.1	0.074	0.068	0.098	0.11 B	0.21
Hydrogen*	NS		---	---	---	---	---	1.4	0.91	0.85	0.99	0.74	---	---

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Data have note been validated
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Table 6
Groundwater Quality 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		---	---	---	---	---	---	---	---	---	---	---

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Table 6
Groundwater Quality 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
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
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
Methane	NS		0.07	0.15	0.09	0.19	0.35	0.031	0.14	0.099	0.0026 B	0.19
Hydrogen*	NS		---	---	---	0.93	0.97	0.7	1.1	0.92	---	---

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Table 6
Groundwater Quality 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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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Table 6
Groundwater Quality 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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Table 6
Groundwater Quality 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-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
Ethane	NS		0.0002 U	.0002	0.0000089 J	0.0002 U	0.0002 U	0.02 U	0.02 U	0.01 U	0.02 U	0.0052 U	0.0044 U
Ethylene	NS		0.0002 U	.000015 J	0.000011 J	0.0002 U	0.0002 U	0.02 U	0.0036 J	0.01 U	0.02 U	0.0052 U	0.0044 U
Methane	NS		0.0071	0.0033	0.19	0.00013 JB	0.021	0.1	0.1	0.08	0.1	0.11	0.13
Hydrogen*	NS		0.69	2.1	1.2	---	---	---	---	---	---	---	---

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Table 6
Groundwater Quality 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 - 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	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
Ethane	NS		0.13 U	0.13 U	0.00052 U	0.00052 U	0.00052 U	0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U
Ethylene	NS		0.13 U	0.13 U	0.00049 U	0.00049 U	0.00049 U	0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U
Methane	NS		0.21	0.13	0.04	0.014	0.014	0.0057	0.062	0.00061 U	0.054 B	0.00046 J	0.00061 U
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

NOTES:
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Table 6
Groundwater Quality 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 - 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	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
Ethane	NS		0.00057 U	0.0011 U	0.00057 U	0.028 U	0.0002 U	0.0002 U	0.000018 U	.0002 U	0.000063 J	0.0002 U	0.0002 U
Ethylene	NS		0.00054 U	0.0011 U	0.00054 U	0.027 U	0.0002 U	0.0002 U	0.000019 U	.0002 U	0.000031 J	0.0002 U	0.0002 U
Methane	NS		0.0082	0.14	0.00061 U	0.34	0.48	0.048	0.000019 U	.00057	0.83	0.000077 JB	0.00053
Hydrogen*	NS		---	---	---	---	1	0.49 J	1.9	1.5	1.4	---	---

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
* - Units in nM

Table 6
Groundwater Quality 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)_11152006 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	0.0049	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 U	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		---	---	---	---	---	---	---	---	---	---	---

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
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Table 6
Groundwater Quality 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
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
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
Methane	NS		0.55	0.53	0.28	0.63	1.4	0.93	1.4	0.67	1	0.08 B	0.21
Hydrogen*	NS		---	---	---	---	0.69	0.46 J	0.68	1.7	0.83	---	---

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
* - Units in nM

Table 6
Groundwater Quality 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		---	---	---	---	---	---	---	---	---	---	---

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 Quality 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	---

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 Quality 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-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-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
Ethane	NS		0.0002 U	0.000018 U	.0000061 J	0.000012 J	0.0002 U	0.0002 U	0.02 U	0.01 U	0.002 U	0.02 U	0.0052 U
Ethylene	NS		0.0002 U	0.000019 U	.0002 U	0.00002 J	0.0002 U	0.0002 U	0.02 U	0.0009 J	0.002 U	0.02 U	0.0052 U
Methane	NS		0.0033	0.00028	0.00057	0.0017	0.00028 JB	0.0025	0.1	0.11	0.06	0.1	0.068
Hydrogen*	NS		0.66	0.76	1.9	0.87	---	---	---	---	---	---	---

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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 Quality 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 - 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	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
Ethane	NS		0.0022 U	0.026 U	0.0013 U	0.00053 U	0.0015	0.00052 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U
Ethylene	NS		0.0022 U	0.026 U	0.0013 U	0.0005 U	0.0017	0.00049 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U
Methane	NS		0.029	0.13	0.017	0.054	0.055	0.041	0.014	0.1	0.031	0.039 B	0.045 B
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
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Table 6
Groundwater Quality 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 - 3/21/2012 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	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
Ethane	NS		0.00057 U	0.00057 U	0.0028 U	0.0028 U	0.00023	0.00021	0.0002	0.00022	0.00033	0.00033	0.00036
Ethylene	NS		0.00054 U	0.00054 U	0.0027 U	0.0027 U	0.00016 J	0.00011 J	0.00018 J	0.000055 J	.00014 J	0.00012 J	0.00012 J
Methane	NS		0.046	0.064	0.16	0.11	0.18	0.37	0.51	0.48	0.13	0.092	0.1
Hydrogen*	NS		---	---	---	---	1.3	0.6	0.73	---	2	0.8	---

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Table 6
Groundwater Quality 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 - 4/13/2017 MW8D041317 mg/L	MW-8D - 9/13/2017 MW8D091317 mg/L	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		0.00024	0.00026	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		0.000032 J	0.0002 U	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		0.49 d,B	0.17	0.25	0.086	0.13	0.067	0.054	0.053	0.031	0.00061 U	0.027 B
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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* - Units in nM

Table 6
Groundwater Quality 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	MW-8DD - 9/13/2017 MW8DD091317 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	0.0019
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	0.0002 U
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	0.36
Hydrogen*	NS		---	---	---	---	---	0.73	1.2	0.61	1.7	1.1	---	---

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Data have note been validated
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* - Units in nM

Table 6
Groundwater Quality 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		---	---	---	---	---	---	---	---	---	---	---

NOTES:
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Table 6
Groundwater Quality 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

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 Quality 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-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
Ethane	NS		0.000095 J	.000097 J	0.000093 J	0.000048 J	0.00013 J	0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U
Ethylene	NS		0.000019 U	0.0000097	0.000074 J	0.0002 U	0.00014 J	0.002 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U
Methane	NS		0.032	0.041	0.025	0.031 B	0.034	0.006	0.03	0.03	0.007	0.015	0.026
Hydrogen*	NS		0.73	1.2	0.95	---	---	---	---	---	---	---	---

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 Quality 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 - 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-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
Ethane	NS		0.0013 U	0.0013 U	0.00052 U	0.00052 U	0.00053 U	0.00057 U	0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U
Ethylene	NS		0.0013 U	0.0013 U	0.00049 U	0.00049 U	0.0005 U	0.00054 U	0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U
Methane	NS		0.022	0.012	0.0039	0.0045	0.0068	0.0082	0.012	0.0058	0.0053 B	0.011 B	0.0054 B
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 Quality 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 - 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	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	MW-10D - 9/12/2017 MW10D091217 mg/L
Ethane	NS		0.00057 U	0.00057 U	0.00057 U	0.00056 U	.000076 J	.000073 J	.000063 J	0.000098 J	.00010 J	0.000094 J	0.000062 J	0.00044
Ethylene	NS		0.00054 U	0.00054 U	0.00054 U	0.00053 U	0.0002 U	.000043 J	0.0002 U	0.000019 U	.000014 J	0.0000095 J	0.0000073 J	0.0002 U
Methane	NS		0.0042	0.014	0.032	0.022	0.057	0.04	0.033	0.051	0.042	0.029	0.11 B	0.18
Hydrogen*	NS		---	---	---	---	0.98	0.62	---	1.3	1.7	0.96	---	---

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
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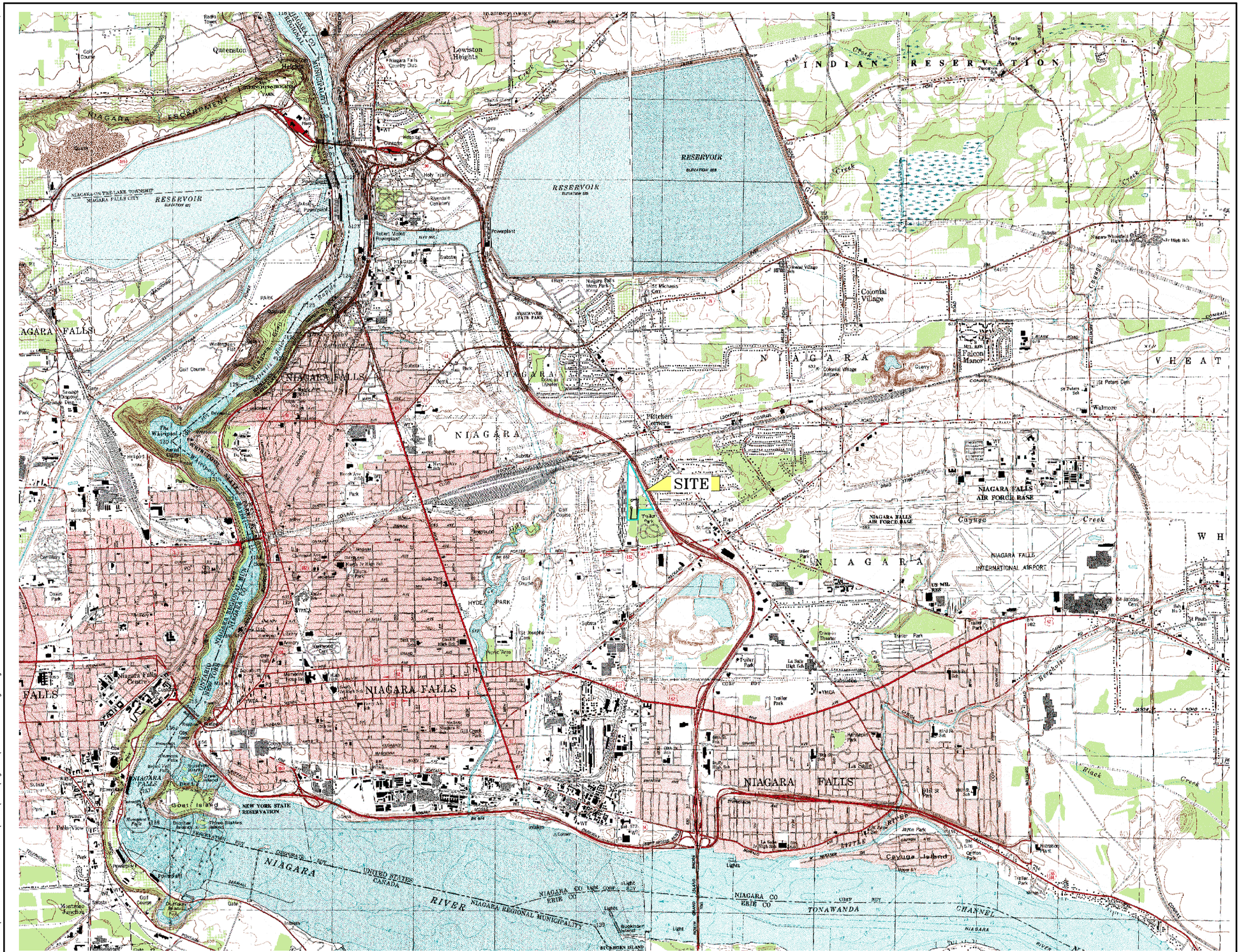
Figures

FIGURE 1



ADAPTED FROM: TONAWANDA WEST, RANSOMVILLE, NIAGARA FALLS & LEWISTON U.S.G.S. 7.5 MINUTE QUADRANGLES OF NEW YORK.

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SITE LOCATION
MAP

4000 0 4000

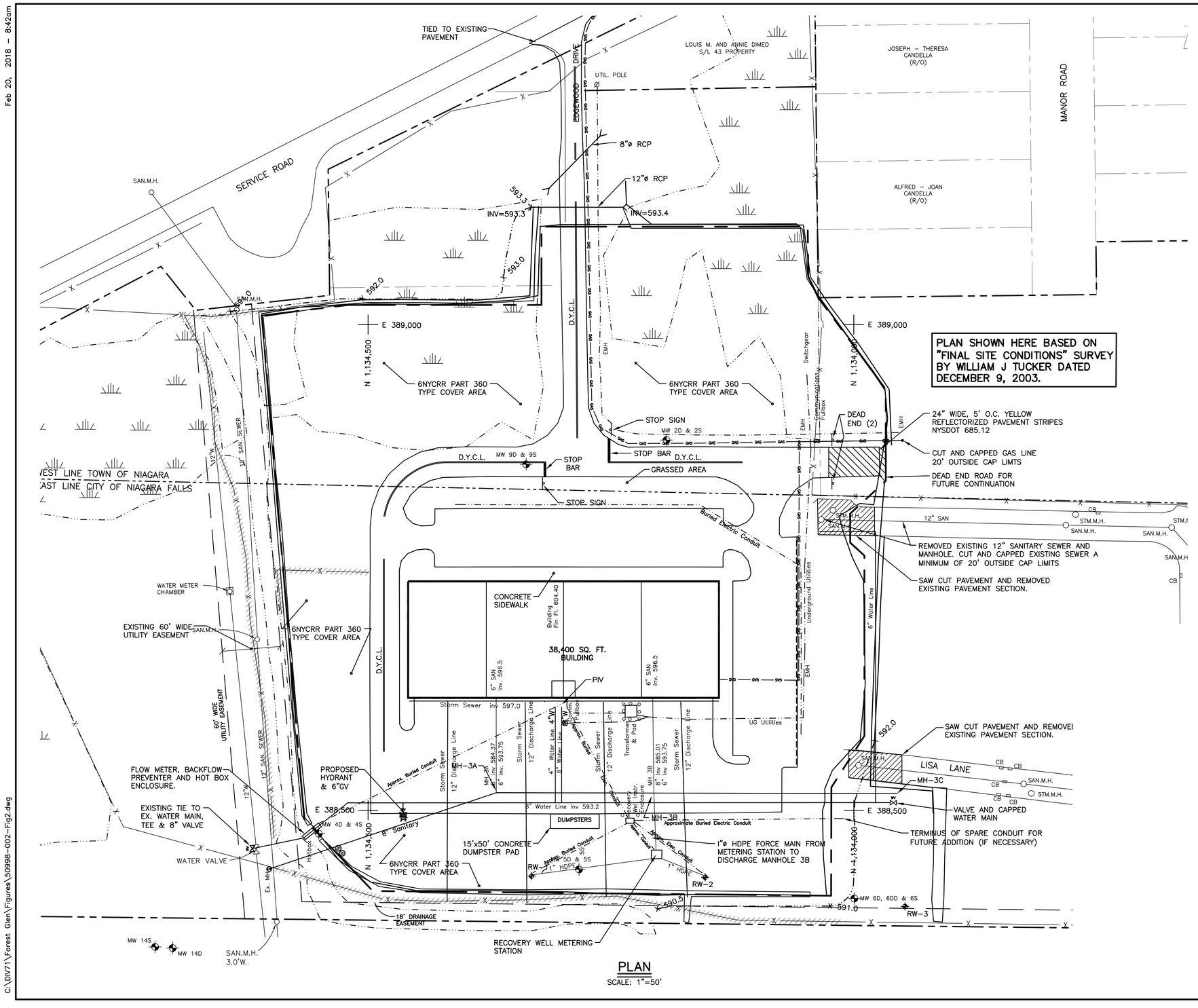
FILE NO. 5540.50998.001
MARCH 2014

O'BRIEN & GERE
ENGINEERS INC.

Mar 07, 2014 - 1:30pm

I:\Goodyear.5540\50998.Forest-Glen-O-M\Docs\DWG\Figures\50998-001-Fig1.dwg

FIGURE 2



PLAN
SCALE: 1"=50'

LEGEND

- EXISTING FENCE
- UNDERGROUND UTILITY SERVICE (EMH)
- UNDERGROUND GAS (GAS)
- EXISTING SANITARY SEWER (12" SAN)
- WATER SERVICE (8"W)
- GAS LINE (GAS)
- ENGINEERED CAP LIMITS
- PROPERTY LINE
- LIMITS OF EASEMENT
- EXISTING MONITORING WELL (MW 5D & 5S)
- EXISTING WETLAND (FORMER WITHIN CAP LIMITS)
- ENDPOINTS OF FENCE REMOVED (B)
- RECOVERY WELL

FOREST GLEN SUPERFUND SITE NIAGARA COUNTY, NEW YORK

SITE PLAN

1"=50' 50 0 50 100

FILE NO. 5540.50998.002
FEBRUARY 2018

O'BRIEN & GERE ENGINEERS INC.

Feb 20, 2018 - 8:42am

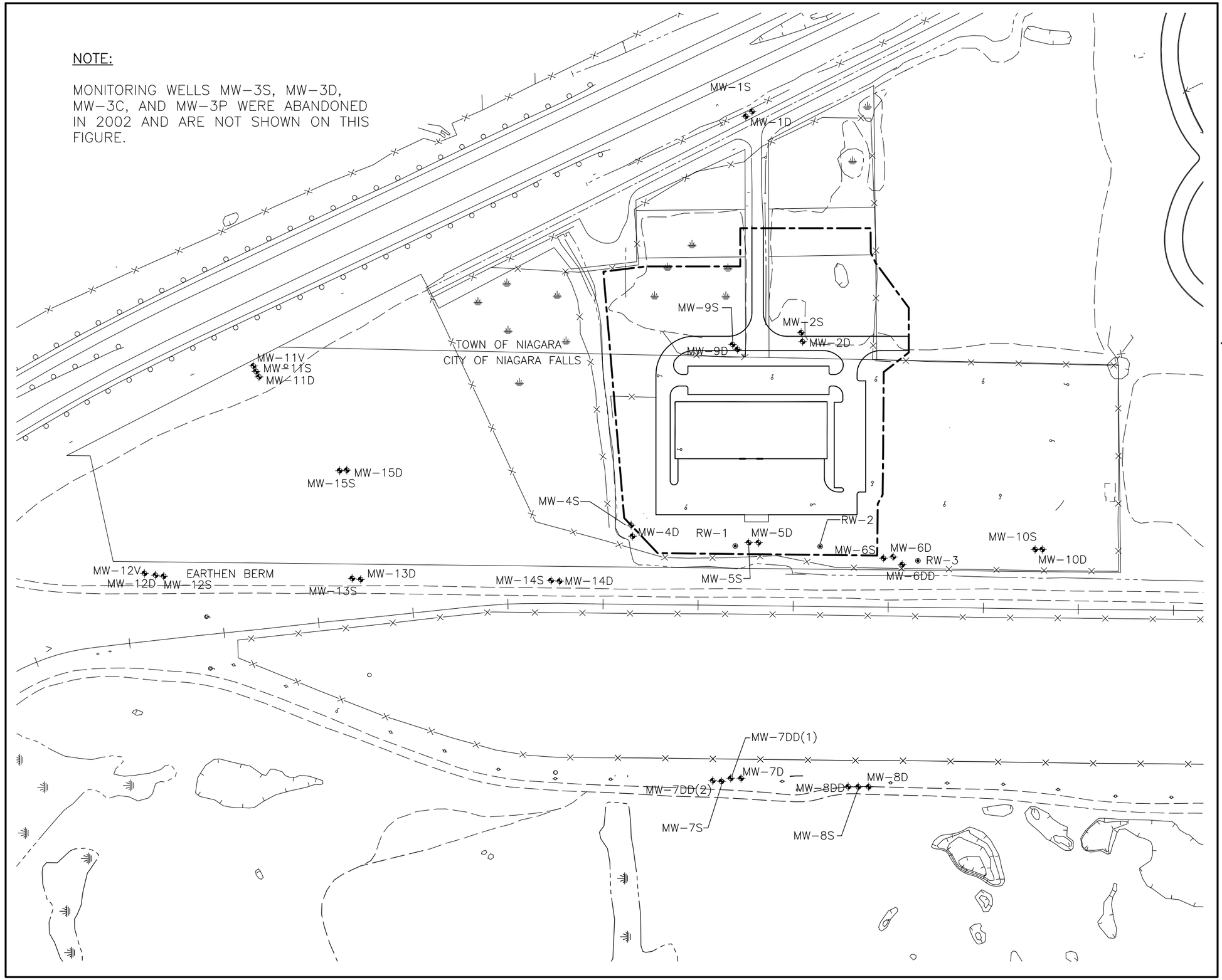
C:\DV71\Forest Glen\Figures\50998-002-Fig2.dwg

Feb 20, 2018 - 8:44am

FIGURE 3

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

MONITORING WELL LOCATIONS

200 0 200

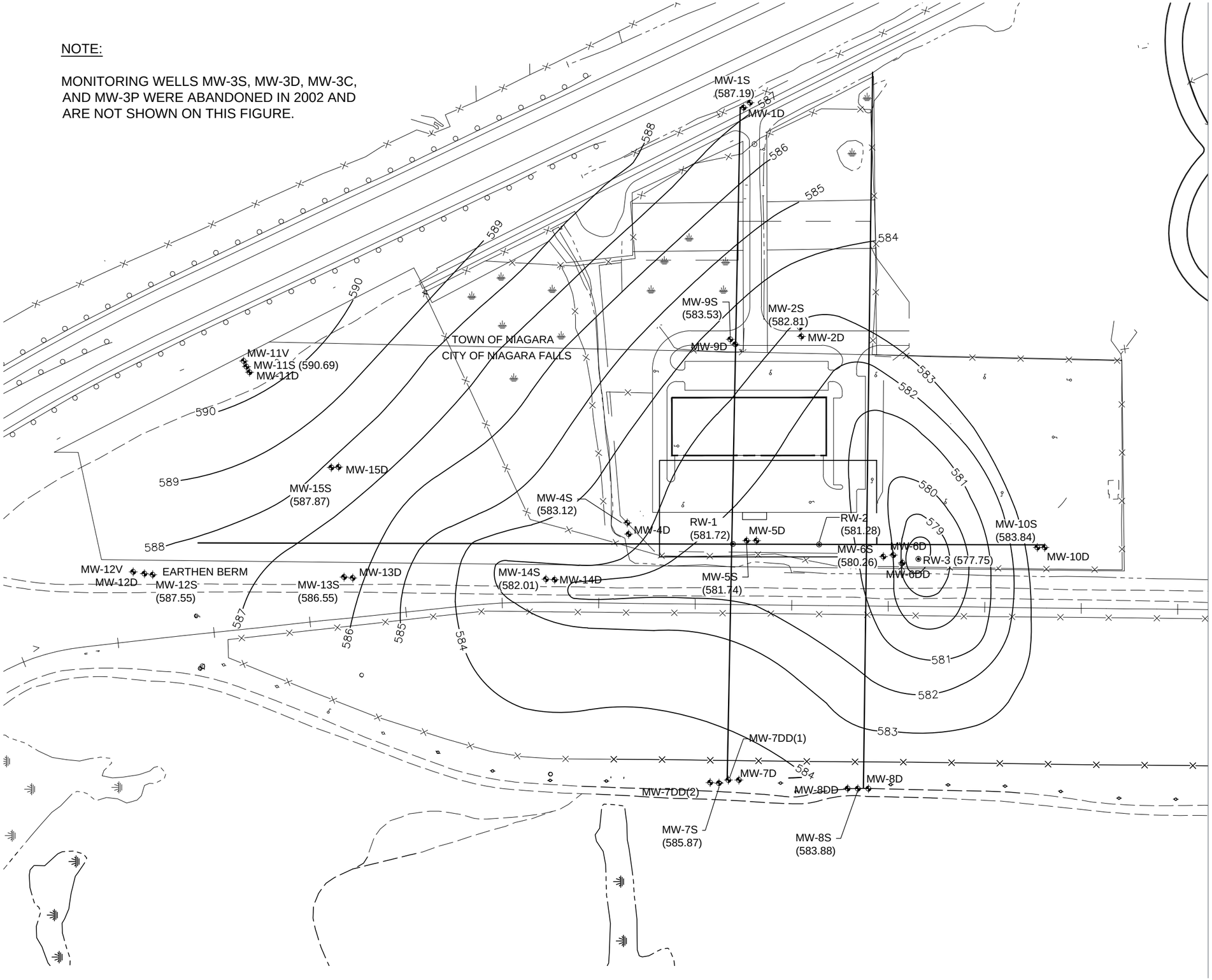
FILE NO. 5540.50998.003
FEBRUARY 2018

O'BRIEN & GERE
ENGINEERS INC.

C:\DIV71\Forest Glen\Figures\50998-003-Fig3.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
- 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 (4/10/17)

1"=200'

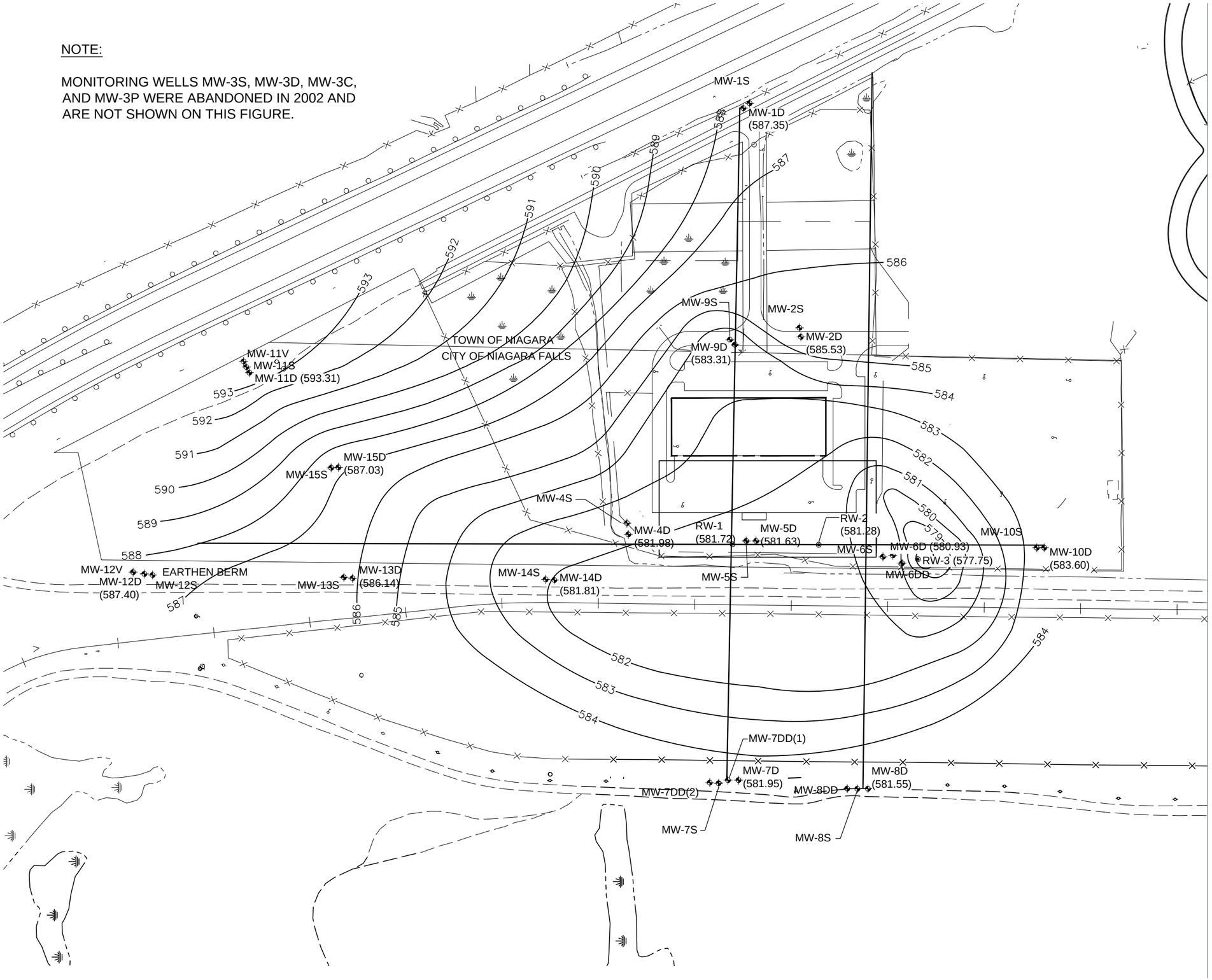
200 0 200

FILE NO. 5540.62547-021
APRIL 2017

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

DEEP BEDROCK GROUND WATER ELEVATION CONTOURS (4/10/17)

1"=200'

200 0 200

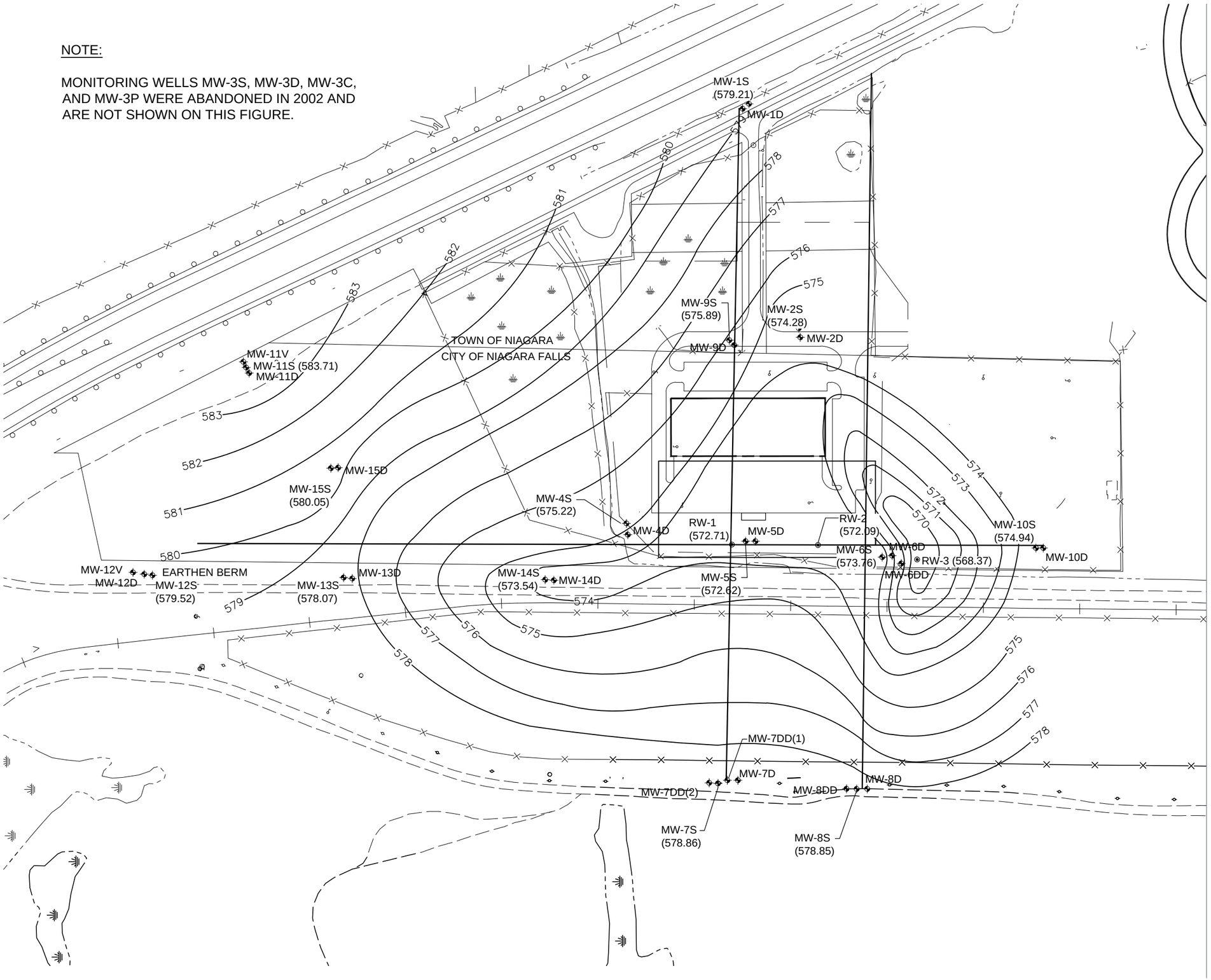
FILE NO. 5540.62547-022

APRIL 2017

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 (6/26/17)

1"=200'

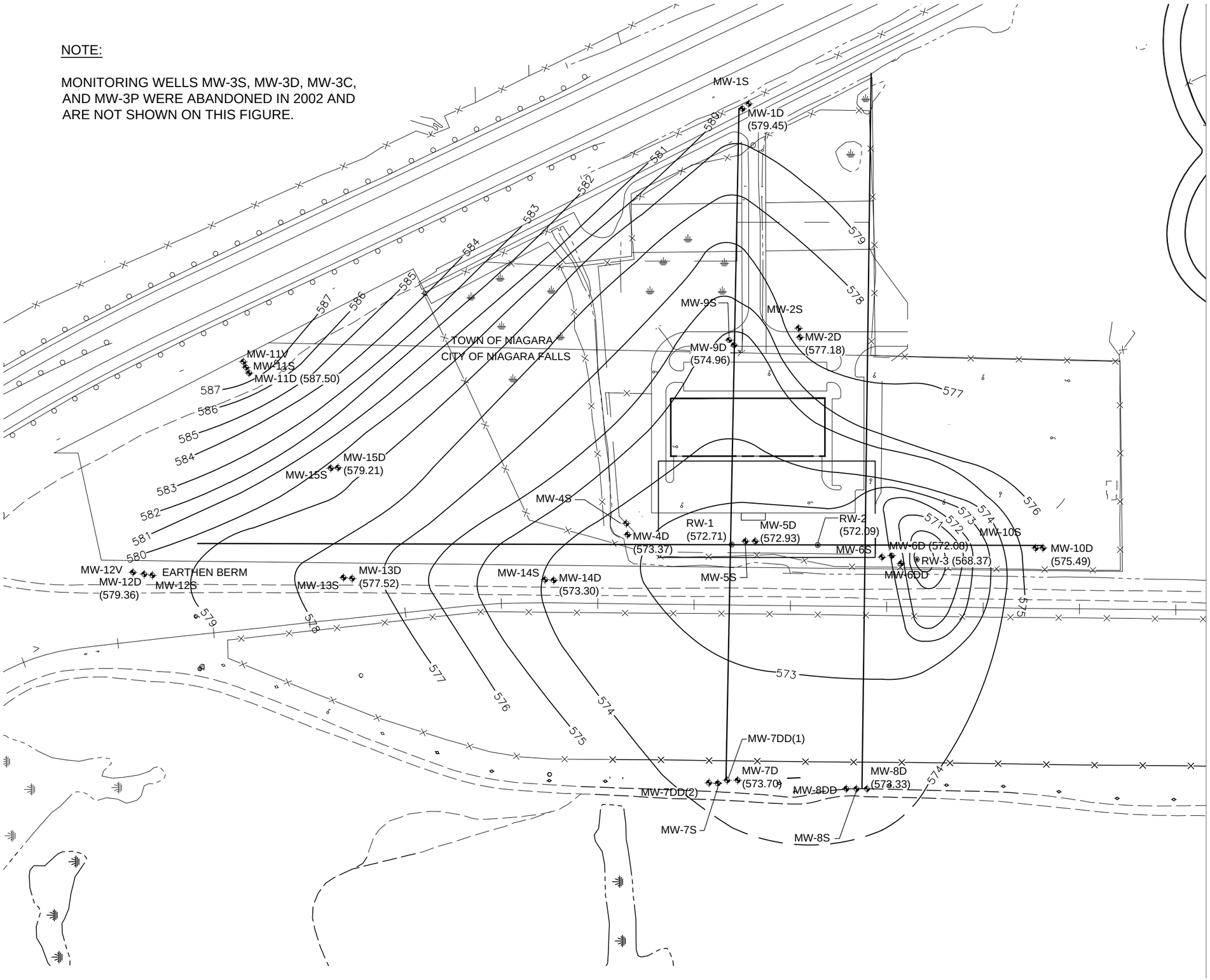
200 0 200

FILE NO. 5540.62547-023
AUGUST 2017

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

DEEP BEDROCK GROUND WATER ELEVATION CONTOURS (6/26/17)

1"=200'

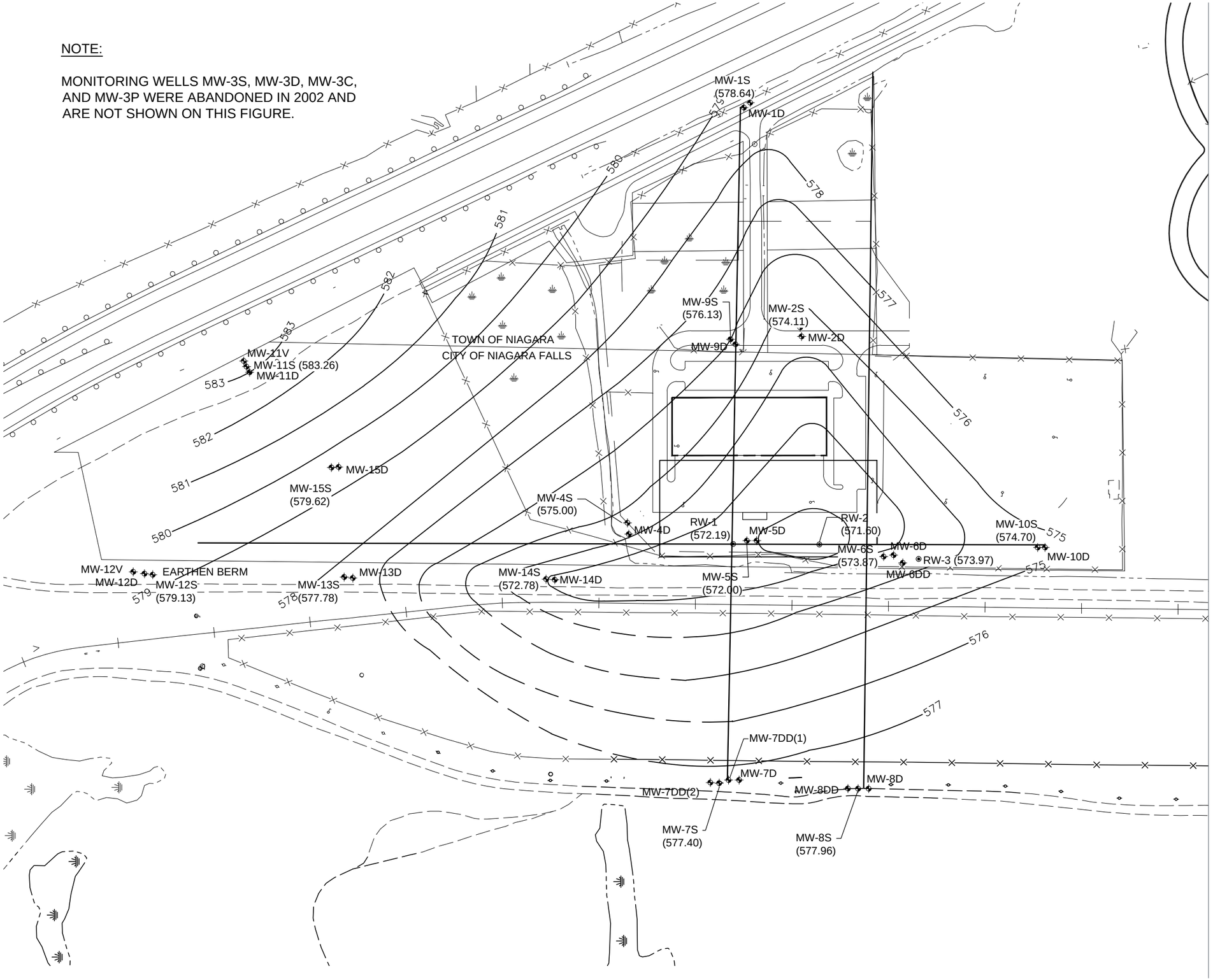
200 0 200

FILE NO. 5540.62547-024
AUGUST 2017

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
- 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 (9/11/17)

1"=200'

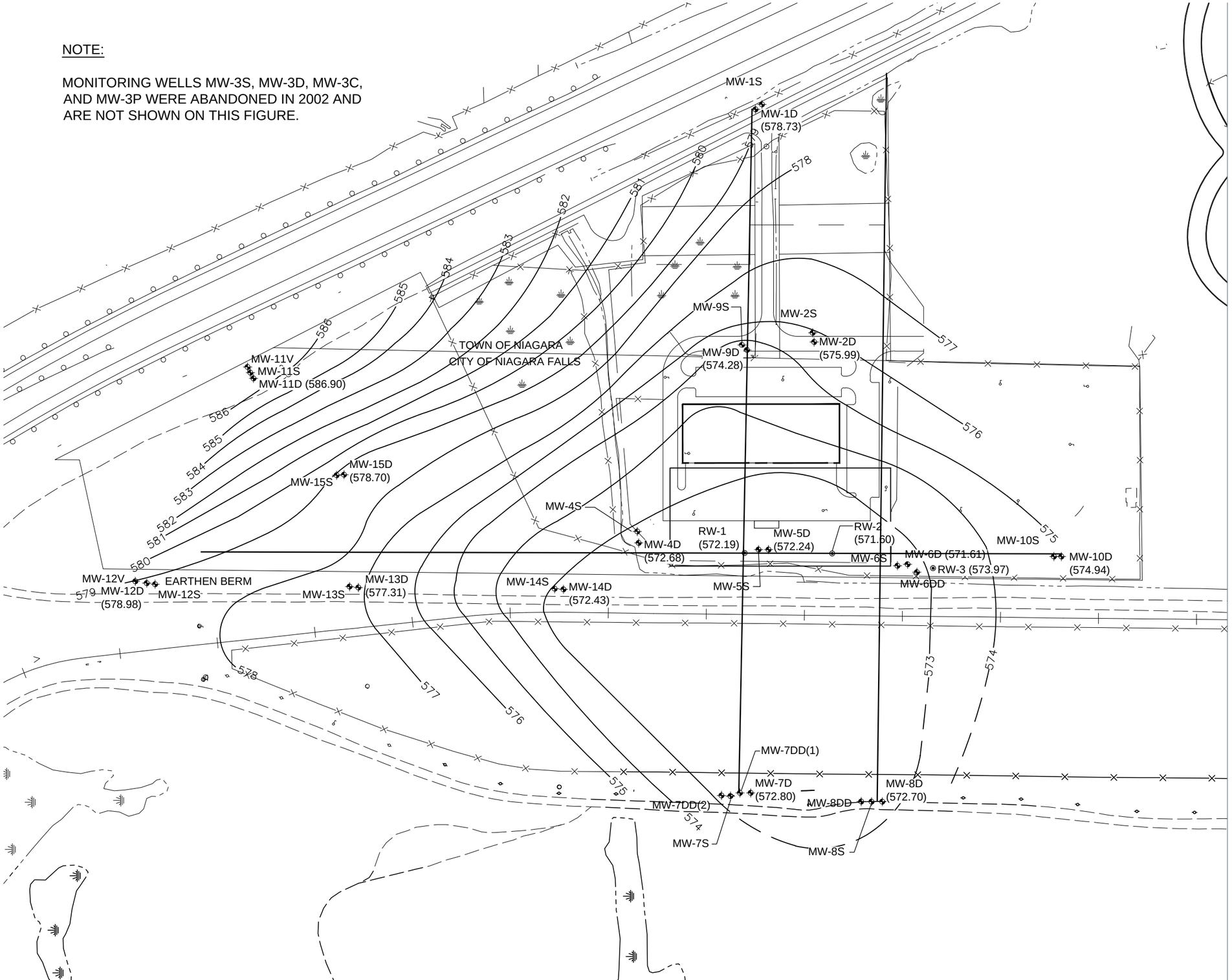
200 0 200

FILE NO. 5540.62547-025
SEPTEMBER 2017

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
- 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

DEEP BEDROCK GROUND WATER ELEVATION CONTOURS (9/11/17)

1"=200'

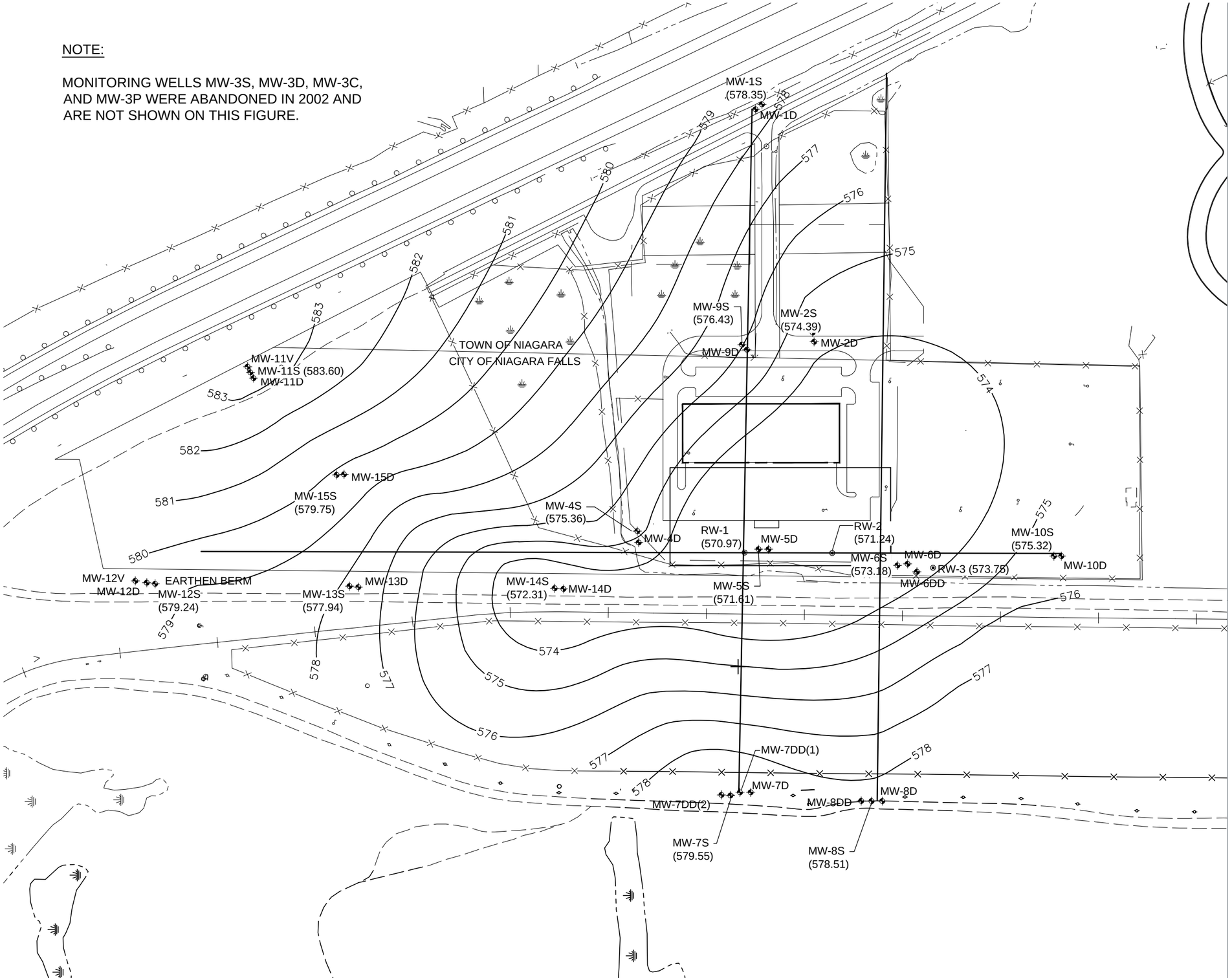
200 0 200

FILE NO. 5540.62547-026
SEPTEMBER 2017

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 (12/19/17)

1"=200'

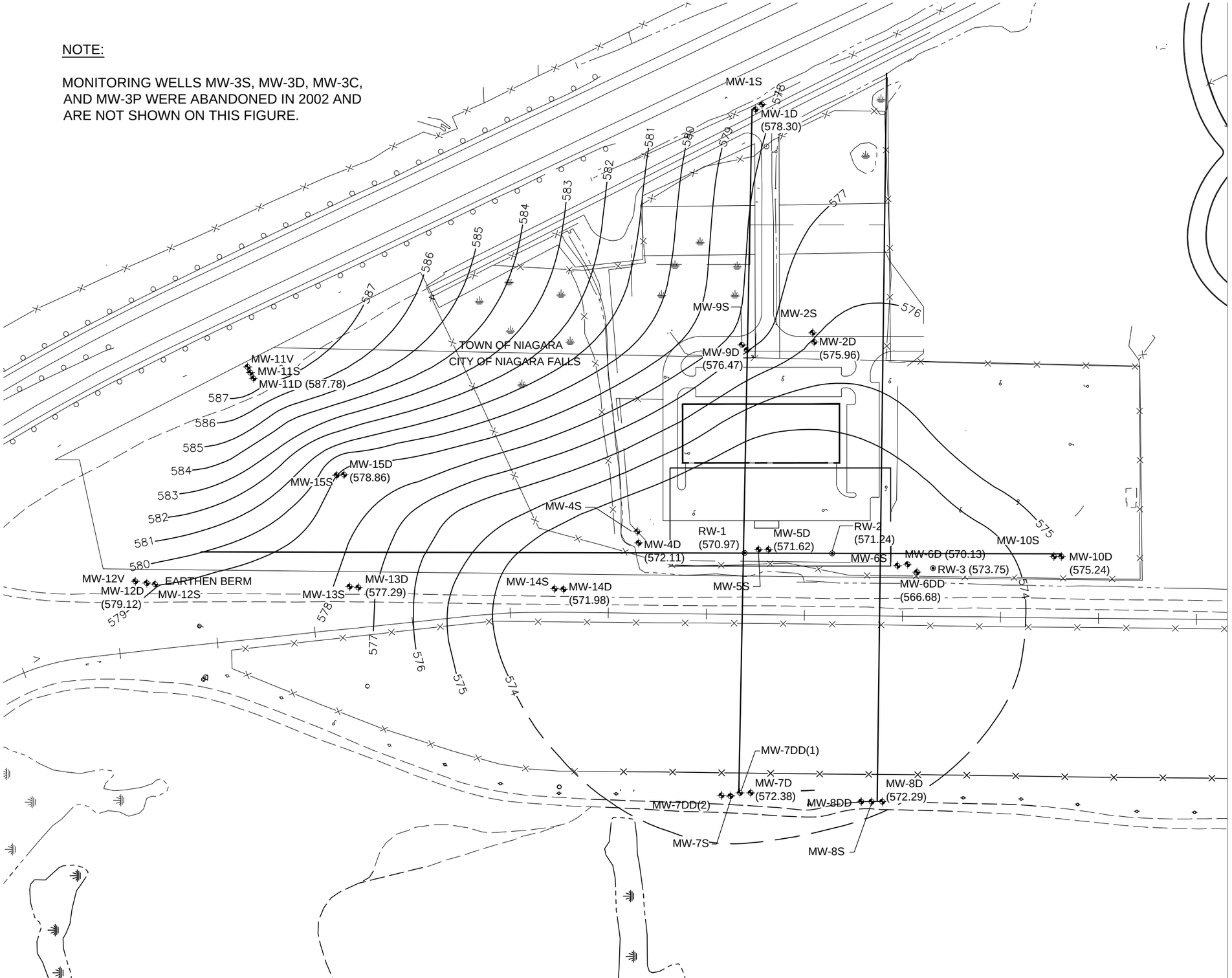
200 0 200

FILE NO. 5540.65610-001
FEBRUARY 2018

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
- 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

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

1"=200'

200 0 200

FILE NO. 5540.65610-002
FEBRUARY 2018

O'BRIEN & GERE ENGINEERS, INC.

2/7/2018 3:17 PM

I:\Goodyear.5540\65610.Forest-Glen-201\Docs\DWG\Sheets\65610-002-FIG2.dwg

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-7S
(584.83)
MW-8S
(582.97)
MW-8DD
MW-8D

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

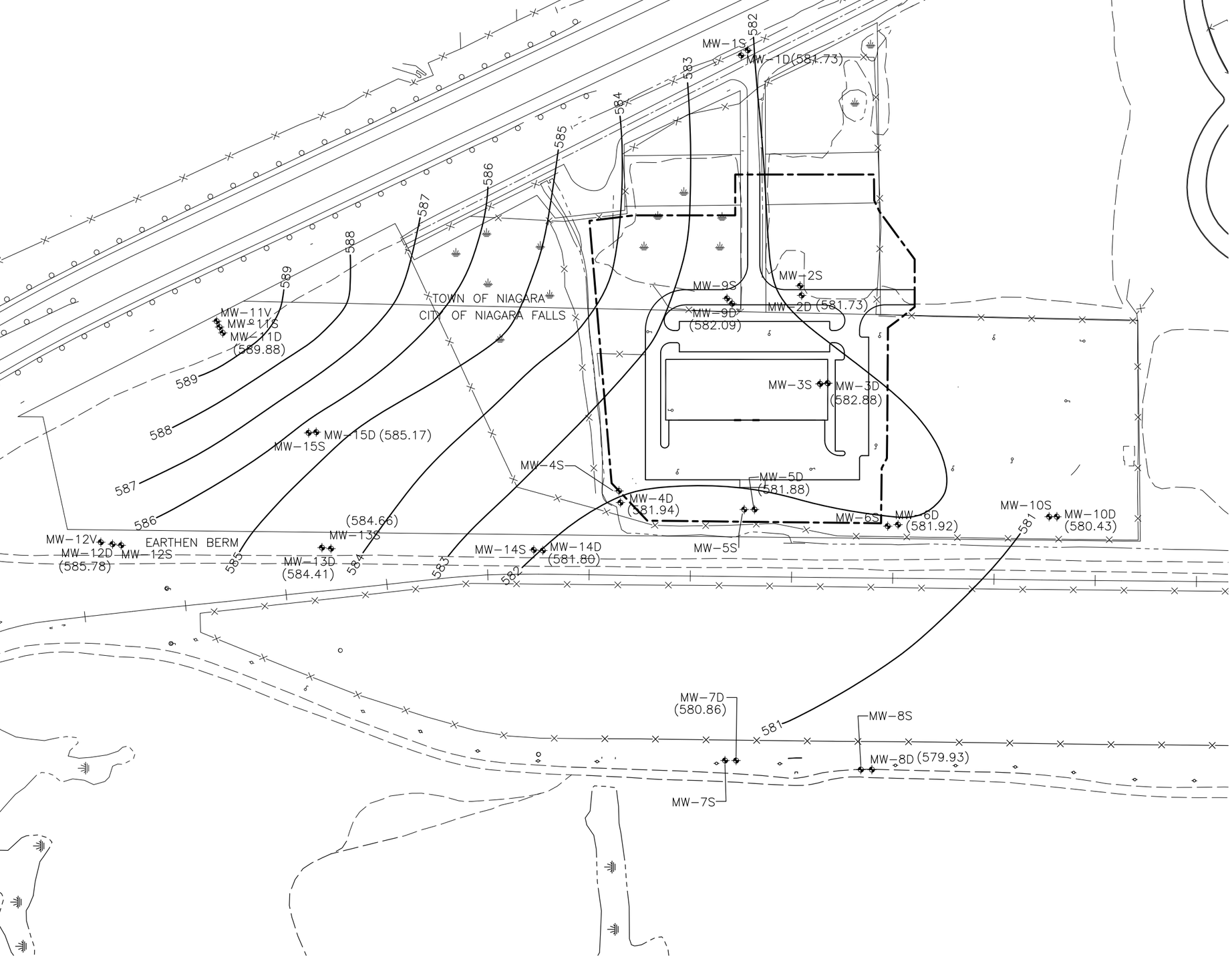
FILE NO. 5540.44667.017
MARCH 2010

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

Appendix A

Effluent Monitoring Reports

March 1, 2017

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

SUB: Quarterly Monitoring Report (Period ending February 28, 2017)

FILE: 5540.62547

Dear Mr. Paradise

This quarterly monitoring report for the period between December 1, 2016 and February 28, 2017 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 30, 2013.

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, 2016 and February 28, 2017, a total of 2,180,288 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 December 19 to 20, 2016 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 table, and the Self Monitoring Report provided as Attachment A 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) 956-6316.

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

Alfred R. Farrell, P.E.
Project Manager

I:\Goodyear.5540\62547.Forest-Glen-10\Corres\February 2017 quarterly report.docx

cc: E. Gloeckler - The Goodyear Tire & Rubber Company
G. Sosa – United States Environmental Protection Agency
Z. Russo – New York State Department of Environmental Protection

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. 61 QUARTER February 28, 2017

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 Lumm

Title: MNGR. GLOBAL REMEDIATION

Date: JANUARY 16, 2017

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: → 12/20/16						
24-HOUR FLOW IN MGD *						0.027
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – DICHLOROETHYLENE	31	3.0 J	18	0.0041	16.68	0.0033
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	5 U	0	0	0
TOLUENE						
1,1,1 – TRICHLOROETHANE	1.2 J	5 U	5 U	0	0.69	0.0002
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	5 U	5 U	5 U	0	0.05	0
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	11	2.4 J	4.8 J	0.0013	5.24	0.0010
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: → 12/20/16						
24-HOUR FLOW IN MGD						0.027
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: → 12/20/16						
24-HOUR FLOW IN MGD						0.027
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: → 12/20/16						
24-HOUR FLOW IN MGD *						0.027
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	1.2 J	5 U	5 U	0.0001	0.69	0.0002
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	3.7 J	1.5 J	0.6 J	0.0004	1.4	0.0003
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: → 12/20/16						
24-HOUR FLOW IN MGD *						0.027
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	11	2.4 J	4.8 J	0.0013	5.24	0.0010
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE	5 U	5 U	5 U	0	0.05	0
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: → 12/20/16						
24-HOUR FLOW IN MGD						0.027
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 6,798 gallons		RW-2 volume 6,109 gallons		RW-3 volume 14,539 gallons	Total volume 27,445 gallons	
Analyte	RW-1 (12/20/16)	Contribution to loading to POTW	RW-2 (12/20/16)	Contribution to loading to POTW	RW-3 (12/20/16)	Contribution to loading to POTW	Total loading to POTW	
1,1,1-trichloroethane	1.2 J	0.0001 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0.0001 lbs/day	0.2972 ug/l
1,1-dichloroethane	3.7 J	0.0002 lbs/day	1.5 J	0.0001 lbs/day	0.6 J	0.0001 lbs/day	0.0004 lbs/day	1.5682 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	31	0.0018 lbs/day	3.0 J	0.0002 lbs/day	18	0.0022 lbs/day	0.0041 lbs/day	17.8812 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	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
vinyl chloride	11	0.0006 lbs/day	2.4 J	0.0001 lbs/day	4.8 J	0.0006 lbs/day	0.0013 lbs/day	5.8015 ug/l

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

	3/28/2016	6/21/2016	9/20/2016	12/20/2016	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	1.0384	1.0990	0.3182	0.2972	0.69
1,1-dichloroethane	0.8387	2.1500	1.0250	1.5682	1.40
1,1-dichloroethylene	0	0	0	0	0.00
cis-1,2-dichloroethylene	11.9062	23.6549	13.2653	17.8812	16.68
tetrachloroethylene	0	0	0	0	0.00
trans-1,2-dichloroethylene	0	0	0	0	0.00
trichloroethylene	0.2131	0	0	0	0.05
vinyl chloride	2.326	8.1956	4.6320	5.8015	5.24

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0003	0.0002	0.0001	0.0001	0.0002
1,1-dichloroethane	0.0002	0.0003	0.0002	0.0004	0.0003
1,1-dichloroethylene	0	0	0	0	0.0000
cis-1,2-dichloroethylene	0.0031	0.0036	0.0022	0.0041	0.0033
tetrachloroethylene	0	0	0	0	0.0000
trans-1,2-dichloroethylene	0	0	0	0	0.0000
trichloroethylene	0.0001	0	0	0	0.0000
vinyl chloride	0.0006	0.0012	0.0008	0.0013	0.0010

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: 480-111404-1
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. Al Farrell

Joseph V. Giacomazza

Authorized for release by:
12/23/2016 1:45:30 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

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

TestAmerica Job ID: 480-111404-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-111404-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-111404-1

Receipt
The samples were received on 12/21/2016 3:45 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: The following Volatile samples were composited by the laboratory on 12/21/16 as requested by the client: RW-1 LAB COMPOSITE (480-111404-1), RW-2 LAB COMPOSITE (480-111404-6) and RW-3 LAB COMPOSITE (480-111404-11). 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: 480-111404-1

Client Sample ID: RW-1 LAB COMPOSITE — Lab Sample ID: 480-111404-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.2	J	5.0	0.39	ug/L	1		624	Total/NA
1,1-Dichloroethane	3.7	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	31		5.0	0.57	ug/L	1		624	Total/NA
Vinyl chloride	11		5.0	0.75	ug/L	1		624	Total/NA

Client Sample ID: RW-2 LAB COMPOSITE — Lab Sample ID: 480-111404-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	3.0	J	5.0	0.57	ug/L	1		624	Total/NA
Vinyl chloride	2.4	J	5.0	0.75	ug/L	1		624	Total/NA

Client Sample ID: RW-3 LAB COMPOSITE — Lab Sample ID: 480-111404-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.60	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	18		5.0	0.57	ug/L	1		624	Total/NA
Vinyl chloride	4.8	J	5.0	0.75	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-111404-1

Date Collected: 12/20/16 10:50

Matrix: Water

Date Received: 12/21/16 15:45

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.2**	**J**	5.0	0.39	ug/L			12/22/16 00:10	1
1,1-Dichloroethane	**3.7**	**J**	5.0	0.59	ug/L			12/22/16 00:10	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			12/22/16 00:10	1
cis-1,2-Dichloroethylene	**31**		5.0	0.57	ug/L			12/22/16 00:10	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			12/22/16 00:10	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			12/22/16 00:10	1
Trichloroethylene	ND		5.0	0.60	ug/L			12/22/16 00:10	1
Vinyl chloride	**11**		5.0	0.75	ug/L			12/22/16 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*12/22/16 00:10*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*12/22/16 00:10*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*12/22/16 00:10*	*1*
Dibromofluoromethane (Surr)	*108*		*78 - 120*		*12/22/16 00:10*	*1*

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-111404-6

Date Collected: 12/20/16 10:50

Matrix: Water

Date Received: 12/21/16 15:45

Method: 624 - 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			12/22/16 00:34	1
1,1-Dichloroethane	**1.5**	**J**	5.0	0.59	ug/L			12/22/16 00:34	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			12/22/16 00:34	1
cis-1,2-Dichloroethylene	**3.0**	**J**	5.0	0.57	ug/L			12/22/16 00:34	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			12/22/16 00:34	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			12/22/16 00:34	1
Trichloroethylene	ND		5.0	0.60	ug/L			12/22/16 00:34	1
Vinyl chloride	**2.4**	**J**	5.0	0.75	ug/L			12/22/16 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*12/22/16 00:34*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*12/22/16 00:34*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*12/22/16 00:34*	*1*
Dibromofluoromethane (Surr)	*106*		*78 - 120*		*12/22/16 00:34*	*1*

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-111404-11

Date Collected: 12/20/16 10:50

Matrix: Water

Date Received: 12/21/16 15:45

Method: 624 - 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			12/22/16 00:58	1
1,1-Dichloroethane	**0.60**	**J**	5.0	0.59	ug/L			12/22/16 00:58	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			12/22/16 00:58	1
cis-1,2-Dichloroethylene	**18**		5.0	0.57	ug/L			12/22/16 00:58	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			12/22/16 00:58	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			12/22/16 00:58	1
Trichloroethylene	ND		5.0	0.60	ug/L			12/22/16 00:58	1
Vinyl chloride	**4.8**	**J**	5.0	0.75	ug/L			12/22/16 00:58	1

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

TestAmerica Job ID: 480-111404-1

Client Sample ID: RW-3 LAB COMPOSITE
Date Collected: 12/20/16 10:50
Date Received: 12/21/16 15:45

Lab Sample ID: 480-111404-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		12/22/16 00:58	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/22/16 00:58	1
Toluene-d8 (Surr)	101		77 - 120		12/22/16 00:58	1
Dibromofluoromethane (Surr)	102		78 - 120		12/22/16 00:58	1

Surrogate Summary

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

TestAmerica Job ID: 480-111404-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(77-120)	(78-120)
480-111404-1	RW-1 LAB COMPOSITE	109	107	101	108
480-111404-6	RW-2 LAB COMPOSITE	107	106	100	106
480-111404-11	RW-3 LAB COMPOSITE	105	103	101	102
LCS 480-337477/6	Lab Control Sample	105	108	102	107
MB 480-337477/8	Method Blank	108	106	103	104

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

TestAmerica Job ID: 480-111404-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-337477/8
Matrix: Water
Analysis Batch: 337477

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			12/21/16 15:40	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/21/16 15:40	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			12/21/16 15:40	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			12/21/16 15:40	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			12/21/16 15:40	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			12/21/16 15:40	1
Trichloroethylene	ND		5.0	0.60	ug/L			12/21/16 15:40	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/21/16 15:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*12/21/16 15:40*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*12/21/16 15:40*	*1*
Toluene-d8 (Surr)	*103*		*77 - 120*		*12/21/16 15:40*	*1*
Dibromofluoromethane (Surr)	*104*		*78 - 120*		*12/21/16 15:40*	*1*

Lab Sample ID: LCS 480-337477/6
Matrix: Water
Analysis Batch: 337477

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	22.4		ug/L		112	52 - 162
1,1-Dichloroethane	20.0	23.8		ug/L		119	59 - 155
1,1-Dichloroethylene	20.0	22.3		ug/L		111	1 - 234
Tetrachloroethylene	20.0	21.3		ug/L		107	64 - 148
trans-1,2-Dichloroethylene	20.0	23.9		ug/L		119	54 - 156
Trichloroethylene	20.0	22.3		ug/L		112	71 - 157
Vinyl chloride	20.0	22.8		ug/L		114	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Toluene-d8 (Surr)	*102*		*77 - 120*
Dibromofluoromethane (Surr)	*107*		*78 - 120*

QC Association Summary

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

TestAmerica Job ID: 480-111404-1

GC/MS VOA

Analysis Batch: 337477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111404-1	RW-1 LAB COMPOSITE	Total/NA	Water	624	
480-111404-6	RW-2 LAB COMPOSITE	Total/NA	Water	624	
480-111404-11	RW-3 LAB COMPOSITE	Total/NA	Water	624	
MB 480-337477/8	Method Blank	Total/NA	Water	624	
LCS 480-337477/6	Lab Control Sample	Total/NA	Water	624	

Lab Chronicle

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

TestAmerica Job ID: 480-111404-1

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-111404-1

Date Collected: 12/20/16 10:50

Matrix: Water

Date Received: 12/21/16 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	337477	12/22/16 00:10	SWO	TAL BUF

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-111404-6

Date Collected: 12/20/16 10:50

Matrix: Water

Date Received: 12/21/16 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	337477	12/22/16 00:34	SWO	TAL BUF

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-111404-11

Date Collected: 12/20/16 10:50

Matrix: Water

Date Received: 12/21/16 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	337477	12/22/16 00:58	SWO	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-111404-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

Method Summary

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

TestAmerica Job ID: 480-111404-1

Method	Method Description	Protocol	Laboratory
624	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: 480-111404-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-111404-1	RW-1 LAB COMPOSITE	Water	12/20/16 10:50	12/21/16 15:45
480-111404-6	RW-2 LAB COMPOSITE	Water	12/20/16 10:50	12/21/16 15:45
480-111404-11	RW-3 LAB COMPOSITE	Water	12/20/16 10:50	12/21/16 15:45

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: 480-90692-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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 #: 11511119
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:

To Be Composited By LABS

Special Instructions/Note:

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
			Preservation Code:				A	
RW-1 121916	12-19-16	13:00	G	Water			3	
RW-2 121916	12-19-16	13:00	G	Water			3	
RW-3 121916	12-19-16	13:00	G	Water			3	
RW-1 121916	12-19-16	1530	G	W			3	
RW-2 121916	12-19-16	1530	G	W			3	
RW-3 121916	12-19-16	15:30	G	W			3	
RW-1 122016	12-20-16	730	G	W			3	
RW-2 122016	12-20-16	730	G	W			3	
RW-3 122016	12-20-16	730	G	W			3	
RW-1 122016	12-20-16	1050	G	W			3	
RW-2 122016	12-20-16	1050	G	W			3	
RW-3 122016	12-2016	1050	G	W			3	

480-111404 COC

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	12-20-16 1440	OBG	Alayna Finell	12/21/16 1440	OBG
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Alayna Finell	12/21/16 1545	OBG		12-21-16 1545	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.0 #1

Page 15 of 16

12/23/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-111404-1

Login Number: 111404

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl 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.	False	
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.	False	NA: Check done at department level as required

June 5, 2017

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

SUB: Quarterly Monitoring Report (Period ending May 31, 2017)

FILE: 5540.65610

Dear Mr. Paradise

This quarterly monitoring report for the period between March 1 and May 31, 2017 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 30, 2013.

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 and May 31, 2017, a total of 1,531,520 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 April 10 to 11, 2017 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 table, and the Self Monitoring Report provided as Attachment A 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) 956-6316.

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

Alfred R. Farrell, P.E.
Project Manager

I:\Goodyear.5540\65610.Forest-Glen-201\Corres\May 2017 quarterly report.docx

cc: E. Gloeckler - The Goodyear Tire & Rubber Company
G. Sosa – United States Environmental Protection Agency
Z. Russo – New York State Department of Environmental Protection

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. 61 QUARTER May 31, 2017

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: Mngr Global Remediation

Date: May 12, 2017

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: → 4/11/17						
24-HOUR FLOW IN MGD *						0.018
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – DICHLOROETHYLENE	3.2 J	19	13	0.0017	16.65	0.0029
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	5 U	0	0	0
TOLUENE						
1,1,1 – TRICHLOROETHANE	0.77 J	3.1 J	5 U	0.0001	0.68	0.0001
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	1.4 J	5.7	0.7 J	0.0003	0.54	0
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	5 U	5.4	2.6 J	0.0004	5.30	0.0009
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: → 4/11/17						
24-HOUR FLOW IN MGD						0.018
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: → 4/11/17						
24-HOUR FLOW IN MGD						0.018
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: → 4/11/17						
24-HOUR FLOW IN MGD *						0.018
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	0.77 J	3.1 U	5 U	0.0001	0.68	0.0001
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	2.9 J	3.1 J	5 U	0.0002	1.59	0.0003
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: → 4/11/17						
24-HOUR FLOW IN MGD *						0.018
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	5 U	5.4	2.6 J	0.0004	5.30	0.0009
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE	1.4 J	5.7	0.7 J	0.0004	0.54	0
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: → 4/11/17						
24-HOUR FLOW IN MGD						0.018
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: _____

PERMIT NO.: **61** _____

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 4,925 gallons			RW-2 volume 4,515 gallons			RW-3 volume 8,270 gallons		Total volume 17,710 gallons		
Analyte	RW-1 (4/11/17)		Contribution to loading to POTW		RW-2 (4/11/17)	Contribution to loading to POTW		RW-3 (4/11/17)	Contribution to loading to POTW		Total loading to POTW		
1,1,1-trichloroethane	0.77	J	0.0000	lbs/day	3.1 J	0.0001	lbs/day	5 U	0	lbs/day	0.0001	lbs/day	1.0044 ug/l
1,1-dichloroethane	2.9	J	0.0001	lbs/day	3.1 J	0.0001	lbs/day	5 U	0	lbs/day	0.0002	lbs/day	1.5968 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	3.2	J	0.0001	lbs/day	19.0	0.0007	lbs/day	13	0.0009	lbs/day	0.0017	lbs/day	11.8043 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	1.4	J	0.0001	lbs/day	5.7	0.0002	lbs/day	0.7 J	0.0000	lbs/day	0.0003	lbs/day	2.1694 ug/l
vinyl chloride	5 U		0	lbs/day	5.4	0.0002	lbs/day	2.6 J	0.0002	lbs/day	0.0004	lbs/day	2.5908 ug/l

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

	6/21/2016	9/20/2016	12/20/2016	4/11/2017	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	1.0990	0.3182	0.2972	1.0044	0.68
1,1-dichloroethane	2.1500	1.0250	1.5682	1.5968	1.59
1,1-dichloroethylene	0	0	0	0	0.00
cis-1,2-dichloroethylene	23.6549	13.2653	17.8812	11.8043	16.65
tetrachloroethylene	0	0	0	0	0.00
trans-1,2-dichloroethylene	0	0	0	0	0.00
trichloroethylene	0	0	0	2.1694	0.54
vinyl chloride	8.1956	4.6320	5.8015	2.5908	5.30

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0002	0.0001	0.0001	0.0001	0.0001
1,1-dichloroethane	0.0003	0.0002	0.0004	0.0002	0.0003
1,1-dichloroethylene	0	0	0	0	0.0000
cis-1,2-dichloroethylene	0.0036	0.0022	0.0041	0.0017	0.0029
tetrachloroethylene	0	0	0	0	0.0000
trans-1,2-dichloroethylene	0	0	0	0	0.0000
trichloroethylene	0	0	0	0	0.0000
vinyl chloride	0.0012	0.0008	0.0013	0.0004	0.0009

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: 480-116102-1
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. Al Farrell

Joseph V. Giacomazza

Authorized for release by:
4/21/2017 10:35:09 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-116102-1

Job ID: 480-116102-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-116102-1

Receipt
The samples were received on 4/12/2017 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7º C.

GC/MS VOA
Method(s) 624: The following Volatile samples were composited by the laboratory on 4/19/17 as requested by the client: RW-1 LAB COMPOSITE (480-116102-1), RW-2 LAB COMPOSITE (480-116102-6) and RW-3 LAB COMPOSITE (480-116102-11). Regulatory defined guidance for in-laboratory compositing of samples, is currently not available. Laboratory sample compositing was performed using established project specifications and 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: 480-116102-1

Client Sample ID: RW-1 LAB COMPOSITE — Lab Sample ID: 480-116102-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.77	J	5.0	0.39	ug/L	1		624	Total/NA
1,1-Dichloroethane	2.9	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	3.2	J	5.0	0.57	ug/L	1		624	Total/NA
Trichloroethylene	1.4	J	5.0	0.60	ug/L	1		624	Total/NA

Client Sample ID: RW-2 LAB COMPOSITE — Lab Sample ID: 480-116102-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.1	J	5.0	0.39	ug/L	1		624	Total/NA
1,1-Dichloroethane	3.1	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	19		5.0	0.57	ug/L	1		624	Total/NA
Trichloroethylene	5.7		5.0	0.60	ug/L	1		624	Total/NA
Vinyl chloride	5.4		5.0	0.75	ug/L	1		624	Total/NA

Client Sample ID: RW-3 LAB COMPOSITE — Lab Sample ID: 480-116102-11

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	Total/NA
Trichloroethylene	0.70	J	5.0	0.60	ug/L	1		624	Total/NA
Vinyl chloride	2.6	J	5.0	0.75	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-116102-1

Date Collected: 04/11/17 11:50

Matrix: Water

Date Received: 04/12/17 17:30

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.77**	**J**	5.0	0.39	ug/L			04/19/17 11:59	1
1,1-Dichloroethane	**2.9**	**J**	5.0	0.59	ug/L			04/19/17 11:59	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			04/19/17 11:59	1
cis-1,2-Dichloroethylene	**3.2**	**J**	5.0	0.57	ug/L			04/19/17 11:59	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			04/19/17 11:59	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			04/19/17 11:59	1
Trichloroethylene	**1.4**	**J**	5.0	0.60	ug/L			04/19/17 11:59	1
Vinyl chloride	ND		5.0	0.75	ug/L			04/19/17 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*04/19/17 11:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*04/19/17 11:59*	*1*
Toluene-d8 (Surr)	*102*		*77 - 120*		*04/19/17 11:59*	*1*
Dibromofluoromethane (Surr)	*106*		*78 - 120*		*04/19/17 11:59*	*1*

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-116102-6

Date Collected: 04/11/17 11:50

Matrix: Water

Date Received: 04/12/17 17:30

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**3.1**	**J**	5.0	0.39	ug/L			04/19/17 12:22	1
1,1-Dichloroethane	**3.1**	**J**	5.0	0.59	ug/L			04/19/17 12:22	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			04/19/17 12:22	1
cis-1,2-Dichloroethylene	**19**		5.0	0.57	ug/L			04/19/17 12:22	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			04/19/17 12:22	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			04/19/17 12:22	1
Trichloroethylene	**5.7**		5.0	0.60	ug/L			04/19/17 12:22	1
Vinyl chloride	**5.4**		5.0	0.75	ug/L			04/19/17 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*04/19/17 12:22*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*04/19/17 12:22*	*1*
Toluene-d8 (Surr)	*102*		*77 - 120*		*04/19/17 12:22*	*1*
Dibromofluoromethane (Surr)	*105*		*78 - 120*		*04/19/17 12:22*	*1*

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-116102-11

Date Collected: 04/11/17 11:50

Matrix: Water

Date Received: 04/12/17 17:30

Method: 624 - 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			04/19/17 12:46	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			04/19/17 12:46	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			04/19/17 12:46	1
cis-1,2-Dichloroethylene	**13**		5.0	0.57	ug/L			04/19/17 12:46	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			04/19/17 12:46	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			04/19/17 12:46	1
Trichloroethylene	**0.70**	**J**	5.0	0.60	ug/L			04/19/17 12:46	1
Vinyl chloride	**2.6**	**J**	5.0	0.75	ug/L			04/19/17 12:46	1

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

TestAmerica Job ID: 480-116102-1

Client Sample ID: RW-3 LAB COMPOSITE
Date Collected: 04/11/17 11:50
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116102-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		04/19/17 12:46	1
4-Bromofluorobenzene (Surr)	95		80 - 120		04/19/17 12:46	1
Toluene-d8 (Surr)	102		77 - 120		04/19/17 12:46	1
Dibromofluoromethane (Surr)	101		78 - 120		04/19/17 12:46	1

Surrogate Summary

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

TestAmerica Job ID: 480-116102-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(77-120)	(78-120)
480-116102-1	RW-1 LAB COMPOSITE	115	100	102	106
480-116102-6	RW-2 LAB COMPOSITE	109	100	102	105
480-116102-11	RW-3 LAB COMPOSITE	109	95	102	101
LCS 480-352758/6	Lab Control Sample	104	95	100	99
MB 480-352758/8	Method Blank	108	99	101	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

TestAmerica Job ID: 480-116102-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-352758/8
Matrix: Water
Analysis Batch: 352758

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			04/19/17 11:22	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			04/19/17 11:22	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			04/19/17 11:22	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			04/19/17 11:22	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			04/19/17 11:22	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			04/19/17 11:22	1
Trichloroethylene	ND		5.0	0.60	ug/L			04/19/17 11:22	1
Vinyl chloride	ND		5.0	0.75	ug/L			04/19/17 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*04/19/17 11:22*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*04/19/17 11:22*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*04/19/17 11:22*	*1*
Dibromofluoromethane (Surr)	*101*		*78 - 120*		*04/19/17 11:22*	*1*

Lab Sample ID: LCS 480-352758/6
Matrix: Water
Analysis Batch: 352758

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	20.6		ug/L		103	52 - 162
1,1-Dichloroethane	20.0	21.8		ug/L		109	59 - 155
1,1-Dichloroethylene	20.0	20.5		ug/L		102	1 - 234
Tetrachloroethylene	20.0	20.1		ug/L		100	64 - 148
trans-1,2-Dichloroethylene	20.0	21.0		ug/L		105	54 - 156
Trichloroethylene	20.0	20.0		ug/L		100	71 - 157
Vinyl chloride	20.0	23.6		ug/L		118	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*100*		*77 - 120*
Dibromofluoromethane (Surr)	*99*		*78 - 120*

QC Association Summary

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

TestAmerica Job ID: 480-116102-1

GC/MS VOA

Analysis Batch: 352758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116102-1	RW-1 LAB COMPOSITE	Total/NA	Water	624	
480-116102-6	RW-2 LAB COMPOSITE	Total/NA	Water	624	
480-116102-11	RW-3 LAB COMPOSITE	Total/NA	Water	624	
MB 480-352758/8	Method Blank	Total/NA	Water	624	
LCS 480-352758/6	Lab Control Sample	Total/NA	Water	624	

Lab Chronicle

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

TestAmerica Job ID: 480-116102-1

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-116102-1

Date Collected: 04/11/17 11:50
Matrix: Water
Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	352758	04/19/17 11:59	SWO	TAL BUF

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-116102-6

Date Collected: 04/11/17 11:50
Matrix: Water
Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	352758	04/19/17 12:22	SWO	TAL BUF

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-116102-11

Date Collected: 04/11/17 11:50
Matrix: Water
Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	352758	04/19/17 12:46	SWO	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: 480-116102-1

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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-116102-1

Method	Method Description	Protocol	Laboratory
624	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: 480-116102-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-116102-1	RW-1 LAB COMPOSITE	Water	04/11/17 11:50	04/12/17 17:30
480-116102-6	RW-2 LAB COMPOSITE	Water	04/11/17 11:50	04/12/17 17:30
480-116102-11	RW-3 LAB COMPOSITE	Water	04/11/17 11:50	04/12/17 17:30

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 Koenecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-96122-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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 #: 11511119			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Discharge Analysis	Project #: 48002806			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitri
E - NaH
F - MeO
G - Amc
H - Asc
I - Ice
J - DI W
K - EDT
L - EDA
M - Hexane
N - None
hydrate
480-116102 COC

Other:

To Be Composited By Labs

Special Instructions/Note:

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
			Preservation Code:				A	
RW-1 041017	4-10-17	11:50	G	Water			3	
RW-2 041017	4-10-17	11:50	G	Water			3	
RW-3 041017	4-10-17	11:50	G	Water			3	
RW-1 041017	4-10-17	14:45	G	W			3	
RW-2 041017	4-10-17	14:45	G	W			3	
RW-3 041017	4-10-17	14:45	G	W			3	
RW-1 041117	4-11-17	7:00	G	W			3	
RW-2 041117	4-11-17	7:00	G	W			3	
RW-3 041117	4-11-17	7:00	G	W			3	
RW-1 041117	4-11-17	11:50	G	W			3	
RW-2 041117	4-11-17	11:50	G	W			3	
RW-3 041117	4-11-17	11:50	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:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koenecke	4-12-17 / 1730	OBG	[signature]	4-12-17 1730	
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: 3.7 #1

Page 15 of 16

4/21/2017

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-116102-1

Login Number: 116102

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris 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	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	False	LAB TO CHECK RC

September 11, 2017

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

SUB: Quarterly Monitoring Report (Period ending August 31, 2017)

FILE: 5540.65610

Dear Mr. Paradise,

This quarterly monitoring report for the period between June 1 and August 31, 2017 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 30, 2013.

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 and August 31, 2017, a total of 2,664,022 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 26 to 27, 2017 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 table, and the Self Monitoring Report provided as Attachment A 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.

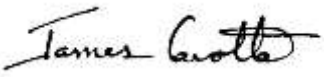
333 West Washington Street, PO Box 4873
Syracuse, NY 13221-4873

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\65610.Forest-Glen-201\Corres\August 2017 quarterly report.docx

cc: E. Gloeckler - The Goodyear Tire & Rubber Company
G. Sosa – United States Environmental Protection Agency
Z. Russo – New York State Department of Environmental Protection

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. _____61__ QUARTER ___ August 31, 2017_____

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 Summers

Title: MNGR. GLOBAL REMEDIATION

Date: 7/21/17

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: → 6/27/17						
24-HOUR FLOW IN MGD *						0.029
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – DICHLOROETHYLENE	31	6.8 J	23	0.0046	15.55	0.0032
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	5 U	0	0	0
TOLUENE						
1,1,1 – TRICHLOROETHANE	1.7 J	5 U	5 U	0.0002	0.57	0.0001
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	5 U	0.91 J	5 U	0.0001	0.64	0
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	10	1.8 J	3.9 J	0.0013	4.59	0.0010
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: → 6/27/17						
24-HOUR FLOW IN MGD						0.029
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: → 6/27/17						
24-HOUR FLOW IN MGD						0.029
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: → 6/27/17						
24-HOUR FLOW IN MGD *						0.029
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	1.7 J	5 U	5 U	0.0002	0.57	0.0001
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	3.6 J	1.7 J	0.59 J	0.0005	1.6	0.0003
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: → 6/27/17						
24-HOUR FLOW IN MGD *						0.029
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	10	1.8 J	3.9 J	0.0013	4.59	0.0010
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE	5 U	0.91 J	5 U	0	0.64	0
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: → 6/27/17						
24-HOUR FLOW IN MGD						0.029
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 11,049 gallons		RW-2 volume 12,124 gallons		RW-3 volume 5,643 gallons	Total volume 28,816 gallons	
Analyte	RW-1 (6/27/17)	Contribution to loading to POTW	RW-2 (6/27/17)	Contribution to loading to POTW	RW-3 (6/27/17)	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	0.6518 ug/l
1,1-dichloroethane	3.6 J	0.0003 lbs/day	1.7 J	0.0002 lbs/day	0.59 J	0.0000 lbs/day	0.0005 lbs/day	2.2111 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	31	0.0029 lbs/day	6.8	0.0007 lbs/day	23	0.0011 lbs/day	0.0046 lbs/day	19.2514 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	5 U	0 lbs/day	0.91 J	0.0001 lbs/day	5 U	0 lbs/day	0.0001 lbs/day	0.3829 ug/l
vinyl chloride	10	0.0009 lbs/day	1.8 J	0.0002 lbs/day	3.9 J	0.0002 lbs/day	0.0013 lbs/day	5.3553 ug/l

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

Flow volumes recorded on June 25, 2017 used for calculation of loading to be representative of normal flow since pumping was disrupted on June 26 and 27 and would not be representative of the normal loading. The concentrations for samples collected on June 26 and 27 were used in the calculation.

	9/20/2016	12/20/2016	4/11/2017	6/27/2017	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	0.3182	0.2972	1.0044	0.6518	0.57
1,1-dichloroethane	1.0250	1.5682	1.5968	2.2111	1.60
1,1-dichloroethylene	0	0	0	0	0.00
cis-1,2-dichloroethylene	13.2653	17.8812	11.8043	19.2514	15.55
tetrachloroethylene	0	0	0	0	0.00
trans-1,2-dichloroethylene	0	0	0	0	0.00
trichloroethylene	0	0	2.1694	0.3829	0.64
vinyl chloride	4.6320	5.8015	2.5908	5.3553	4.59

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0001	0.0001	0.0001	0.0002	0.0001
1,1-dichloroethane	0.0002	0.0004	0.0002	0.0005	0.0003
1,1-dichloroethylene	0	0	0	0	0.0000
cis-1,2-dichloroethylene	0.0022	0.0041	0.0017	0.0046	0.0032
tetrachloroethylene	0	0	0	0	0.0000
trans-1,2-dichloroethylene	0	0	0	0	0.0000
trichloroethylene	0	0	0	0.0001	0.0000
vinyl chloride	0.0008	0.0013	0.0004	0.0013	0.0010

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: 480-120278-1
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. Al Farrell

Authorized for release by:
7/6/2017 1:02:39 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-120278-1

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: 480-120278-1

Job ID: 480-120278-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-120278-1

Receipt
The samples were received on 6/27/2017 6:03 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4º C.

Receipt Exceptions
The COC listed a date of 6/26/17 for RW-3. The sample was collected on 06/27/17 and the login reflects this date.

GC/MS VOA
Method(s) 624: The following Volatile samples were composited by the laboratory on 6/29/2017 as requested by the client:RW-1- LAB COMPOSITE (480-120278-1), RW-2-LAB COMPOSITE (480-120278-6) and RW-3-LAB COMPOSITE (480-120278-11) .
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: 480-120278-1

Client Sample ID: RW-1-LAB COMPOSITE — Lab Sample ID: 480-120278-1

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	Total/NA
1,1-Dichloroethane	3.6	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	31		5.0	0.57	ug/L	1		624	Total/NA
Vinyl chloride	10		5.0	0.75	ug/L	1		624	Total/NA

Client Sample ID: RW-2-LAB COMPOSITE — Lab Sample ID: 480-120278-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.7	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	6.8		5.0	0.57	ug/L	1		624	Total/NA
Trichloroethylene	0.91	J	5.0	0.60	ug/L	1		624	Total/NA
Vinyl chloride	1.8	J	5.0	0.75	ug/L	1		624	Total/NA

Client Sample ID: RW-3-LAB COMPOSITE — Lab Sample ID: 480-120278-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.59	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	23		5.0	0.57	ug/L	1		624	Total/NA
Vinyl chloride	3.9	J	5.0	0.75	ug/L	1		624	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-120278-16

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample ID: RW-1-LAB COMPOSITE

Lab Sample ID: 480-120278-1
Date Collected: 06/27/17 12:00
Matrix: Water
Date Received: 06/27/17 18:03

Method: 624 - 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			06/29/17 20:14	1
1,1-Dichloroethane	**3.6**	**J**	5.0	0.59	ug/L			06/29/17 20:14	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/29/17 20:14	1
cis-1,2-Dichloroethylene	**31**		5.0	0.57	ug/L			06/29/17 20:14	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/29/17 20:14	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/29/17 20:14	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/29/17 20:14	1
Vinyl chloride	**10**		5.0	0.75	ug/L			06/29/17 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*06/29/17 20:14*	*1*
4-Bromofluorobenzene (Surr)	*89*		*76 - 123*		*06/29/17 20:14*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*06/29/17 20:14*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*06/29/17 20:14*	*1*

Client Sample ID: RW-2-LAB COMPOSITE

Lab Sample ID: 480-120278-6
Date Collected: 06/27/17 12:00
Matrix: Water
Date Received: 06/27/17 18:03

Method: 624 - 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			06/29/17 20:38	1
1,1-Dichloroethane	**1.7**	**J**	5.0	0.59	ug/L			06/29/17 20:38	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/29/17 20:38	1
cis-1,2-Dichloroethylene	**6.8**		5.0	0.57	ug/L			06/29/17 20:38	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/29/17 20:38	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/29/17 20:38	1
Trichloroethylene	**0.91**	**J**	5.0	0.60	ug/L			06/29/17 20:38	1
Vinyl chloride	**1.8**	**J**	5.0	0.75	ug/L			06/29/17 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*06/29/17 20:38*	*1*
4-Bromofluorobenzene (Surr)	*88*		*76 - 123*		*06/29/17 20:38*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*06/29/17 20:38*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/29/17 20:38*	*1*

Client Sample ID: RW-3-LAB COMPOSITE

Lab Sample ID: 480-120278-11
Date Collected: 06/27/17 12:00
Matrix: Water
Date Received: 06/27/17 18:03

Method: 624 - 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			06/29/17 21:01	1
1,1-Dichloroethane	**0.59**	**J**	5.0	0.59	ug/L			06/29/17 21:01	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/29/17 21:01	1
cis-1,2-Dichloroethylene	**23**		5.0	0.57	ug/L			06/29/17 21:01	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/29/17 21:01	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/29/17 21:01	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/29/17 21:01	1
Vinyl chloride	**3.9**	**J**	5.0	0.75	ug/L			06/29/17 21:01	1

Client Sample ID: RW-3-LAB COMPOSITE

Lab Sample ID: 480-120278-11

Date Collected: 06/27/17 12:00

Matrix: Water

Date Received: 06/27/17 18:03

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 130*		*06/29/17 21:01*	*1*
4-Bromofluorobenzene (Surr)	*89*		*76 - 123*		*06/29/17 21:01*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*06/29/17 21:01*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*06/29/17 21:01*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-120278-16

Date Collected: 06/27/17 00:00

Matrix: Water

Date Received: 06/27/17 18:03

Method: 624 - 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			06/29/17 21:25	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/29/17 21:25	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/29/17 21:25	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			06/29/17 21:25	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/29/17 21:25	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/29/17 21:25	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/29/17 21:25	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/29/17 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*06/29/17 21:25*	*1*
4-Bromofluorobenzene (Surr)	*87*		*76 - 123*		*06/29/17 21:25*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*06/29/17 21:25*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*06/29/17 21:25*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-120278-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)	(75-123)
480-120278-1	RW-1-LAB COMPOSITE	102	89	96	96
480-120278-6	RW-2-LAB COMPOSITE	101	88	95	99
480-120278-11	RW-3-LAB COMPOSITE	96	89	97	92
480-120278-16	TRIP BLANK	104	87	97	96
LCS 480-364746/5	Lab Control Sample	100	91	96	100
MB 480-364746/7	Method Blank	101	90	96	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-364746/7
Matrix: Water
Analysis Batch: 364746

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			06/29/17 16:03	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/29/17 16:03	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/29/17 16:03	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			06/29/17 16:03	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/29/17 16:03	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/29/17 16:03	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/29/17 16:03	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/29/17 16:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*06/29/17 16:03*	*1*
4-Bromofluorobenzene (Surr)	*90*		*76 - 123*		*06/29/17 16:03*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*06/29/17 16:03*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/29/17 16:03*	*1*

Lab Sample ID: LCS 480-364746/5
Matrix: Water
Analysis Batch: 364746

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	20.7		ug/L		104	52 - 162
1,1-Dichloroethane	20.0	18.8		ug/L		94	59 - 155
1,1-Dichloroethylene	20.0	19.3		ug/L		96	1 - 234
Tetrachloroethylene	20.0	21.7		ug/L		108	64 - 148
trans-1,2-Dichloroethylene	20.0	19.9		ug/L		100	54 - 156
Trichloroethylene	20.0	20.2		ug/L		101	71 - 157
Vinyl chloride	20.0	18.8		ug/L		94	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 130*
4-Bromofluorobenzene (Surr)	*91*		*76 - 123*
Toluene-d8 (Surr)	*96*		*77 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

QC Association Summary

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

TestAmerica Job ID: 480-120278-1

GC/MS VOA

Analysis Batch: 364746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120278-1	RW-1-LAB COMPOSITE	Total/NA	Water	624	
480-120278-6	RW-2-LAB COMPOSITE	Total/NA	Water	624	
480-120278-11	RW-3-LAB COMPOSITE	Total/NA	Water	624	
480-120278-16	TRIP BLANK	Total/NA	Water	624	
MB 480-364746/7	Method Blank	Total/NA	Water	624	
LCS 480-364746/5	Lab Control Sample	Total/NA	Water	624	

Lab Chronicle

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

TestAmerica Job ID: 480-120278-1

Client Sample ID: RW-1-LAB COMPOSITE

Lab Sample ID: 480-120278-1
Matrix: Water
Date Collected: 06/27/17 12:00
Date Received: 06/27/17 18:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	364746	06/29/17 20:14	CDC	TAL BUF

Client Sample ID: RW-2-LAB COMPOSITE

Lab Sample ID: 480-120278-6
Matrix: Water
Date Collected: 06/27/17 12:00
Date Received: 06/27/17 18:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	364746	06/29/17 20:38	CDC	TAL BUF

Client Sample ID: RW-3-LAB COMPOSITE

Lab Sample ID: 480-120278-11
Matrix: Water
Date Collected: 06/27/17 12:00
Date Received: 06/27/17 18:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	364746	06/29/17 21:01	CDC	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-120278-16
Matrix: Water
Date Collected: 06/27/17 00:00
Date Received: 06/27/17 18:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	364746	06/29/17 21:25	CDC	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: 480-120278-1

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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-120278-1

Method	Method Description	Protocol	Laboratory
624	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: 480-120278-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-120278-1	RW-1-LAB COMPOSITE	Water	06/27/17 12:00	06/27/17 18:03
480-120278-6	RW-2-LAB COMPOSITE	Water	06/27/17 12:00	06/27/17 18:03
480-120278-11	RW-3-LAB COMPOSITE	Water	06/27/17 12:00	06/27/17 18:03
480-120278-16	TRIP BLANK	Water	06/27/17 00:00	06/27/17 18:03

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: Alayna Fuess, Mike Mellen	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-98697-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-456-6401	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): Standard			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11511119			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Discharge Analysis	Project #: 48002806			
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
W - pH 4-5
Z - other (specify)
Other:

480-120278 COC

To be composited by labs

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-1-062617	6/26/17	1200	G	Water			X	3	
RW-2-062617	6/26/17	1200	G	Water			X	3	
RW-3-062617	6/26/17	1200	G	Water			X	3	
RW-1-062617	6/26/17	1650	G	W			X	3	
RW-2-062617	6/26/17	1650	G	W			X	3	
RW-3-062617	6/26/17	1650	G	W			X	3	
RW-1-062717	6/27/17	0835	G	W			X	3	
RW-2-062717	6/27/17	0835	G	W			X	3	
RW-3-062717	6/27/17	0835	G	W			X	3	
RW-1-062717	6/27/17	1200	G	W			X	3	
RW-2-062717	6/27/17	1200	G	W			X	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
1	Alayna Fuess	6/27/17, 1803	OBG		6/27/17, 1803	TAB
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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: 3.4 #1

7/6/2017

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: Alayna Fuess, Mike Mellen	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-98697-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-956-6401	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): Standard			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11511119			
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		To be composited by labs
RW-3-06227	6/26/17	1200	G	Water			X	3	
Trip Blank				Water			~~X~~ AF	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:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alayna Fuess	6/27/17, 1803	OBG		6/27/17, 1803	TAB
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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:

7/6/2017

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-120278-1

Login Number: 120278
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	
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.	False	NA: Check done at department level as required

December 13, 2017

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

SUB: Quarterly Monitoring Report (Period ending November 30, 2017)

FILE: 5540.65610

Dear Mr. Paradise,

This quarterly monitoring report for the period between September 30 and November 30, 2017 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 30, 2013.

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 and November 30, 2017, a total of 3,205,045 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 11 to 12, 2017 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 table, and the Self Monitoring Report provided as Attachment A 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\65610.Forest-Glen-201\Corres\Quarterly Reports\November 2017 quarterly report.docx

cc: E. Gloeckler - The Goodyear Tire & Rubber Company
G. Sosa – United States Environmental Protection Agency
Z. Russo – New York State Department of Environmental Protection

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. 61 QUARTER November 30, 2017

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)

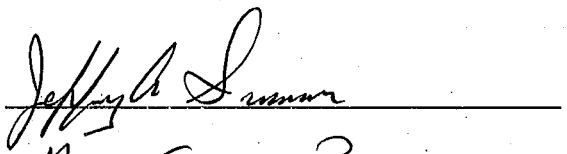
PAGE 2

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: MNGR. GLOBAL REMEDIATION

Date: NOVEMBER 13, 2017

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: → 9/12/17						
24-HOUR FLOW IN MGD *						0.034
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – DICHLOROETHYLENE	36	4.8 J	28	0.0061	17.68	0.0041
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	5 U	0	0	0
TOLUENE						
1,1,1 – TRICHLOROETHANE	2.3 J	0.4 J	5 U	0.0003	0.72	0.0002
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	5 U	5 U	5 U	0	0.64	0
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	13	3.2 J	5	0.0021	5.31	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: → 9/12/17						
24-HOUR FLOW IN MGD						0.034
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: → 9/12/17						
24-HOUR FLOW IN MGD						0.034
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: → 9/12/17						
24-HOUR FLOW IN MGD *						0.034
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	2.3 J	0.4 J	5 U	0.0003	0.72	0.0002
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	4.2 J	1.5 J	0.68 J	0.0007	1.95	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: → 9/12/17						
24-HOUR FLOW IN MGD *						0.034
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	13	3.2 J	5	0.0021	5.31	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	5 U	5 U	5 U	0	0.64	0.00003
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: → 9/12/17						
24-HOUR FLOW IN MGD						0.034
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 13,457 gallons		RW-2 volume 13,665 gallons		RW-3 volume 6,455 gallons	Total volume 33,577 gallons	
Analyte	RW-1 (9/12/17)	Contribution to loading to POTW	RW-2 (9/12/17)	Contribution to loading to POTW	RW-3 (9/12/17)	Contribution to loading to POTW	Total loading to POTW	
1,1,1-trichloroethane	2.3 J	0.0003 lbs/day	0.4 J	0 lbs/day	5 U	0 lbs/day	0.0003 lbs/day	0.9218 ug/l
1,1-dichloroethane	4.2 J	0.0005 lbs/day	1.5 J	0.0002 lbs/day	0.68 J	0.00004 lbs/day	0.0007 lbs/day	2.4245 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	36	0.0040 lbs/day	4.8 J	0.0005 lbs/day	28	0.0015 lbs/day	0.0061 lbs/day	21.7644 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	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
vinyl chloride	13	0.0015 lbs/day	3.2 J	0.0004 lbs/day	5	0.0003 lbs/day	0.0021 lbs/day	7.4737 ug/l

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

	12/20/2016	4/11/2017	6/27/2017	9/12/2017	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	0.2972	1.0044	0.6518	0.9218	0.72
1,1-dichloroethane	1.5682	1.5968	2.2111	2.4245	1.95
1,1-dichloroethylene	0	0	0	0	0.00
cis-1,2-dichloroethylene	17.8812	11.8043	19.2514	21.7644	17.68
tetrachloroethylene	0	0	0	0	0.00
trans-1,2-dichloroethylene	0	0	0	0	0.00
trichloroethylene	0	2.1694	0.3829	0	0.64
vinyl chloride	5.8015	2.5908	5.3553	7.4737	5.31

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0001	0.0001	0.0002	0.0003	0.0002
1,1-dichloroethane	0.0004	0.0002	0.0005	0.0007	0.0005
1,1-dichloroethylene	0	0	0	0	0.0000
cis-1,2-dichloroethylene	0.0041	0.0017	0.0046	0.0061	0.0041
tetrachloroethylene	0	0	0	0	0.0000
trans-1,2-dichloroethylene	0	0	0	0	0.0000
trichloroethylene	0	0	0.0001	0	0.00003
vinyl chloride	0.0013	0.0004	0.0013	0.0021	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: 480-124015-1
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. Al Farrell

Katelyn Ferguson

Authorized for release by:
9/18/2017 4:19:01 PM
Katelyn Ferguson, Project Management Assistant I
katelyn.ferguson@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-124015-1

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: 480-124015-1

Job ID: 480-124015-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-124015-1

Comments
No additional comments.

Receipt
The samples were received on 9/12/2017 5:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2º C.

GC/MS VOA
Method(s) 624: The following Volatile samples were composited by the laboratory on 9/13/17 as requested by the client: RW-1 LAB COMPOSITE (480-124015-13), RW-2 LAB COMPOSITE (480-124015-14) and RW-3 LAB COMPOSITE (480-124015-15). 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: 480-124015-1

Client Sample ID: RW-1 LAB COMPOSITE — Lab Sample ID: 480-124015-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.3	J	5.0	0.39	ug/L	1		624	Total/NA
1,1-Dichloroethane	4.2	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	36		5.0	0.57	ug/L	1		624	Total/NA
Vinyl chloride	13		5.0	0.75	ug/L	1		624	Total/NA

Client Sample ID: RW-2 LAB COMPOSITE — Lab Sample ID: 480-124015-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.41	J	5.0	0.39	ug/L	1		624	Total/NA
1,1-Dichloroethane	1.5	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	4.8	J	5.0	0.57	ug/L	1		624	Total/NA
Vinyl chloride	3.2	J	5.0	0.75	ug/L	1		624	Total/NA

Client Sample ID: RW-3 LAB COMPOSITE — Lab Sample ID: 480-124015-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.68	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	28		5.0	0.57	ug/L	1		624	Total/NA
Vinyl chloride	5.0		5.0	0.75	ug/L	1		624	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-124015-13
Matrix: Water
Date Collected: 09/12/17 11:50
Date Received: 09/12/17 17:20

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.3**	**J**	5.0	0.39	ug/L			09/13/17 17:22	1
1,1-Dichloroethane	**4.2**	**J**	5.0	0.59	ug/L			09/13/17 17:22	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/13/17 17:22	1
cis-1,2-Dichloroethylene	**36**		5.0	0.57	ug/L			09/13/17 17:22	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/13/17 17:22	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/13/17 17:22	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/13/17 17:22	1
Vinyl chloride	**13**		5.0	0.75	ug/L			09/13/17 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 130*		*09/13/17 17:22*	*1*
4-Bromofluorobenzene (Surr)	*107*		*76 - 123*		*09/13/17 17:22*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*09/13/17 17:22*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/13/17 17:22*	*1*

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-124015-14
Matrix: Water
Date Collected: 09/12/17 11:50
Date Received: 09/12/17 17:20

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.41**	**J**	5.0	0.39	ug/L			09/13/17 17:45	1
1,1-Dichloroethane	**1.5**	**J**	5.0	0.59	ug/L			09/13/17 17:45	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/13/17 17:45	1
cis-1,2-Dichloroethylene	**4.8**	**J**	5.0	0.57	ug/L			09/13/17 17:45	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/13/17 17:45	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/13/17 17:45	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/13/17 17:45	1
Vinyl chloride	**3.2**	**J**	5.0	0.75	ug/L			09/13/17 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 130*		*09/13/17 17:45*	*1*
4-Bromofluorobenzene (Surr)	*111*		*76 - 123*		*09/13/17 17:45*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*09/13/17 17:45*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/13/17 17:45*	*1*

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-124015-15
Matrix: Water
Date Collected: 09/12/17 11:50
Date Received: 09/12/17 17:20

Method: 624 - 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			09/13/17 18:09	1
1,1-Dichloroethane	**0.68**	**J**	5.0	0.59	ug/L			09/13/17 18:09	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/13/17 18:09	1
cis-1,2-Dichloroethylene	**28**		5.0	0.57	ug/L			09/13/17 18:09	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/13/17 18:09	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/13/17 18:09	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/13/17 18:09	1
Vinyl chloride	**5.0**		5.0	0.75	ug/L			09/13/17 18:09	1

Client Sample ID: RW-3 LAB COMPOSITE
Date Collected: 09/12/17 11:50
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124015-15
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		68 - 130		09/13/17 18:09	1
4-Bromofluorobenzene (Surr)	109		76 - 123		09/13/17 18:09	1
Toluene-d8 (Surr)	97		77 - 120		09/13/17 18:09	1
Dibromofluoromethane (Surr)	105		75 - 123		09/13/17 18:09	1

Surrogate Summary

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

TestAmerica Job ID: 480-124015-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)	(75-123)
480-124015-13	RW-1 LAB COMPOSITE	112	107	99	104
480-124015-14	RW-2 LAB COMPOSITE	112	111	97	107
480-124015-15	RW-3 LAB COMPOSITE	109	109	97	105
LCS 480-376587/6	Lab Control Sample	111	111	96	104
MB 480-376587/8	Method Blank	109	116	100	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-376587/8
Matrix: Water
Analysis Batch: 376587

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			09/13/17 15:12	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/13/17 15:12	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/13/17 15:12	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			09/13/17 15:12	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/13/17 15:12	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/13/17 15:12	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/13/17 15:12	1
Vinyl chloride	ND		5.0	0.75	ug/L			09/13/17 15:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*09/13/17 15:12*	*1*
4-Bromofluorobenzene (Surr)	*116*		*76 - 123*		*09/13/17 15:12*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*09/13/17 15:12*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/13/17 15:12*	*1*

Lab Sample ID: LCS 480-376587/6
Matrix: Water
Analysis Batch: 376587

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	25.2		ug/L		126	52 - 162
1,1-Dichloroethane	20.0	27.8		ug/L		139	59 - 155
1,1-Dichloroethylene	20.0	26.2		ug/L		131	1 - 234
Tetrachloroethylene	20.0	22.7		ug/L		113	64 - 148
trans-1,2-Dichloroethylene	20.0	26.9		ug/L		135	54 - 156
Trichloroethylene	20.0	24.5		ug/L		123	71 - 157
Vinyl chloride	20.0	24.8		ug/L		124	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 130*
4-Bromofluorobenzene (Surr)	*111*		*76 - 123*
Toluene-d8 (Surr)	*96*		*77 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

QC Association Summary

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

TestAmerica Job ID: 480-124015-1

GC/MS VOA

Analysis Batch: 376587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124015-13	RW-1 LAB COMPOSITE	Total/NA	Water	624	
480-124015-14	RW-2 LAB COMPOSITE	Total/NA	Water	624	
480-124015-15	RW-3 LAB COMPOSITE	Total/NA	Water	624	
MB 480-376587/8	Method Blank	Total/NA	Water	624	
LCS 480-376587/6	Lab Control Sample	Total/NA	Water	624	

Lab Chronicle

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

TestAmerica Job ID: 480-124015-1

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-124015-13

Date Collected: 09/12/17 11:50

Matrix: Water

Date Received: 09/12/17 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	376587	09/13/17 17:22	RJF	TAL BUF

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-124015-14

Date Collected: 09/12/17 11:50

Matrix: Water

Date Received: 09/12/17 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	376587	09/13/17 17:45	RJF	TAL BUF

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-124015-15

Date Collected: 09/12/17 11:50

Matrix: Water

Date Received: 09/12/17 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	376587	09/13/17 18:09	RJF	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: 480-124015-1

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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-124015-1

Method	Method Description	Protocol	Laboratory
624	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: 480-124015-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-124015-13	RW-1 LAB COMPOSITE	Water	09/12/17 11:50	09/12/17 17:20
480-124015-14	RW-2 LAB COMPOSITE	Water	09/12/17 11:50	09/12/17 17:20
480-124015-15	RW-3 LAB COMPOSITE	Water	09/12/17 11:50	09/12/17 17:20

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: 480-101978-14318.1
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
B - NaOH
C - Zn Aceta
D - Nitric Acic
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acic
I - Ice
J - DI Water
K - EDTA
L - EDA
W - pH 4-5
Z - other (specify)
Other:

480-124015 COC

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 091117	9-11-17	1310	G	Water			3		To Be Composited
RW-2 091117	9-11-17	13:10	G	Water			3		AT LABS
RW-3 091117	9-11-17	13:10	G	Water			3		
RW-1 091117	9-11-17	1550	G	W			3		
RW-2 091117	9-11-17	1550	G	W			3		
RW-3 091117	9-11-17	15.50	G	W			3		
RW-1 091217	9-12-17	7:20	G	W			3		
RW-2 091217	9-12-17	7:20	G	W			3		
RW-3 091217	9-12-17	7:20	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:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koennecke	9-12-17 / 17:20	OBG		9/12/17 17:20	TAB uf.
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: 3.2 #1

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 Koenecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-101978-14318.1
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		Analysis Requested		Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			Preservation Codes:
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#:			Other:

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)

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		
RW1 091217	9-12-17	1150	G	Water			3		To Be composited
RW2 091217	9-12-17	11:50	G	Water			3		AT LABS
RW3 091217	9-12-17	11:50	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	Date/Time: 9-12-17 17:20	Company: OBG	Received by: [signature]	Date/Time: 9/12/17 1720	Company: TA Buf
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:

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-124015-1

Login Number: 124015
List Number: 1
Creator: Conway, Curtis R

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.	N/A	
Chlorine Residual checked.	True	

Appendix B

Significant Industrial User (SIU) Discharge Permit 61

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
SIGNIFICANT INDUSTRIAL USER
WASTEWATER DISCHARGE PERMIT

PERMIT NO. 61 THE GOODYEAR TIRE & RUBBER COMPANY, AS AGENT FOR THE FOREST GLEN SITE TRUST

In accordance with all terms and conditions of 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: Same as above

Located at: Edgewood Drive – Niagara Falls, NY 14304

Classified by SIC No(s): 4953

For the contribution of wastewater into the Niagara Falls Water Board Publicly-Owned Treatment Works (POTW).

Effective this 1st day of October 2013

To expire this 1st day of October 2018

for

Paul J. Drof
Executive Director of the Niagara Falls Water Board

Signed this 30th day of September, 2013

DISCHARGE IDENTIFICATION

OUTFALL	DESCRIPTION	LOCATION	RECEIVING
MS #1	#001 8" Site Sanitary to 12" NFWB Sanitary	Manhole MH – 3B Forest Glen Subdivision	Ground Water

WASTEWATER DISCHARGE PERMIT REQUIREMENTS FOR:	**ACTION REQUIRED**	**REQUIRED DATE OF SUBMISSION**
A. Discharges to the Niagara Falls Water Board (NFWB) Sewer		
1. Identification of all discharges to the NFWB Sewer System on a current plant sewer map certified by a New York State 31, 2008 licensed professional engineer.	NONE	SUBMISSION RECEIVED September 18, 2013
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 September 18, 2013
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 September 18, 2013
4. Establishment of a control manhole that is continuously and immediately accessible for each discharge to the NFWB Sewer System.	NONE	SUBMISSION RECEIVED September 18, 2013
B. Wastewater Discharge Management Practices		
1. Identification of a responsible person(s)	NONE	

WASTEWATER DISCHARGE PERMIT REQUIREMENTS FOR:

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. 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).

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), City of Niagara Falls 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 <u>not</u> 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 <u>not</u> 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.

F. DISCHARGE LIMITATIONS & MONITORING REQUIREMENTS CONTINUED

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	Regular 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

H. Comments/Revisions

Appendix C

Groundwater Monitoring Laboratory Reports

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

April 20, 2017

David Carnevale
O'Brien & Gere
333 W Washington St
Syracuse, NY 13202

RE: **FOREST GLENN / 62547**

Pace Workorder: 22293

Dear David Carnevale:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, April 13, 2017. 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 04/20/2017
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 24

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 and Solid & Hazardous Waste
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:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
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: 22293 FOREST GLENN / 62547

Lab ID	Sample ID	Matrix	Date Collected	Date Received
222930001	MW-6D-041117	Water	4/11/2017 09:30	4/13/2017 09:21
222930002	MW-6DD-041117	Water	4/11/2017 11:15	4/13/2017 09:21
222930003	MW-1S-041117	Water	4/11/2017 13:00	4/13/2017 09:21
222930004	MW-6S-041117	Water	4/11/2017 13:00	4/13/2017 09:21
222930005	MW-1D-041117	Water	4/11/2017 16:30	4/13/2017 09:21
222930006	MW-1D-041117 MS	Water	4/11/2017 16:30	4/13/2017 09:21
222930007	MW-1D-041117 MSD	Water	4/11/2017 16:30	4/13/2017 09:21
222930008	MW-10S-041117	Water	4/11/2017 16:40	4/13/2017 09:21
222930009	X-1-041117	Water	4/11/2017 00:00	4/13/2017 09:21
222930010	MW-10D-041217	Water	4/12/2017 09:10	4/13/2017 09:21
222930011	MW-5D-041217	Water	4/12/2017 10:45	4/13/2017 09:21
222930012	MW-7DD-041217	Water	4/12/2017 11:50	4/13/2017 09:21
222930013	MW-5S-041217	Water	4/12/2017 12:10	4/13/2017 09:21
222930014	MW-7S-041217	Water	4/12/2017 13:45	4/13/2017 09:21
222930015	MW-8S-041217	Water	4/12/2017 14:10	4/13/2017 09:21
222930016	MW-7D-041217	Water	4/12/2017 15:40	4/13/2017 09:21

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930001** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-6D-041117** Date Collected: 4/11/2017 09:30

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	0.019	1	4/18/2017 08:46	AK	B
Ethane	**0.11J**	ug/l	0.20	0.0050	1	4/18/2017 08:46	AK	
Ethene	**0.029J**	ug/l	0.20	0.0070	1	4/18/2017 08:46	AK	

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930002** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-6DD-041117** Date Collected: 4/11/2017 11:15

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**2.6**	ug/l	0.50	0.019	1	4/18/2017 08:57	AK	B
Ethane	**0.041J**	ug/l	0.20	0.0050	1	4/18/2017 08:57	AK	
Ethene	**0.016J**	ug/l	0.20	0.0070	1	4/18/2017 08:57	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930003** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-1S-041117** Date Collected: 4/11/2017 13:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**9.6**	ug/l	0.50	0.019	1	4/18/2017 09:07	AK	B
Ethane	**0.033J**	ug/l	0.20	0.0050	1	4/18/2017 09:07	AK	
Ethene	**0.016J**	ug/l	0.20	0.0070	1	4/18/2017 09:07	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930004** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-6S-041117** Date Collected: 4/11/2017 13:00

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	0.019	1	4/18/2017 09:18	AK	B
Ethane	**0.088J**	ug/l	0.20	0.0050	1	4/18/2017 09:18	AK	
Ethene	**0.43**	ug/l	0.20	0.0070	1	4/18/2017 09:18	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930005** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-1D-041117** Date Collected: 4/11/2017 16:30

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	0.019	1	4/18/2017 09:28	AK	B
Ethane	**0.074J**	ug/l	0.20	0.0050	1	4/18/2017 09:28	AK	
Ethene	**0.015J**	ug/l	0.20	0.0070	1	4/18/2017 09:28	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930006** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-1D-041117 MS** Date Collected: 4/11/2017 16:30

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**54**	ug/l	0.50	0.019	1	4/18/2017 09:38	AK	B
Ethane	**77**	ug/l	0.20	0.0050	1	4/18/2017 09:38	AK	
Ethene	**74**	ug/l	0.20	0.0070	1	4/18/2017 09:38	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930007** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-1D-041117 MSD** Date Collected: 4/11/2017 16:30

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**55**	ug/l	0.50	0.019	1	4/18/2017 09:49	AK	B
Ethane	**76**	ug/l	0.20	0.0050	1	4/18/2017 09:49	AK	
Ethene	**73**	ug/l	0.20	0.0070	1	4/18/2017 09:49	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930008** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-10S-041117** Date Collected: 4/11/2017 16:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**31**	ug/l	0.50	0.019	1	4/18/2017 10:02	AK	B
Ethane	**0.048J**	ug/l	0.20	0.0050	1	4/18/2017 10:02	AK	
Ethene	**0.0070U**	ug/l	0.20	0.0070	1	4/18/2017 10:02	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930009** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **X-1-041117** Date Collected: 4/11/2017 00:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**6.9**	ug/l	0.50	0.019	1	4/18/2017 10:13	AK	B
Ethane	**0.023J**	ug/l	0.20	0.0050	1	4/18/2017 10:13	AK	
Ethene	**0.0085J**	ug/l	0.20	0.0070	1	4/18/2017 10:13	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930010** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-10D-041217** Date Collected: 4/12/2017 09:10

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	0.019	1	4/18/2017 10:24	AK	B
Ethane	**0.062J**	ug/l	0.20	0.0050	1	4/18/2017 10:24	AK	
Ethene	**0.0073J**	ug/l	0.20	0.0070	1	4/18/2017 10:24	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930011** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-5D-041217** Date Collected: 4/12/2017 10:45

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**48**	ug/l	0.50	0.019	1	4/18/2017 10:55	AK	B
Ethane	**0.058J**	ug/l	0.20	0.0050	1	4/18/2017 10:55	AK	
Ethene	**0.015J**	ug/l	0.20	0.0070	1	4/18/2017 10:55	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930012** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-7DD-041217** Date Collected: 4/12/2017 11:50

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	0.019	1	4/18/2017 11:07	AK	B
Ethane	**0.072J**	ug/l	0.20	0.0050	1	4/18/2017 11:07	AK	
Ethene	**0.0070U**	ug/l	0.20	0.0070	1	4/18/2017 11:07	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930013** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-5S-041217** Date Collected: 4/12/2017 12:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.072J**	ug/l	0.50	0.019	1	4/18/2017 11:17	AK	B
Ethane	**0.0068J**	ug/l	0.20	0.0050	1	4/18/2017 11:17	AK	
Ethene	**0.0071J**	ug/l	0.20	0.0070	1	4/18/2017 11:17	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930014** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-7S-041217** Date Collected: 4/12/2017 13:45

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	0.019	1	4/18/2017 11:28	AK	B
Ethane	**0.0050U**	ug/l	0.20	0.0050	1	4/18/2017 11:28	AK	
Ethene	**0.0070U**	ug/l	0.20	0.0070	1	4/18/2017 11:28	AK	

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930015** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-8S-041217** Date Collected: 4/12/2017 14:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.28J**	ug/l	0.50	0.019	1	4/18/2017 11:39	AK	B
Ethane	**0.0050U**	ug/l	0.20	0.0050	1	4/18/2017 11:39	AK	
Ethene	**0.0070U**	ug/l	0.20	0.0070	1	4/18/2017 11:39	AK	

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ANALYTICAL RESULTS

Workorder: 22293 FOREST GLENN / 62547

Lab ID: **222930016** Date Received: 4/13/2017 09:21 Matrix: Water

Sample ID: **MW-7D-041217** Date Collected: 4/12/2017 15:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.077J**	ug/l	0.50	0.019	1	4/18/2017 11:50	AK	B
Ethane	**0.0050U**	ug/l	0.20	0.0050	1	4/18/2017 11:50	AK	
Ethene	**0.0070U**	ug/l	0.20	0.0070	1	4/18/2017 11:50	AK	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 22293 FOREST GLENN / 62547

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.

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QUALITY CONTROL DATA

Workorder: 22293 FOREST GLENN / 62547

QC Batch: DISG/6051 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 222930001, 222930002, 222930003, 222930004, 222930005, 222930006, 222930007, 222930008, 222930009, 222930010, 222930011, 222930012, 222930013, 222930014, 222930015, 222930016

METHOD BLANK: 48257

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.021J	0.019	B
Ethane	ug/l	0.0050U	0.0050	
Ethene	ug/l	0.0070U	0.0070	

LABORATORY CONTROL SAMPLE & LCSD: 48258 48259

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	44	42	42	94	95	85-115	1.1	20	B
Ethane	ug/l	83	78	79	94	95	85-115	1.1	20	
Ethene	ug/l	78	74	75	96	96	85-115	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 48260 48261 Original: 222930005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK											
Methane	ug/l	12	44	54	55	94	95	70-130	1.1	20	B
Ethane	ug/l	0.074	83	77	76	92	91	70-130	1.1	20	
Ethene	ug/l	0.015	78	74	73	95	94	70-130	1.1	20	

SAMPLE DUPLICATE: 48269 Original: 222930008

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	31	33	4.3	20	B
Ethane	ug/l	0.048	0.049	2.5	20	
Ethene	ug/l	0.0067	0.0079	16	20	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 22293 FOREST GLENN / 62547

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
222930001	MW-6D-041117			EPA RSK175	DISG/6051
222930002	MW-6DD-041117			EPA RSK175	DISG/6051
222930003	MW-1S-041117			EPA RSK175	DISG/6051
222930004	MW-6S-041117			EPA RSK175	DISG/6051
222930005	MW-1D-041117			EPA RSK175	DISG/6051
222930006	MW-1D-041117 MS			EPA RSK175	DISG/6051
222930007	MW-1D-041117 MSD			EPA RSK175	DISG/6051
222930008	MW-10S-041117			EPA RSK175	DISG/6051
222930009	X-1-041117			EPA RSK175	DISG/6051
222930010	MW-10D-041217			EPA RSK175	DISG/6051
222930011	MW-5D-041217			EPA RSK175	DISG/6051
222930012	MW-7DD-041217			EPA RSK175	DISG/6051
222930013	MW-5S-041217			EPA RSK175	DISG/6051
222930014	MW-7S-041217			EPA RSK175	DISG/6051
222930015	MW-8S-041217			EPA RSK175	DISG/6051
222930016	MW-7D-041217			EPA RSK175	DISG/6051

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

22293

Page: 1 of 1

007755

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: OBG	Report To: Yuri Veliz	Attention:
Address: 333 W. Washington St. Syracuse, NY, 13221	Copy To:	Company Name:
Email To: yuri.veliz@obg.com	Purchase Order No.:	Address:
Phone: 315-956-6100 Fax: 315-463-7554	Project Name: Forest Glenn	Pace Quote Reference:
Requested Due Date/TAT: Standard	Project Number: 62547	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER _____

Site Location STATE: NY

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	TSP	BAK	Zinc Acetate & NaOH	Other	Y/N	Analysis Test: MFE (Light Hydrocarbons)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-6D-041117	WT	G	4/11/17	—	4/11/17	0930		3					X					X		
2	MW-6DD-041117				—		1115		3					X					X		
3	MW-1S-041117				—		1300		3					X					X		
4	MW-6S-041117				—		1300		3					X					X		
5	MW-1D-041117 (MS/MSD)				—		1630		9					X					X		MS/MSD Collected
6	MW-10S-041117				—		1640		3					X					X		
7	X-1-041117				—		—		3					X					X		
8	MW-10D-041217			4/12/17	—	4/12/17	0900		3					X					X		
9	MW-5D-041217				—		1035		3					X					X		
10	MW-7DD-041217				—		1150		3					X					X		
11	MW-5S-041217				—		1210		3					X					X		
12	MW-7S-041217				—		1345		3					X					X		
13	MW-7D-041217				—		1910		3					X					X		
14					—		1540		3					X					X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Alayna Fuess	4/12/17	1703	The UPS Store	4/12/17	1703				
				XOOL PAES	4.13.17	0815	5	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Alayna Fuess, Martin Koennecke

SIGNATURE of SAMPLER: Alayna Fuess, MSK DATE Signed (MM/DD/YY): 04/12/17

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Cooler Receipt Form

Client Name: OBG Project: Forest Glenn Lab Work Order: 22293

A. Shipping/Container Information (circle appropriate response)

Courier: FedEx (UPS) USPS Client Other:_____ Air bill Present: (Yes) No

Tracking Number: 1Z AV8 602 15 0327 9997

Custody Seal on Cooler/Box Present: Yes (No) Seals Intact: Yes No

Cooler/Box Packing Material: (Bubble Wrap) Absorbent Foam Other:_____

Type of Ice: (Wet) Blue None Ice Intact: (Yes) Melted

Cooler Temperature: 5°C Radiation Screened: Yes (No) Chain of Custody Present: (Yes) No

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC	✓			
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
PAES containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	If yes, see pH form.
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments:_____

Cooler contents examined/received by: CG Date: 4.13.17

Project Manager Review: JAM Date: 4/13/17

Pace Analytical Energy Services LLC
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April 26, 2017

David Carnevale
O'Brien & Gere
333 W Washington St
Syracuse, NY 13202

RE: **FOREST GLENN / 62547**

Pace Workorder: 22309

Dear David Carnevale:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, April 14, 2017. 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 04/26/2017
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 14

CERTIFICATE OF ANALYSIS

Pace Analytical Energy Services LLC
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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 and Solid & Hazardous Waste
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:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
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).

CERTIFICATE OF ANALYSIS

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SAMPLE SUMMARY

Workorder: 22309 FOREST GLENN / 62547

Lab ID	Sample ID	Matrix	Date Collected	Date Received
223090001	MW 4D 041317	Water	4/13/2017 09:35	4/14/2017 08:45
223090002	MW 4S 041317	Water	4/13/2017 11:20	4/14/2017 08:45
223090003	MW 8DD 041317	Water	4/13/2017 11:30	4/14/2017 08:45
223090004	MW 8D 041317	Water	4/13/2017 13:05	4/14/2017 08:45

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 22309 FOREST GLENN / 62547

Lab ID: **223090001** Date Received: 4/14/2017 08:45 Matrix: Water

Sample ID: **MW 4D 041317** Date Collected: 4/13/2017 09:35

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	0.019	1	4/21/2017 08:54	AK	
Ethane	**0.20J**	ug/l	0.20	0.0050	1	4/21/2017 08:54	AK	
Ethene	**0.011J**	ug/l	0.20	0.0070	1	4/21/2017 08:54	AK	

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ANALYTICAL RESULTS

Workorder: 22309 FOREST GLENN / 62547

Lab ID: **223090002** Date Received: 4/14/2017 08:45 Matrix: Water

Sample ID: **MW 4S 041317** Date Collected: 4/13/2017 11:20

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**30**	ug/l	0.50	0.019	1	4/21/2017 09:05	AK	
Ethane	**0.027J**	ug/l	0.20	0.0050	1	4/21/2017 09:05	AK	
Ethene	**0.0070U**	ug/l	0.20	0.0070	1	4/21/2017 09:05	AK	

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 22309 FOREST GLENN / 62547

Lab ID: **223090003** Date Received: 4/14/2017 08:45 Matrix: Water

Sample ID: **MW 8DD 041317** Date Collected: 4/13/2017 11:30

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**360**	ug/l	2.5	0.095	5	4/25/2017 12:55	AK	d,B
Ethane	**0.13J**	ug/l	0.20	0.0050	1	4/21/2017 09:17	AK	
Ethene	**0.014J**	ug/l	0.20	0.0070	1	4/21/2017 09:17	AK	

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ANALYTICAL RESULTS

Workorder: 22309 FOREST GLENN / 62547

Lab ID: **223090004** Date Received: 4/14/2017 08:45 Matrix: Water

Sample ID: **MW 8D 041317** Date Collected: 4/13/2017 13:05

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**490**	ug/l	2.5	0.095	5	4/25/2017 13:05	AK	d,B
Ethane	**0.24**	ug/l	0.20	0.0050	1	4/21/2017 09:27	AK	
Ethene	**0.032J**	ug/l	0.20	0.0070	1	4/21/2017 09:27	AK	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 22309 FOREST GLENN / 62547

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.
d	The analyte concentration was determined from a dilution.

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QUALITY CONTROL DATA

Workorder: 22309 FOREST GLENN / 62547

QC Batch: DISG/6060 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 223090001, 223090002, 223090003, 223090004

METHOD BLANK: 48326

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.019J	0.019	
Ethane	ug/l	0.0050U	0.0050	
Ethene	ug/l	0.0070U	0.0070	

LABORATORY CONTROL SAMPLE & LCSD: 48327 48328

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	44	43	43	97	97	85-115	0	20	
Ethane	ug/l	83	81	80	97	96	85-115	1	20	
Ethene	ug/l	78	77	76	99	98	85-115	1	20	

SAMPLE DUPLICATE: 48329 Original: 223330010

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	650	680	4	20	d

SAMPLE DUPLICATE: 48333 Original: 223090001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	38	35	9.8	20	
Ethane	ug/l	0.2	0.2	2.9	20	
Ethene	ug/l	0.011	0.0096	9.9	20	

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QUALITY CONTROL DATA

Workorder: 22309 FOREST GLENN / 62547

QC Batch: DISG/6067 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 223090003, 223090004

METHOD BLANK: 48392

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.021J	0.019	B

LABORATORY CONTROL SAMPLE & LCSD: 48393 48394

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	44	44	44	100	98	85-115	2	20	B

SAMPLE DUPLICATE: 48397 Original: 223240017

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	14	14	1	20	B

SAMPLE DUPLICATE: 48398 Original: 223240024

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	210	220	1.5	20	B

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QUALITY CONTROL DATA QUALIFIERS

Workorder: 22309 FOREST GLENN / 62547

QUALITY CONTROL PARAMETER QUALIFIERS

B	The analyte was detected in the associated blank.
d	The analyte concentration was determined from a dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 22309 FOREST GLENN / 62547

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
223090001	MW 4D 041317			EPA RSK175	DISG/6060
223090002	MW 4S 041317			EPA RSK175	DISG/6060
223090003	MW 8DD 041317			EPA RSK175	DISG/6060
223090004	MW 8D 041317			EPA RSK175	DISG/6060
223090003	MW 8DD 041317			EPA RSK175	DISG/6067
223090004	MW 8D 041317			EPA RSK175	DISG/6067

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412-826-5245

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

22309

Page: 1 of

007756

Section A
Required Client Information:

Company:	OBG
Address:	333 W. Washington St. Syracuse, NY, 13221
Email To:	Yuri.Veliz@obg.com
Phone:	315-956-6100 Fax:
Requested Due Date/TAT:	Standard

Section B
Required Project Information:

Report To:	Yuri Veliz
Copy To:	
Purchase Order No.:	
Project Name:	Forest Glenn
Project Number:	02547

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER _____

Site Location STATE: NY

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	TSP	BAK	Zinc Acetate & NaOH	Other	Y/N: Analysis Test: MEE	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW 4D 041317	WT	G			4/13/17	9:35		3					X			X		
2	MW 4S 041317						11:20		3					X			X		
3	MW 8DD 041317						11:30		3					X			X		
4	MW 8D 041317						13:05		3					X			X		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Alayna Fuess/OBG	4/13/17	1515	The UPS Store	4/13/17	1515				
				Laura PAS	4/14	0845	4.8	Y	Y	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Alayna Fuess, Martin Koennecke

SIGNATURE of SAMPLER: Alayna Fuess for Martin Koennecke DATE Signed (MM/DD/YY): 04/13/17

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Cooler Receipt Form

Client Name: OBG Project: Forest Glenn Lab Work Order: 22309

A. Shipping/Container Information (circle appropriate response)

Courier: FedEx (UPS) USPS Client Other:_____ Air bill Present: (Yes) No

Tracking Number: 1Z AV8 602 15 3672 6414

Custody Seal on Cooler/Box Present: (Yes) No Seals Intact: Yes No

Cooler/Box Packing Material: (Bubble Wrap) Absorbent Foam Other:_____

Type of Ice: (Wet) Blue None Ice Intact: (Yes) Melted

Cooler Temperature: 4.8°C Radiation Screened: Yes (No) Chain of Custody Present: (Yes) No

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC	✓			
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
PAES containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	If yes, see pH form.
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments:_____

Cooler contents examined/received by: LG Date: 4.14.17

Project Manager Review: JEM Date: 4/14/17

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: 480-116100-1
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. Al Farrell

Authorized for release by:
4/27/2017 5:12:20 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-116100-1

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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-116100-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-116100-1

Receipt
The samples were received on 4/12/2017 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.0º C, 3.7º C and 4.2º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

HPLC/IC
Method(s) 300.0: The following samples were reported with elevated reporting limits for all analytes: MW 5S 041217 (480-116100-11), MW 7S 041217 (480-116100-12), MW 8S 041217 (480-116100-13) and MW 7D 041217 (480-116100-14). 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-6D 041117 (480-116100-1), MW 6DD 041117 (480-116100-2), MW 1S 041117 (480-116100-3), X-1 041117 (480-116100-4), MW 6S 041117 (480-116100-5), MW 1D 041117 (480-116100-6), MW 10S 041117 (480-116100-7), MW 10D 041217 (480-116100-8), MW 5D 041217 (480-116100-9) and MW 7DD 041217 (480-116100-10). 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: 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) SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 490-422765 and 490-422766 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

TestAmerica Job ID: 480-116100-1

Client Sample ID: MW-6D 041117 — Lab Sample ID: 480-116100-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.71	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
Methyl tert-butyl ether	0.24	J	1.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	1.2		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	201		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	222		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
Sulfide	0.46		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	3.1		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 6DD 041117 — Lab Sample ID: 480-116100-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.69	J	1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	66.0		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	692		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	208		30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.065		0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.070	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	4.5		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 1S 041117 — Lab Sample ID: 480-116100-3

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
Chloride	1150		25.0	14.1	mg/L	50		300.0	Total/NA
Sulfate	217		100	17.5	mg/L	50		300.0	Total/NA
Alkalinity, Bicarbonate	265		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.12		0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.050	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.2		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: X-1 041117 — Lab Sample ID: 480-116100-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.20	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	1180		25.0	14.1	mg/L	50		300.0	Total/NA
Sulfate	217		100	17.5	mg/L	50		300.0	Total/NA
Alkalinity, Bicarbonate	282		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.13		0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.060	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.3		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 6S 041117 — Lab Sample ID: 480-116100-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	17		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	8.7		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	32.3		2.5	1.4	mg/L	5		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample ID: MW 6S 041117 (Continued) — Lab Sample ID: 480-116100-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	208		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	320		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.14		0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.080	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	3.9		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 1D 041117 — Lab Sample ID: 480-116100-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.22	J	1.0	0.19	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.68	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	252		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	132		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	299		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Sulfide	0.63	F1	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.4		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 10S 041117 — Lab Sample ID: 480-116100-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260C	Total/NA
Chloride	115		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	91.9	B	40.0	7.0	mg/L	20		300.0	Total/NA
Alkalinity, Bicarbonate	192		30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Sulfide	0.13		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	4.2		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 10D 041217 — Lab Sample ID: 480-116100-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.27	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	354		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	238		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	282		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Sulfide	0.18		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.5		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 5D 041217 — Lab Sample ID: 480-116100-9

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
Methyl tert-butyl ether	0.35	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	217		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	322		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Sulfide	0.16		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.6		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 7DD 041217 — Lab Sample ID: 480-116100-10

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 480-116100-1

Client Sample ID: MW 7DD 041217 (Continued) — Lab Sample ID: 480-116100-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.78	J	1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	35.1		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	75.1		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	207		30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.38		0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.34		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.8		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 5S 041217 — Lab Sample ID: 480-116100-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.2		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	6.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.45	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.6		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	2.2		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	8.3		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	169		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	228		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.071		0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.060	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.7		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 7S 041217 — Lab Sample ID: 480-116100-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.0		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	56.0		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	134		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	247		50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	1.7		0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.060	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	6.0		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 8S 041217 — Lab Sample ID: 480-116100-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.1		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.61	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	3.5		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	5.4		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	60.0		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	170		30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.067		0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.060	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	1.4		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 7D 041217 — Lab Sample ID: 480-116100-14

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 480-116100-1

Client Sample ID: MW 7D 041217 (Continued)

Lab Sample ID: 480-116100-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.1		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	19.2		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	58.8		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	183		30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.61		0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.070	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.9		1.0	0.43	mg/L	1		SM 5310C	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-6D 041117

Date Collected: 04/11/17 09:30
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-1

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			04/20/17 00:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 00:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 00:34	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 00:34	1
1,1-Dichloroethane	**0.71**	**J**	1.0	0.38	ug/L			04/20/17 00:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 00:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 00:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 00:34	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 00:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 00:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 00:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 00:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 00:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 00:34	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 00:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 00:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 00:34	1
Acetone	ND		10	3.0	ug/L			04/20/17 00:34	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 00:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 00:34	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 00:34	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 00:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 00:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 00:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 00:34	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 00:34	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 00:34	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 00:34	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 00:34	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			04/20/17 00:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 00:34	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 00:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 00:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 00:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 00:34	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 00:34	1
Methyl tert-butyl ether	**0.24**	**J**	1.0	0.16	ug/L			04/20/17 00:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 00:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 00:34	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 00:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 00:34	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 00:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 00:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 00:34	1
Trichloroethene	ND		1.0	0.46	ug/L			04/20/17 00:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 00:34	1
Vinyl chloride	**1.2**		1.0	0.90	ug/L			04/20/17 00:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 00:34	1

Client Sample ID: MW-6D 041117

Lab Sample ID: 480-116100-1

Date Collected: 04/11/17 09:30

Matrix: Water

Date Received: 04/12/17 17:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/20/17 00:34*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/20/17 00:34*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*04/20/17 00:34*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*04/20/17 00:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**201**		2.5	1.4	mg/L			04/21/17 22:15	5
Sulfate	**222**		10.0	1.7	mg/L			04/24/17 21:25	5
Alkalinity, Bicarbonate	**339**		50.0	20.0	mg/L			04/18/17 15:41	5
Nitrate as N	ND		0.050	0.020	mg/L			04/12/17 21:15	1
Nitrite as N	ND		0.050	0.020	mg/L			04/12/17 21:15	1
Sulfide	**0.46**		0.10	0.050	mg/L			04/17/17 13:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**3.1**		1.0	0.43	mg/L			04/17/17 06:30	1

Client Sample ID: MW 6DD 041117

Lab Sample ID: 480-116100-2

Date Collected: 04/11/17 11:15

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 01:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 01:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 01:01	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 01:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 01:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 01:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 01:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 01:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 01:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 01:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 01:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 01:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 01:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 01:01	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 01:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 01:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 01:01	1
Acetone	ND		10	3.0	ug/L			04/20/17 01:01	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 01:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 01:01	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 01:01	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 01:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 01:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 01:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 01:01	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 01:01	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 01:01	1

Client Sample ID: MW 6DD 041117

Lab Sample ID: 480-116100-2

Date Collected: 04/11/17 11:15

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 01:01	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 01:01	1
cis-1,2-Dichloroethene	**13**		1.0	0.81	ug/L			04/20/17 01:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 01:01	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 01:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 01:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 01:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 01:01	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 01:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/20/17 01:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 01:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 01:01	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 01:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 01:01	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 01:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 01:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 01:01	1
Trichloroethene	**0.69**	**J**	1.0	0.46	ug/L			04/20/17 01:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 01:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 01:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/20/17 01:01*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/20/17 01:01*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*04/20/17 01:01*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*04/20/17 01:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.0**		5.0	2.8	mg/L			04/21/17 22:23	10
Sulfate	**692**		20.0	3.5	mg/L			04/24/17 21:33	10
Alkalinity, Bicarbonate	**208**		30.0	12.0	mg/L			04/18/17 15:55	3
Nitrate as N	**0.065**		0.050	0.020	mg/L			04/13/17 01:51	1
Nitrite as N	ND		0.050	0.020	mg/L			04/13/17 01:51	1
Sulfide	**0.070**	**J**	0.10	0.050	mg/L			04/17/17 13:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**4.5**		1.0	0.43	mg/L			04/17/17 06:45	1

Client Sample ID: MW 1S 041117

Lab Sample ID: 480-116100-3

Date Collected: 04/11/17 13:00

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 01:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 01:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 01:28	1

Client Sample ID: MW 1S 041117
Date Collected: 04/11/17 13:00
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-3
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-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 01:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 01:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 01:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 01:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 01:28	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 01:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 01:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 01:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 01:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 01:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 01:28	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 01:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 01:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 01:28	1
Acetone	ND		10	3.0	ug/L			04/20/17 01:28	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 01:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 01:28	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 01:28	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 01:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 01:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 01:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 01:28	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 01:28	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 01:28	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 01:28	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 01:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/20/17 01:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 01:28	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 01:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 01:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 01:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 01:28	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 01:28	1
Methyl tert-butyl ether	**0.18**	**J**	1.0	0.16	ug/L			04/20/17 01:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 01:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 01:28	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 01:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 01:28	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 01:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 01:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 01:28	1
Trichloroethene	ND		1.0	0.46	ug/L			04/20/17 01:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 01:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 01:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*04/20/17 01:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/20/17 01:28*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*04/20/17 01:28*	*1*

Client Sample ID: MW 1S 041117

Date Collected: 04/11/17 13:00
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-3
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*04/20/17 01:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1150**		25.0	14.1	mg/L			04/21/17 22:31	50
Sulfate	**217**		100	17.5	mg/L			04/24/17 21:41	50
Alkalinity, Bicarbonate	**265**		50.0	20.0	mg/L			04/18/17 15:39	5
Nitrate as N	**0.12**		0.050	0.020	mg/L			04/13/17 01:52	1
Nitrite as N	ND		0.050	0.020	mg/L			04/13/17 01:52	1
Sulfide	**0.050**	**J**	0.10	0.050	mg/L			04/17/17 13:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**2.2**		1.0	0.43	mg/L			04/17/17 07:00	1

Client Sample ID: X-1 041117

Date Collected: 04/11/17 00:00
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-4
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			04/20/17 01:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 01:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 01:55	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 01:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 01:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 01:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 01:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 01:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 01:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 01:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 01:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 01:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 01:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 01:55	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 01:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 01:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 01:55	1
Acetone	ND		10	3.0	ug/L			04/20/17 01:55	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 01:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 01:55	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 01:55	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 01:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 01:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 01:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 01:55	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 01:55	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 01:55	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 01:55	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 01:55	1

Client Sample ID: X-1 041117

Lab Sample ID: 480-116100-4
Date Collected: 04/11/17 00:00
Matrix: Water
Date Received: 04/12/17 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/20/17 01:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 01:55	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 01:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 01:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 01:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 01:55	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 01:55	1
Methyl tert-butyl ether	**0.20**	**J**	1.0	0.16	ug/L			04/20/17 01:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 01:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 01:55	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 01:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 01:55	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 01:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 01:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 01:55	1
Trichloroethene	ND		1.0	0.46	ug/L			04/20/17 01:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 01:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 01:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*04/20/17 01:55*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/20/17 01:55*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*04/20/17 01:55*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*04/20/17 01:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1180**		25.0	14.1	mg/L			04/21/17 22:39	50
Sulfate	**217**		100	17.5	mg/L			04/24/17 21:50	50
Alkalinity, Bicarbonate	**282**		50.0	20.0	mg/L			04/18/17 15:39	5
Nitrate as N	**0.13**		0.050	0.020	mg/L			04/13/17 01:53	1
Nitrite as N	ND		0.050	0.020	mg/L			04/13/17 01:53	1
Sulfide	**0.060**	**J**	0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**2.3**		1.0	0.43	mg/L			04/17/17 07:15	1

Client Sample ID: MW 6S 041117

Lab Sample ID: 480-116100-5
Date Collected: 04/11/17 13:00
Matrix: Water
Date Received: 04/12/17 17:30

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			04/20/17 02:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 02:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 02:22	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 02:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 02:22	1

Client Sample ID: MW 6S 041117
Date Collected: 04/11/17 13:00
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 02:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 02:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 02:22	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 02:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 02:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 02:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 02:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 02:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 02:22	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 02:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 02:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 02:22	1
Acetone	ND		10	3.0	ug/L			04/20/17 02:22	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 02:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 02:22	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 02:22	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 02:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 02:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 02:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 02:22	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 02:22	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 02:22	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 02:22	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 02:22	1
cis-1,2-Dichloroethene	**17**		1.0	0.81	ug/L			04/20/17 02:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 02:22	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 02:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 02:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 02:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 02:22	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 02:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/20/17 02:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 02:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 02:22	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 02:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 02:22	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 02:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 02:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 02:22	1
Trichloroethene	ND		1.0	0.46	ug/L			04/20/17 02:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 02:22	1
Vinyl chloride	**8.7**		1.0	0.90	ug/L			04/20/17 02:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/20/17 02:22*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/20/17 02:22*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*04/20/17 02:22*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*04/20/17 02:22*	*1*

Client Sample ID: MW 6S 041117

Lab Sample ID: 480-116100-5

Date Collected: 04/11/17 13:00

Matrix: Water

Date Received: 04/12/17 17:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.3**		2.5	1.4	mg/L			04/21/17 22:47	5
Sulfate	**208**		10.0	1.7	mg/L			04/24/17 21:58	5
Alkalinity, Bicarbonate	**320**		50.0	20.0	mg/L			04/18/17 15:39	5
Nitrate as N	**0.14**		0.050	0.020	mg/L			04/13/17 01:54	1
Nitrite as N	ND		0.050	0.020	mg/L			04/13/17 01:54	1
Sulfide	**0.080**	**J**	0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**3.9**		1.0	0.43	mg/L			04/17/17 07:30	1

Client Sample ID: MW 1D 041117

Lab Sample ID: 480-116100-6

Date Collected: 04/11/17 16:30

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 02:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 02:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 02:49	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 02:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 02:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 02:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 02:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 02:49	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 02:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 02:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 02:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 02:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 02:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 02:49	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 02:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 02:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 02:49	1
Acetone	ND		10	3.0	ug/L			04/20/17 02:49	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 02:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 02:49	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 02:49	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 02:49	1
Carbon disulfide	**0.22**	**J**	1.0	0.19	ug/L			04/20/17 02:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 02:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 02:49	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 02:49	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 02:49	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 02:49	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 02:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/20/17 02:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 02:49	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 02:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 02:49	1

Client Sample ID: MW 1D 041117

Lab Sample ID: 480-116100-6

Date Collected: 04/11/17 16:30

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 02:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 02:49	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 02:49	1
Methyl tert-butyl ether	**0.68**	**J**	1.0	0.16	ug/L			04/20/17 02:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 02:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 02:49	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 02:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 02:49	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 02:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 02:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 02:49	1
Trichloroethene	ND		1.0	0.46	ug/L			04/20/17 02:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 02:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 02:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*04/20/17 02:49*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/20/17 02:49*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*04/20/17 02:49*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*04/20/17 02:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**252**		2.5	1.4	mg/L			04/21/17 21:34	5
Sulfate	**132**		10.0	1.7	mg/L			04/24/17 22:06	5
Alkalinity, Bicarbonate	**299**		50.0	20.0	mg/L			04/18/17 15:39	5
Nitrate as N	ND		0.050	0.020	mg/L			04/13/17 01:55	1
Nitrite as N	ND		0.050	0.020	mg/L			04/13/17 01:55	1
Sulfide	**0.63**	**F1**	0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**2.4**		1.0	0.43	mg/L			04/17/17 08:30	1

Client Sample ID: MW 10S 041117

Lab Sample ID: 480-116100-7

Date Collected: 04/11/17 16:40

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 03:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 03:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 03:15	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 03:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 03:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 03:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 03:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 03:15	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 03:15	1

Client Sample ID: MW 10S 041117
Date Collected: 04/11/17 16:40
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-7
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			04/20/17 03:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 03:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 03:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 03:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 03:15	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 03:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 03:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 03:15	1
Acetone	ND		10	3.0	ug/L			04/20/17 03:15	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 03:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 03:15	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 03:15	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 03:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 03:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 03:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 03:15	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 03:15	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 03:15	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 03:15	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 03:15	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.81	ug/L			04/20/17 03:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 03:15	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 03:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 03:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 03:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 03:15	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 03:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/20/17 03:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 03:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 03:15	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 03:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 03:15	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 03:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 03:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 03:15	1
Trichloroethene	ND		1.0	0.46	ug/L			04/20/17 03:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 03:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 03:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/20/17 03:15*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/20/17 03:15*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*04/20/17 03:15*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*04/20/17 03:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**		2.5	1.4	mg/L			04/21/17 22:56	5
Sulfate	**91.9**	**B**	40.0	7.0	mg/L			04/25/17 00:41	20

Client Sample ID: MW 10S 041117

Lab Sample ID: 480-116100-7

Date Collected: 04/11/17 16:40

Matrix: Water

Date Received: 04/12/17 17:30

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	**192**		30.0	12.0	mg/L			04/18/17 16:04	3
Nitrate as N	ND		0.050	0.020	mg/L			04/12/17 21:31	1
Nitrite as N	ND		0.050	0.020	mg/L			04/12/17 21:31	1
Sulfide	**0.13**		0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**4.2**		1.0	0.43	mg/L			04/17/17 07:45	1

Client Sample ID: MW 10D 041217

Lab Sample ID: 480-116100-8

Date Collected: 04/12/17 09:10

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 03:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 03:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 03:42	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 03:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 03:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 03:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 03:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 03:42	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 03:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 03:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 03:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 03:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 03:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 03:42	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 03:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 03:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 03:42	1
Acetone	ND		10	3.0	ug/L			04/20/17 03:42	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 03:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 03:42	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 03:42	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 03:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 03:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 03:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 03:42	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 03:42	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 03:42	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 03:42	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 03:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/20/17 03:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 03:42	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 03:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 03:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 03:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 03:42	1

Client Sample ID: MW 10D 041217

Lab Sample ID: 480-116100-8

Date Collected: 04/12/17 09:10

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 03:42	1
Methyl tert-butyl ether	**0.27**	**J**	1.0	0.16	ug/L			04/20/17 03:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 03:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 03:42	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 03:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 03:42	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 03:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 03:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 03:42	1
Trichloroethene	ND		1.0	0.46	ug/L			04/20/17 03:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 03:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 03:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/20/17 03:42*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/20/17 03:42*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*04/20/17 03:42*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*04/20/17 03:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**354**		5.0	2.8	mg/L			04/21/17 23:04	10
Sulfate	**238**		20.0	3.5	mg/L			04/24/17 22:47	10
Alkalinity, Bicarbonate	**282**		50.0	20.0	mg/L			04/18/17 15:41	5
Nitrate as N	ND		0.050	0.020	mg/L			04/12/17 21:32	1
Nitrite as N	ND		0.050	0.020	mg/L			04/12/17 21:32	1
Sulfide	**0.18**		0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**2.5**		1.0	0.43	mg/L			04/17/17 09:15	1

Client Sample ID: MW 5D 041217

Lab Sample ID: 480-116100-9

Date Collected: 04/12/17 10:45

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 04:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 04:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 04:09	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 04:09	1
1,1-Dichloroethane	**0.56**	**J**	1.0	0.38	ug/L			04/20/17 04:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 04:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 04:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 04:09	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 04:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 04:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 04:09	1

Client Sample ID: MW 5D 041217
Date Collected: 04/12/17 10:45
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 04:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 04:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 04:09	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 04:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 04:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 04:09	1
Acetone	ND		10	3.0	ug/L			04/20/17 04:09	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 04:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 04:09	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 04:09	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 04:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 04:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 04:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 04:09	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 04:09	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 04:09	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 04:09	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 04:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/20/17 04:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 04:09	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 04:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 04:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 04:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 04:09	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 04:09	1
Methyl tert-butyl ether	**0.35**	**J**	1.0	0.16	ug/L			04/20/17 04:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 04:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 04:09	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 04:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 04:09	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 04:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 04:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 04:09	1
Trichloroethene	ND		1.0	0.46	ug/L			04/20/17 04:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 04:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 04:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/20/17 04:09*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/20/17 04:09*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*04/20/17 04:09*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*04/20/17 04:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**217**		2.5	1.4	mg/L			04/21/17 23:12	5
Sulfate	**182**		10.0	1.7	mg/L			04/24/17 22:55	5
Alkalinity, Bicarbonate	**322**		50.0	20.0	mg/L			04/18/17 15:43	5
Nitrate as N	ND		0.050	0.020	mg/L			04/12/17 21:33	1

Client Sample ID: MW 5D 041217

Lab Sample ID: 480-116100-9

Date Collected: 04/12/17 10:45

Matrix: Water

Date Received: 04/12/17 17:30

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			04/12/17 21:33	1
Sulfide	**0.16**		0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**2.6**		1.0	0.43	mg/L			04/17/17 09:30	1

Client Sample ID: MW 7DD 041217

Lab Sample ID: 480-116100-10

Date Collected: 04/12/17 11:50

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 04:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 04:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 04:36	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 04:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 04:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 04:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 04:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 04:36	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 04:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 04:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 04:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 04:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 04:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 04:36	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 04:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 04:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 04:36	1
Acetone	ND		10	3.0	ug/L			04/20/17 04:36	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 04:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 04:36	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 04:36	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 04:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 04:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 04:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 04:36	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 04:36	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 04:36	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 04:36	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 04:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/20/17 04:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 04:36	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 04:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 04:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 04:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 04:36	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 04:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/20/17 04:36	1

Client Sample ID: MW 7DD 041217

Date Collected: 04/12/17 11:50
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-10
Matrix: Water

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			04/20/17 04:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 04:36	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 04:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 04:36	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 04:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 04:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 04:36	1
Trichloroethene	**0.78**	**J**	1.0	0.46	ug/L			04/20/17 04:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 04:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 04:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*04/20/17 04:36*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/20/17 04:36*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*04/20/17 04:36*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*04/20/17 04:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.1**		2.5	1.4	mg/L			04/26/17 09:49	5
Sulfate	**75.1**		10.0	1.7	mg/L			04/26/17 09:49	5
Alkalinity, Bicarbonate	**207**		30.0	12.0	mg/L			04/18/17 16:04	3
Nitrate as N	**0.38**		0.050	0.020	mg/L			04/13/17 01:58	1
Nitrite as N	ND		0.050	0.020	mg/L			04/13/17 01:58	1
Sulfide	**0.34**		0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**2.8**		1.0	0.43	mg/L			04/17/17 09:44	1

Client Sample ID: MW 5S 041217

Date Collected: 04/12/17 12:10
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-11
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	**1.2**		1.0	0.82	ug/L			04/20/17 18:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 18:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 18:31	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 18:31	1
1,1-Dichloroethane	**6.0**		1.0	0.38	ug/L			04/20/17 18:31	1
1,1-Dichloroethene	**0.45**	**J**	1.0	0.29	ug/L			04/20/17 18:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 18:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 18:31	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 18:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 18:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 18:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 18:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 18:31	1

Client Sample ID: MW 5S 041217
Date Collected: 04/12/17 12:10
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-11
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			04/20/17 18:31	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 18:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 18:31	1
Acetone	ND		10	3.0	ug/L			04/20/17 18:31	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 18:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 18:31	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 18:31	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 18:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 18:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 18:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 18:31	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 18:31	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 18:31	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 18:31	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 18:31	1
cis-1,2-Dichloroethene	**5.6**		1.0	0.81	ug/L			04/20/17 18:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 18:31	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 18:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 18:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 18:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 18:31	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 18:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/20/17 18:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 18:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 18:31	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 18:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 18:31	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 18:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 18:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 18:31	1
Trichloroethene	**2.2**		1.0	0.46	ug/L			04/20/17 18:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 18:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 18:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/20/17 18:31*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*04/20/17 18:31*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/20/17 18:31*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*04/20/17 18:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.3**		1.0	0.56	mg/L			04/21/17 18:40	2
Sulfate	**169**		4.0	0.70	mg/L			04/21/17 18:40	2
Alkalinity, Bicarbonate	**228**		50.0	20.0	mg/L			04/18/17 15:43	5
Nitrate as N	**0.071**		0.050	0.020	mg/L			04/13/17 02:02	1
Nitrite as N	ND		0.050	0.020	mg/L			04/13/17 02:02	1
Sulfide	**0.060**	**J**	0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	2.7		1.0	0.43	mg/L			04/17/17 09:59	1

Client Sample ID: MW 7S 041217

Lab Sample ID: 480-116100-12

Date Collected: 04/12/17 13:45

Matrix: Water

Date Received: 04/12/17 17:30

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			04/20/17 05:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 05:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 05:30	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 05:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 05:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 05:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 05:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 05:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 05:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 05:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 05:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 05:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 05:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 05:30	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 05:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 05:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 05:30	1
Acetone	ND		10	3.0	ug/L			04/20/17 05:30	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 05:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 05:30	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 05:30	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 05:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 05:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 05:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 05:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 05:30	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 05:30	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 05:30	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 05:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/20/17 05:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 05:30	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 05:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 05:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 05:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 05:30	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 05:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/20/17 05:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 05:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 05:30	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 05:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 05:30	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 05:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 05:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 05:30	1
Trichloroethene	1.0		1.0	0.46	ug/L			04/20/17 05:30	1

Client Sample ID: MW 7S 041217

Lab Sample ID: 480-116100-12
Date Collected: 04/12/17 13:45
Matrix: Water
Date Received: 04/12/17 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 05:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 05:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/20/17 05:30*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/20/17 05:30*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/20/17 05:30*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*04/20/17 05:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**56.0**		1.0	0.56	mg/L			04/21/17 18:55	2
Sulfate	**134**		4.0	0.70	mg/L			04/21/17 18:55	2
Alkalinity, Bicarbonate	**247**		50.0	20.0	mg/L			04/18/17 15:44	5
Nitrate as N	**1.7**		0.050	0.020	mg/L			04/13/17 02:03	1
Nitrite as N	ND		0.050	0.020	mg/L			04/13/17 02:03	1
Sulfide	**0.060**	**J**	0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**6.0**		1.0	0.43	mg/L			04/17/17 10:15	1

Client Sample ID: MW 8S 041217

Lab Sample ID: 480-116100-13
Date Collected: 04/12/17 14:10
Matrix: Water
Date Received: 04/12/17 17:30

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			04/20/17 05:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 05:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 05:57	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 05:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 05:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 05:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 05:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 05:57	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 05:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 05:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 05:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 05:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 05:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 05:57	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 05:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 05:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 05:57	1
Acetone	ND		10	3.0	ug/L			04/20/17 05:57	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 05:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 05:57	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 05:57	1

Client Sample ID: MW 8S 041217
Date Collected: 04/12/17 14:10
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 05:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 05:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 05:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 05:57	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 05:57	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 05:57	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 05:57	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 05:57	1
cis-1,2-Dichloroethene	**2.1**		1.0	0.81	ug/L			04/20/17 05:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 05:57	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 05:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 05:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 05:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 05:57	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 05:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/20/17 05:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 05:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 05:57	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 05:57	1
Tetrachloroethene	**0.61**	**J**	1.0	0.36	ug/L			04/20/17 05:57	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 05:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 05:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 05:57	1
Trichloroethene	**3.5**		1.0	0.46	ug/L			04/20/17 05:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 05:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 05:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*04/20/17 05:57*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/20/17 05:57*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*04/20/17 05:57*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*04/20/17 05:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.4**		1.0	0.56	mg/L			04/21/17 19:09	2
Sulfate	**60.0**		4.0	0.70	mg/L			04/21/17 19:09	2
Alkalinity, Bicarbonate	**170**		30.0	12.0	mg/L			04/18/17 15:55	3
Nitrate as N	**0.067**		0.050	0.020	mg/L			04/13/17 02:04	1
Nitrite as N	ND		0.050	0.020	mg/L			04/13/17 02:04	1
Sulfide	**0.060**	**J**	0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**1.4**		1.0	0.43	mg/L			04/17/17 10:30	1

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

TestAmerica Job ID: 480-116100-1

Client Sample ID: MW 7D 041217
Date Collected: 04/12/17 15:40
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-14
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			04/20/17 06:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 06:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 06:23	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 06:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 06:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 06:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 06:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 06:23	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 06:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 06:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 06:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 06:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 06:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 06:23	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 06:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 06:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 06:23	1
Acetone	ND		10	3.0	ug/L			04/20/17 06:23	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 06:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 06:23	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 06:23	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 06:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 06:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 06:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 06:23	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 06:23	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 06:23	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 06:23	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 06:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/20/17 06:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 06:23	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 06:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 06:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 06:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 06:23	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 06:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/20/17 06:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 06:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 06:23	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 06:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 06:23	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 06:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 06:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 06:23	1
Trichloroethene	**1.1**		1.0	0.46	ug/L			04/20/17 06:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 06:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 06:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 06:23	1

Client Sample ID: MW 7D 041217

Date Collected: 04/12/17 15:40
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-14

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/20/17 06:23*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/20/17 06:23*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/20/17 06:23*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*04/20/17 06:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.2**		1.0	0.56	mg/L			04/21/17 19:24	2
Sulfate	**58.8**		4.0	0.70	mg/L			04/21/17 19:24	2
Alkalinity, Bicarbonate	**183**		30.0	12.0	mg/L			04/18/17 16:09	3
Nitrate as N	**0.61**		0.050	0.020	mg/L			04/13/17 02:05	1
Nitrite as N	ND		0.050	0.020	mg/L			04/13/17 02:05	1
Sulfide	**0.070**	**J**	0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**2.9**		1.0	0.43	mg/L			04/17/17 10:46	1

Surrogate Summary

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

TestAmerica Job ID: 480-116100-1

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	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-116100-1	MW-6D 041117	104	100	108	108
480-116100-2	MW 6DD 041117	104	99	108	112
480-116100-3	MW 1S 041117	101	98	108	111
480-116100-4	X-1 041117	100	97	106	108
480-116100-5	MW 6S 041117	104	100	107	112
480-116100-6	MW 1D 041117	100	99	105	109
480-116100-6 MS	MW 1D 041117	99	100	107	110
480-116100-6 MSD	MW 1D 041117	100	102	110	108
480-116100-7	MW 10S 041117	105	101	106	113
480-116100-8	MW 10D 041217	102	98	106	111
480-116100-9	MW 5D 041217	105	98	103	113
480-116100-10	MW 7DD 041217	108	99	107	115
480-116100-11	MW 5S 041217	104	95	102	112
480-116100-12	MW 7S 041217	106	97	102	110
480-116100-13	MW 8S 041217	104	98	106	109
480-116100-14	MW 7D 041217	103	97	102	110
LCS 480-352919/4	Lab Control Sample	95	102	108	107
LCS 480-353013/4	Lab Control Sample	99	99	106	110
MB 480-352919/6	Method Blank	100	100	108	107
MB 480-353013/6	Method Blank	103	96	105	112

Surrogate Legend

12DCE = 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 480-352919/6
Matrix: Water
Analysis Batch: 352919

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			04/19/17 22:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/17 22:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/17 22:13	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/19/17 22:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/19/17 22:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/17 22:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/17 22:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/17 22:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/19/17 22:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/17 22:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/17 22:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/17 22:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/17 22:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/17 22:13	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/17 22:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/17 22:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/17 22:13	1
Acetone	ND		10	3.0	ug/L			04/19/17 22:13	1
Benzene	ND		1.0	0.41	ug/L			04/19/17 22:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/17 22:13	1
Bromoform	ND		1.0	0.26	ug/L			04/19/17 22:13	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/17 22:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/19/17 22:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/17 22:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/17 22:13	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/19/17 22:13	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/17 22:13	1
Chloroform	ND		1.0	0.34	ug/L			04/19/17 22:13	1
Chloromethane	ND		1.0	0.35	ug/L			04/19/17 22:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/19/17 22:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/17 22:13	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/17 22:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/17 22:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/17 22:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/17 22:13	1
Methyl acetate	ND		1.3	1.3	ug/L			04/19/17 22:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/17 22:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/17 22:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/17 22:13	1
Styrene	ND		1.0	0.73	ug/L			04/19/17 22:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/17 22:13	1
Toluene	ND		1.0	0.51	ug/L			04/19/17 22:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/19/17 22:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/17 22:13	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/17 22:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/17 22:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/17 22:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/17 22:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*04/19/17 22:13*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/19/17 22:13*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*04/19/17 22:13*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*04/19/17 22:13*	*1*

Lab Sample ID: LCS 480-352919/4
Matrix: Water
Analysis Batch: 352919

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	22.8		ug/L		91	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	76 - 120
1,1,2-Trichloroethane	25.0	22.9		ug/L		92	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	23.3		ug/L		93	61 - 148
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	22.9		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	23.2		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	18.3		ug/L		73	56 - 134
1,2-Dibromoethane (EDB)	25.0	23.4		ug/L		93	77 - 120
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	21.9		ug/L		88	75 - 120
1,2-Dichloropropane	25.0	24.9		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	23.4		ug/L		94	80 - 120
2-Hexanone	125	127		ug/L		101	65 - 127
2-Butanone (MEK)	125	134		ug/L		107	57 - 140
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	144		ug/L		115	56 - 142
Benzene	25.0	24.2		ug/L		97	71 - 124
Bromodichloromethane	25.0	22.6		ug/L		90	80 - 122
Bromoform	25.0	20.0		ug/L		80	61 - 132
Bromomethane	25.0	19.2		ug/L		77	55 - 144
Carbon disulfide	25.0	22.3		ug/L		89	59 - 134
Carbon tetrachloride	25.0	21.6		ug/L		87	72 - 134
Chlorobenzene	25.0	23.2		ug/L		93	80 - 120
Chlorodibromomethane	25.0	21.8		ug/L		87	75 - 125
Chloroethane	25.0	18.9		ug/L		76	69 - 136
Chloroform	25.0	22.4		ug/L		90	73 - 127
Chloromethane	25.0	24.4		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	22.4		ug/L		89	74 - 124
Cyclohexane	25.0	25.4		ug/L		101	59 - 135
Dichlorodifluoromethane	25.0	22.5		ug/L		90	59 - 135
Ethylbenzene	25.0	22.6		ug/L		91	77 - 123
Isopropylbenzene	25.0	22.4		ug/L		89	77 - 122
Methyl acetate	125	111		ug/L		89	74 - 133
Methyl tert-butyl ether	25.0	21.1		ug/L		85	77 - 120
Methylcyclohexane	25.0	23.4		ug/L		94	68 - 134
Methylene Chloride	25.0	25.9		ug/L		104	75 - 124
Styrene	25.0	23.1		ug/L		92	80 - 120
Tetrachloroethene	25.0	27.5		ug/L		110	74 - 122
Toluene	25.0	23.5		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	21.1		ug/L		84	80 - 120

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

Lab Sample ID: LCS 480-352919/4
Matrix: Water
Analysis Batch: 352919

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Trichloroethene			25.0	24.4		ug/L		98	74 - 123		
Trichlorofluoromethane			25.0	24.3		ug/L		97	62 - 150		
Vinyl chloride			25.0	21.7		ug/L		87	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: 480-116100-6 MS
Matrix: Water
Analysis Batch: 352919

Client Sample ID: MW 1D 041117
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	27.0		ug/L		108	73 - 126		
1,1,2,2-Tetrachloroethane	ND		25.0	25.3		ug/L		101	76 - 120		
1,1,2-Trichloroethane	ND		25.0	26.2		ug/L		105	76 - 122		
1,1,2-Trichlorotrifluoroethane	ND		25.0	24.5		ug/L		98	61 - 148		
1,1-Dichloroethane	ND		25.0	26.8		ug/L		107	77 - 120		
1,1-Dichloroethene	ND		25.0	27.4		ug/L		110	66 - 127		
1,2,4-Trichlorobenzene	ND		25.0	25.4		ug/L		102	79 - 122		
1,2-Dibromo-3-Chloropropane	ND		25.0	18.4		ug/L		74	56 - 134		
1,2-Dibromoethane (EDB)	ND		25.0	25.5		ug/L		102	77 - 120		
1,2-Dichlorobenzene	ND		25.0	25.3		ug/L		101	80 - 124		
1,2-Dichloroethane	ND		25.0	24.2		ug/L		97	75 - 120		
1,2-Dichloropropane	ND		25.0	28.4		ug/L		113	76 - 120		
1,3-Dichlorobenzene	ND		25.0	24.7		ug/L		99	77 - 120		
1,4-Dichlorobenzene	ND		25.0	25.4		ug/L		101	78 - 124		
2-Hexanone	ND		125	130		ug/L		104	65 - 127		
2-Butanone (MEK)	ND		125	132		ug/L		106	57 - 140		
4-Methyl-2-pentanone (MIBK)	ND		125	126		ug/L		101	71 - 125		
Acetone	ND		125	113		ug/L		90	56 - 142		
Benzene	ND		25.0	28.0		ug/L		112	71 - 124		
Bromodichloromethane	ND		25.0	25.4		ug/L		102	80 - 122		
Bromoform	ND		25.0	23.6		ug/L		95	61 - 132		
Bromomethane	ND		25.0	19.4		ug/L		78	55 - 144		
Carbon disulfide	0.22	J	25.0	26.7		ug/L		106	59 - 134		
Carbon tetrachloride	ND		25.0	24.3		ug/L		97	72 - 134		
Chlorobenzene	ND		25.0	25.4		ug/L		101	80 - 120		
Chlorodibromomethane	ND		25.0	23.8		ug/L		95	75 - 125		
Chloroethane	ND		25.0	21.2		ug/L		85	69 - 136		
Chloroform	ND		25.0	25.8		ug/L		103	73 - 127		
Chloromethane	ND		25.0	18.9		ug/L		76	68 - 124		
cis-1,2-Dichloroethene	ND		25.0	27.4		ug/L		110	74 - 124		
cis-1,3-Dichloropropene	ND		25.0	22.7		ug/L		91	74 - 124		
Cyclohexane	ND		25.0	27.4		ug/L		110	59 - 135		
Dichlorodifluoromethane	ND		25.0	23.2		ug/L		93	59 - 135		

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

Lab Sample ID: 480-116100-6 MS
Matrix: Water
Analysis Batch: 352919

Client Sample ID: MW 1D 041117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND		25.0	24.7		ug/L		99	77 - 123
Isopropylbenzene	ND		25.0	24.6		ug/L		99	77 - 122
Methyl acetate	ND		125	114		ug/L		91	74 - 133
Methyl tert-butyl ether	0.68	J	25.0	24.7		ug/L		96	77 - 120
Methylcyclohexane	ND		25.0	24.6		ug/L		99	68 - 134
Methylene Chloride	ND		25.0	29.2		ug/L		117	75 - 124
Styrene	ND		25.0	24.5		ug/L		98	80 - 120
Tetrachloroethene	ND		25.0	30.1		ug/L		120	74 - 122
Toluene	ND		25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	ND		25.0	27.9		ug/L		112	73 - 127
trans-1,3-Dichloropropene	ND		25.0	20.0		ug/L		80	80 - 120
Trichloroethene	ND		25.0	27.3		ug/L		109	74 - 123
Trichlorofluoromethane	ND		25.0	25.8		ug/L		103	62 - 150
Vinyl chloride	ND		25.0	23.9		ug/L		95	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*

Lab Sample ID: 480-116100-6 MSD
Matrix: Water
Analysis Batch: 352919

Client Sample ID: MW 1D 041117
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	25.7		ug/L		103	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		25.0	25.1		ug/L		100	76 - 120	1	15
1,1,2-Trichloroethane	ND		25.0	25.9		ug/L		104	76 - 122	1	15
1,1,2-Trichlorotrifluoroethane	ND		25.0	24.2		ug/L		97	61 - 148	1	20
1,1-Dichloroethane	ND		25.0	26.4		ug/L		106	77 - 120	1	20
1,1-Dichloroethene	ND		25.0	26.8		ug/L		107	66 - 127	2	16
1,2,4-Trichlorobenzene	ND		25.0	26.0		ug/L		104	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		25.0	19.6		ug/L		78	56 - 134	6	15
1,2-Dibromoethane (EDB)	ND		25.0	25.4		ug/L		101	77 - 120	0	15
1,2-Dichlorobenzene	ND		25.0	24.5		ug/L		98	80 - 124	3	20
1,2-Dichloroethane	ND		25.0	24.1		ug/L		96	75 - 120	0	20
1,2-Dichloropropane	ND		25.0	27.0		ug/L		108	76 - 120	5	20
1,3-Dichlorobenzene	ND		25.0	25.6		ug/L		102	77 - 120	4	20
1,4-Dichlorobenzene	ND		25.0	24.5		ug/L		98	78 - 124	3	20
2-Hexanone	ND		125	132		ug/L		106	65 - 127	1	15
2-Butanone (MEK)	ND		125	131		ug/L		105	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	131		ug/L		105	71 - 125	3	35
Acetone	ND		125	122		ug/L		98	56 - 142	8	15
Benzene	ND		25.0	26.2		ug/L		105	71 - 124	6	13
Bromodichloromethane	ND		25.0	25.2		ug/L		101	80 - 122	1	15
Bromoform	ND		25.0	24.4		ug/L		98	61 - 132	3	15
Bromomethane	ND		25.0	17.8		ug/L		71	55 - 144	9	15

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

Lab Sample ID: 480-116100-6 MSD
Matrix: Water
Analysis Batch: 352919

Client Sample ID: MW 1D 041117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	0.22	J	25.0	25.5		ug/L		101	59 - 134	5	15
Carbon tetrachloride	ND		25.0	23.2		ug/L		93	72 - 134	5	15
Chlorobenzene	ND		25.0	25.4		ug/L		102	80 - 120	0	25
Chlorodibromomethane	ND		25.0	24.7		ug/L		99	75 - 125	4	15
Chloroethane	ND		25.0	20.9		ug/L		84	69 - 136	1	15
Chloroform	ND		25.0	24.8		ug/L		99	73 - 127	4	20
Chloromethane	ND		25.0	18.1		ug/L		73	68 - 124	4	15
cis-1,2-Dichloroethene	ND		25.0	25.6		ug/L		102	74 - 124	7	15
cis-1,3-Dichloropropene	ND		25.0	22.9		ug/L		92	74 - 124	1	15
Cyclohexane	ND		25.0	27.2		ug/L		109	59 - 135	1	20
Dichlorodifluoromethane	ND		25.0	21.3		ug/L		85	59 - 135	9	20
Ethylbenzene	ND		25.0	24.6		ug/L		99	77 - 123	0	15
Isopropylbenzene	ND		25.0	23.8		ug/L		95	77 - 122	3	20
Methyl acetate	ND		125	112		ug/L		90	74 - 133	1	20
Methyl tert-butyl ether	0.68	J	25.0	24.3		ug/L		94	77 - 120	2	37
Methylcyclohexane	ND		25.0	24.6		ug/L		99	68 - 134	0	20
Methylene Chloride	ND		25.0	27.7		ug/L		111	75 - 124	5	15
Styrene	ND		25.0	24.6		ug/L		99	80 - 120	0	20
Tetrachloroethene	ND		25.0	29.4		ug/L		117	74 - 122	2	20
Toluene	ND		25.0	25.5		ug/L		102	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	27.1		ug/L		108	73 - 127	3	20
trans-1,3-Dichloropropene	ND		25.0	20.8		ug/L		83	80 - 120	4	15
Trichloroethene	ND		25.0	26.5		ug/L		106	74 - 123	3	16
Trichlorofluoromethane	ND		25.0	24.5		ug/L		98	62 - 150	5	20
Vinyl chloride	ND		25.0	21.5		ug/L		86	65 - 133	11	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: MB 480-353013/6
Matrix: Water
Analysis Batch: 353013

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			04/20/17 10:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/17 10:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/17 10:45	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/20/17 10:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/17 10:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/17 10:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/17 10:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/17 10:45	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/20/17 10:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/17 10:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/17 10:45	1

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

Lab Sample ID: MB 480-353013/6
Matrix: Water
Analysis Batch: 353013

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/17 10:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/17 10:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/17 10:45	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/17 10:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/17 10:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/17 10:45	1
Acetone	ND		10	3.0	ug/L			04/20/17 10:45	1
Benzene	ND		1.0	0.41	ug/L			04/20/17 10:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/17 10:45	1
Bromoform	ND		1.0	0.26	ug/L			04/20/17 10:45	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/17 10:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/17 10:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/17 10:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/17 10:45	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/20/17 10:45	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/17 10:45	1
Chloroform	ND		1.0	0.34	ug/L			04/20/17 10:45	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/17 10:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/20/17 10:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/17 10:45	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/17 10:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/17 10:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/17 10:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/17 10:45	1
Methyl acetate	ND		1.3	1.3	ug/L			04/20/17 10:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/20/17 10:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/17 10:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/17 10:45	1
Styrene	ND		1.0	0.73	ug/L			04/20/17 10:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/17 10:45	1
Toluene	ND		1.0	0.51	ug/L			04/20/17 10:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/17 10:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/17 10:45	1
Trichloroethene	ND		1.0	0.46	ug/L			04/20/17 10:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/17 10:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/17 10:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/17 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/20/17 10:45*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/20/17 10:45*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*04/20/17 10:45*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*04/20/17 10:45*	*1*

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

Lab Sample ID: LCS 480-353013/4
Matrix: Water
Analysis Batch: 353013

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	23.7		ug/L		95	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L		98	76 - 120
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	24.4		ug/L		98	61 - 148
1,1-Dichloroethane	25.0	24.5		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	24.9		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	24.7		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	19.6		ug/L		78	56 - 134
1,2-Dibromoethane (EDB)	25.0	24.1		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	24.4		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	27.3		ug/L		109	76 - 120
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 120
2-Hexanone	125	131		ug/L		104	65 - 127
2-Butanone (MEK)	125	143		ug/L		115	57 - 140
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	145		ug/L		116	56 - 142
Benzene	25.0	25.8		ug/L		103	71 - 124
Bromodichloromethane	25.0	24.0		ug/L		96	80 - 122
Bromoform	25.0	21.9		ug/L		87	61 - 132
Bromomethane	25.0	19.3		ug/L		77	55 - 144
Carbon disulfide	25.0	23.4		ug/L		94	59 - 134
Carbon tetrachloride	25.0	21.7		ug/L		87	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Chlorodibromomethane	25.0	22.2		ug/L		89	75 - 125
Chloroethane	25.0	20.3		ug/L		81	69 - 136
Chloroform	25.0	24.1		ug/L		96	73 - 127
Chloromethane	25.0	25.7		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		97	74 - 124
Cyclohexane	25.0	26.5		ug/L		106	59 - 135
Dichlorodifluoromethane	25.0	25.6		ug/L		103	59 - 135
Ethylbenzene	25.0	23.1		ug/L		92	77 - 123
Isopropylbenzene	25.0	22.8		ug/L		91	77 - 122
Methyl acetate	125	119		ug/L		95	74 - 133
Methyl tert-butyl ether	25.0	22.9		ug/L		92	77 - 120
Methylcyclohexane	25.0	25.5		ug/L		102	68 - 134
Methylene Chloride	25.0	27.6		ug/L		110	75 - 124
Styrene	25.0	23.4		ug/L		93	80 - 120
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	23.9		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	20.9		ug/L		84	80 - 120
Trichloroethene	25.0	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	27.2		ug/L		109	62 - 150
Vinyl chloride	25.0	23.8		ug/L		95	65 - 133

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

Lab Sample ID: LCS 480-353013/4
Matrix: Water
Analysis Batch: 353013

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)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-353353/28
Matrix: Water
Analysis Batch: 353353

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			04/21/17 20:45	1

Lab Sample ID: LCS 480-353353/27
Matrix: Water
Analysis Batch: 353353

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	49.16		mg/L		98	90 - 110

Lab Sample ID: 480-116100-6 MS
Matrix: Water
Analysis Batch: 353353

Client Sample ID: MW 1D 041117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	252		250	493.1		mg/L		96	81 - 120

Lab Sample ID: 480-116100-6 MSD
Matrix: Water
Analysis Batch: 353353

Client Sample ID: MW 1D 041117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	252		250	492.6		mg/L		96	81 - 120	0	20

Lab Sample ID: MB 480-353362/4
Matrix: Water
Analysis Batch: 353362

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			04/21/17 18:25	1
Sulfate	ND		2.0	0.35	mg/L			04/21/17 18:25	1

Lab Sample ID: LCS 480-353362/3
Matrix: Water
Analysis Batch: 353362

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	50.50		mg/L		101	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-353362/3
Matrix: Water
Analysis Batch: 353362

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	50.16		mg/L		100	90 - 110

Lab Sample ID: MB 480-353748/28
Matrix: Water
Analysis Batch: 353748

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			04/25/17 00:32	1
Sulfate	0.624	J	2.0	0.35	mg/L			04/25/17 00:32	1

Lab Sample ID: MB 480-353748/4
Matrix: Water
Analysis Batch: 353748

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			04/24/17 21:17	1
Sulfate	ND		2.0	0.35	mg/L			04/24/17 21:17	1

Lab Sample ID: LCS 480-353748/27
Matrix: Water
Analysis Batch: 353748

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	49.76		mg/L		100	90 - 110
Sulfate	50.0	46.23		mg/L		92	90 - 110

Lab Sample ID: LCS 480-353748/3
Matrix: Water
Analysis Batch: 353748

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	49.42		mg/L		99	90 - 110
Sulfate	50.0	46.06		mg/L		92	90 - 110

Lab Sample ID: 480-116100-6 MS
Matrix: Water
Analysis Batch: 353748

Client Sample ID: MW 1D 041117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	132		250	381.8		mg/L		100	80 - 120

Lab Sample ID: 480-116100-6 MSD
Matrix: Water
Analysis Batch: 353748

Client Sample ID: MW 1D 041117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	132		250	388.1		mg/L		102	80 - 120	2	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 480-354021/4
Matrix: Water
Analysis Batch: 354021

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			04/26/17 08:03	1
Sulfate	ND		2.0	0.35	mg/L			04/26/17 08:03	1

Lab Sample ID: LCS 480-354021/3
Matrix: Water
Analysis Batch: 354021

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	49.92		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 480-352693/24
Matrix: Water
Analysis Batch: 352693

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			04/18/17 15:31	1

Lab Sample ID: MB 480-352693/36
Matrix: Water
Analysis Batch: 352693

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			04/18/17 15:41	1

Lab Sample ID: MB 480-352693/44
Matrix: Water
Analysis Batch: 352693

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			04/18/17 15:45	1

Lab Sample ID: MB 480-352693/54
Matrix: Water
Analysis Batch: 352693

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			04/18/17 15:53	1

Lab Sample ID: MB 480-352693/66
Matrix: Water
Analysis Batch: 352693

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			04/18/17 16:05	1

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-351678/3
Matrix: Water
Analysis Batch: 351678

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			04/13/17 01:48	1

Lab Sample ID: LCS 480-351678/4
Matrix: Water
Analysis Batch: 351678

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	1.52		mg/L		101	90 - 110

Lab Sample ID: 480-116100-6 MS
Matrix: Water
Analysis Batch: 351678

Client Sample ID: MW 1D 041117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	ND		1.00	0.962		mg/L		96	90 - 110

Lab Sample ID: 480-116100-6 MSD
Matrix: Water
Analysis Batch: 351678

Client Sample ID: MW 1D 041117
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		1.00	0.989		mg/L		99	90 - 110	3	20

Lab Sample ID: 480-116100-14 MS
Matrix: Water
Analysis Batch: 351678

Client Sample ID: MW 7D 041217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	ND		1.00	0.997		mg/L		100	90 - 110

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 490-422765/2
Matrix: Water
Analysis Batch: 422765

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			04/17/17 13:00	1

Lab Sample ID: LCS 490-422765/3
Matrix: Water
Analysis Batch: 422765

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	1.07		mg/L		107	90 - 110

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: MB 490-422766/2
Matrix: Water
Analysis Batch: 422766

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			04/17/17 14:00	1

Lab Sample ID: LCS 490-422766/3
Matrix: Water
Analysis Batch: 422766

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	1.07		mg/L		107	90 - 110

Lab Sample ID: 480-116100-6 MS
Matrix: Water
Analysis Batch: 422766

Client Sample ID: MW 1D 041117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	0.63	F1	1.00	2.55	F1	mg/L		192	70 - 130

Lab Sample ID: 480-116100-6 MSD
Matrix: Water
Analysis Batch: 422766

Client Sample ID: MW 1D 041117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	0.63	F1	1.00	2.17	F1	mg/L		154	70 - 130	16	50

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 480-352418/3
Matrix: Water
Analysis Batch: 352418

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	ND		1.0	0.43	mg/L			04/17/17 05:30	1

Lab Sample ID: LCS 480-352418/4
Matrix: Water
Analysis Batch: 352418

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon	60.0	57.21		mg/L		95	90 - 110

Lab Sample ID: 480-116100-6 MS
Matrix: Water
Analysis Batch: 352418

Client Sample ID: MW 1D 041117
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon	2.4		20.0	19.51		mg/L		86	54 - 131

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: 480-116100-6 MSD
Matrix: Water
Analysis Batch: 352418

Client Sample ID: MW 1D 041117
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	2.4		20.0	18.82		mg/L		82	54 - 131	4	20

GC/MS VOA

Analysis Batch: 352919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-1	MW-6D 041117	Total/NA	Water	8260C	
480-116100-2	MW 6DD 041117	Total/NA	Water	8260C	
480-116100-3	MW 1S 041117	Total/NA	Water	8260C	
480-116100-4	X-1 041117	Total/NA	Water	8260C	
480-116100-5	MW 6S 041117	Total/NA	Water	8260C	
480-116100-6	MW 1D 041117	Total/NA	Water	8260C	
480-116100-7	MW 10S 041117	Total/NA	Water	8260C	
480-116100-8	MW 10D 041217	Total/NA	Water	8260C	
480-116100-9	MW 5D 041217	Total/NA	Water	8260C	
480-116100-10	MW 7DD 041217	Total/NA	Water	8260C	
480-116100-12	MW 7S 041217	Total/NA	Water	8260C	
480-116100-13	MW 8S 041217	Total/NA	Water	8260C	
480-116100-14	MW 7D 041217	Total/NA	Water	8260C	
MB 480-352919/6	Method Blank	Total/NA	Water	8260C	
LCS 480-352919/4	Lab Control Sample	Total/NA	Water	8260C	
480-116100-6 MS	MW 1D 041117	Total/NA	Water	8260C	
480-116100-6 MSD	MW 1D 041117	Total/NA	Water	8260C	

Analysis Batch: 353013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-11	MW 5S 041217	Total/NA	Water	8260C	
MB 480-353013/6	Method Blank	Total/NA	Water	8260C	
LCS 480-353013/4	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 351678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-2	MW 6DD 041117	Total/NA	Water	353.2	
480-116100-3	MW 1S 041117	Total/NA	Water	353.2	
480-116100-4	X-1 041117	Total/NA	Water	353.2	
480-116100-5	MW 6S 041117	Total/NA	Water	353.2	
480-116100-6	MW 1D 041117	Total/NA	Water	353.2	
480-116100-10	MW 7DD 041217	Total/NA	Water	353.2	
480-116100-11	MW 5S 041217	Total/NA	Water	353.2	
480-116100-12	MW 7S 041217	Total/NA	Water	353.2	
480-116100-13	MW 8S 041217	Total/NA	Water	353.2	
480-116100-14	MW 7D 041217	Total/NA	Water	353.2	
MB 480-351678/3	Method Blank	Total/NA	Water	353.2	
LCS 480-351678/4	Lab Control Sample	Total/NA	Water	353.2	
480-116100-6 MS	MW 1D 041117	Total/NA	Water	353.2	
480-116100-6 MSD	MW 1D 041117	Total/NA	Water	353.2	
480-116100-14 MS	MW 7D 041217	Total/NA	Water	353.2	

Analysis Batch: 351682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-1	MW-6D 041117	Total/NA	Water	353.2	
480-116100-2	MW 6DD 041117	Total/NA	Water	353.2	
480-116100-3	MW 1S 041117	Total/NA	Water	353.2	
480-116100-4	X-1 041117	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 351682 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-5	MW 6S 041117	Total/NA	Water	353.2	
480-116100-6	MW 1D 041117	Total/NA	Water	353.2	
480-116100-7	MW 10S 041117	Total/NA	Water	353.2	
480-116100-8	MW 10D 041217	Total/NA	Water	353.2	
480-116100-9	MW 5D 041217	Total/NA	Water	353.2	
480-116100-10	MW 7DD 041217	Total/NA	Water	353.2	
480-116100-11	MW 5S 041217	Total/NA	Water	353.2	
480-116100-12	MW 7S 041217	Total/NA	Water	353.2	
480-116100-13	MW 8S 041217	Total/NA	Water	353.2	
480-116100-14	MW 7D 041217	Total/NA	Water	353.2	

Analysis Batch: 351684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-1	MW-6D 041117	Total/NA	Water	353.2	
480-116100-7	MW 10S 041117	Total/NA	Water	353.2	
480-116100-8	MW 10D 041217	Total/NA	Water	353.2	
480-116100-9	MW 5D 041217	Total/NA	Water	353.2	

Analysis Batch: 352418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-1	MW-6D 041117	Dissolved	Water	SM 5310C	
480-116100-2	MW 6DD 041117	Dissolved	Water	SM 5310C	
480-116100-3	MW 1S 041117	Dissolved	Water	SM 5310C	
480-116100-4	X-1 041117	Dissolved	Water	SM 5310C	
480-116100-5	MW 6S 041117	Dissolved	Water	SM 5310C	
480-116100-6	MW 1D 041117	Dissolved	Water	SM 5310C	
480-116100-7	MW 10S 041117	Dissolved	Water	SM 5310C	
480-116100-8	MW 10D 041217	Dissolved	Water	SM 5310C	
480-116100-9	MW 5D 041217	Dissolved	Water	SM 5310C	
480-116100-10	MW 7DD 041217	Dissolved	Water	SM 5310C	
480-116100-11	MW 5S 041217	Dissolved	Water	SM 5310C	
480-116100-12	MW 7S 041217	Dissolved	Water	SM 5310C	
480-116100-13	MW 8S 041217	Dissolved	Water	SM 5310C	
480-116100-14	MW 7D 041217	Dissolved	Water	SM 5310C	
MB 480-352418/3	Method Blank	Dissolved	Water	SM 5310C	
LCS 480-352418/4	Lab Control Sample	Dissolved	Water	SM 5310C	
480-116100-6 MS	MW 1D 041117	Dissolved	Water	SM 5310C	
480-116100-6 MSD	MW 1D 041117	Dissolved	Water	SM 5310C	

Analysis Batch: 352693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-1	MW-6D 041117	Total/NA	Water	310.2_ASP	
480-116100-2	MW 6DD 041117	Total/NA	Water	310.2_ASP	
480-116100-3	MW 1S 041117	Total/NA	Water	310.2_ASP	
480-116100-4	X-1 041117	Total/NA	Water	310.2_ASP	
480-116100-5	MW 6S 041117	Total/NA	Water	310.2_ASP	
480-116100-6	MW 1D 041117	Total/NA	Water	310.2_ASP	
480-116100-7	MW 10S 041117	Total/NA	Water	310.2_ASP	
480-116100-8	MW 10D 041217	Total/NA	Water	310.2_ASP	
480-116100-9	MW 5D 041217	Total/NA	Water	310.2_ASP	
480-116100-10	MW 7DD 041217	Total/NA	Water	310.2_ASP	

General Chemistry (Continued)

Analysis Batch: 352693 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-11	MW 5S 041217	Total/NA	Water	310.2_ASP	
480-116100-12	MW 7S 041217	Total/NA	Water	310.2_ASP	
480-116100-13	MW 8S 041217	Total/NA	Water	310.2_ASP	
480-116100-14	MW 7D 041217	Total/NA	Water	310.2_ASP	
MB 480-352693/24	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-352693/36	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-352693/44	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-352693/54	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-352693/66	Method Blank	Total/NA	Water	310.2_ASP	
LCS 480-352693/25	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-352693/37	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-352693/45	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-352693/55	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-352693/67	Lab Control Sample	Total/NA	Water	310.2_ASP	
480-116100-6 MS	MW 1D 041117	Total/NA	Water	310.2_ASP	
480-116100-6 MSD	MW 1D 041117	Total/NA	Water	310.2_ASP	

Analysis Batch: 353353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-1	MW-6D 041117	Total/NA	Water	300.0	
480-116100-2	MW 6DD 041117	Total/NA	Water	300.0	
480-116100-3	MW 1S 041117	Total/NA	Water	300.0	
480-116100-4	X-1 041117	Total/NA	Water	300.0	
480-116100-5	MW 6S 041117	Total/NA	Water	300.0	
480-116100-6	MW 1D 041117	Total/NA	Water	300.0	
480-116100-7	MW 10S 041117	Total/NA	Water	300.0	
480-116100-8	MW 10D 041217	Total/NA	Water	300.0	
480-116100-9	MW 5D 041217	Total/NA	Water	300.0	
MB 480-353353/28	Method Blank	Total/NA	Water	300.0	
LCS 480-353353/27	Lab Control Sample	Total/NA	Water	300.0	
480-116100-6 MS	MW 1D 041117	Total/NA	Water	300.0	
480-116100-6 MSD	MW 1D 041117	Total/NA	Water	300.0	

Analysis Batch: 353362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-11	MW 5S 041217	Total/NA	Water	300.0	
480-116100-12	MW 7S 041217	Total/NA	Water	300.0	
480-116100-13	MW 8S 041217	Total/NA	Water	300.0	
480-116100-14	MW 7D 041217	Total/NA	Water	300.0	
MB 480-353362/4	Method Blank	Total/NA	Water	300.0	
LCS 480-353362/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 353748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-1	MW-6D 041117	Total/NA	Water	300.0	
480-116100-2	MW 6DD 041117	Total/NA	Water	300.0	
480-116100-3	MW 1S 041117	Total/NA	Water	300.0	
480-116100-4	X-1 041117	Total/NA	Water	300.0	
480-116100-5	MW 6S 041117	Total/NA	Water	300.0	
480-116100-6	MW 1D 041117	Total/NA	Water	300.0	
480-116100-7	MW 10S 041117	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 353748 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-8	MW 10D 041217	Total/NA	Water	300.0	
480-116100-9	MW 5D 041217	Total/NA	Water	300.0	
MB 480-353748/28	Method Blank	Total/NA	Water	300.0	
MB 480-353748/4	Method Blank	Total/NA	Water	300.0	
LCS 480-353748/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-353748/3	Lab Control Sample	Total/NA	Water	300.0	
480-116100-6 MS	MW 1D 041117	Total/NA	Water	300.0	
480-116100-6 MSD	MW 1D 041117	Total/NA	Water	300.0	

Analysis Batch: 354021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-10	MW 7DD 041217	Total/NA	Water	300.0	
MB 480-354021/4	Method Blank	Total/NA	Water	300.0	
LCS 480-354021/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 422765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-1	MW-6D 041117	Total/NA	Water	SM 4500 S2 D	
480-116100-2	MW 6DD 041117	Total/NA	Water	SM 4500 S2 D	
480-116100-3	MW 1S 041117	Total/NA	Water	SM 4500 S2 D	
MB 490-422765/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-422765/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 422766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116100-4	X-1 041117	Total/NA	Water	SM 4500 S2 D	
480-116100-5	MW 6S 041117	Total/NA	Water	SM 4500 S2 D	
480-116100-6	MW 1D 041117	Total/NA	Water	SM 4500 S2 D	
480-116100-7	MW 10S 041117	Total/NA	Water	SM 4500 S2 D	
480-116100-8	MW 10D 041217	Total/NA	Water	SM 4500 S2 D	
480-116100-9	MW 5D 041217	Total/NA	Water	SM 4500 S2 D	
480-116100-10	MW 7DD 041217	Total/NA	Water	SM 4500 S2 D	
480-116100-11	MW 5S 041217	Total/NA	Water	SM 4500 S2 D	
480-116100-12	MW 7S 041217	Total/NA	Water	SM 4500 S2 D	
480-116100-13	MW 8S 041217	Total/NA	Water	SM 4500 S2 D	
480-116100-14	MW 7D 041217	Total/NA	Water	SM 4500 S2 D	
MB 490-422766/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-422766/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
480-116100-6 MS	MW 1D 041117	Total/NA	Water	SM 4500 S2 D	
480-116100-6 MSD	MW 1D 041117	Total/NA	Water	SM 4500 S2 D	

Lab Chronicle

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

TestAmerica Job ID: 480-116100-1

Client Sample ID: MW-6D 041117

Lab Sample ID: 480-116100-1

Date Collected: 04/11/17 09:30

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 00:34	NEA	TAL BUF
Total/NA	Analysis	300.0		5	353353	04/21/17 22:15	DMR	TAL BUF
Total/NA	Analysis	300.0		5	353748	04/24/17 21:25	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 15:41	LED	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/12/17 21:15	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351684	04/12/17 21:15	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422765	04/17/17 13:00	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 06:30	EKB	TAL BUF

Client Sample ID: MW 6DD 041117

Lab Sample ID: 480-116100-2

Date Collected: 04/11/17 11:15

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 01:01	NEA	TAL BUF
Total/NA	Analysis	300.0		10	353353	04/21/17 22:23	DMR	TAL BUF
Total/NA	Analysis	300.0		10	353748	04/24/17 21:33	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		3	352693	04/18/17 15:55	LED	TAL BUF
Total/NA	Analysis	353.2		1	351678	04/13/17 01:51	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/13/17 01:51	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422765	04/17/17 13:00	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 06:45	EKB	TAL BUF

Client Sample ID: MW 1S 041117

Lab Sample ID: 480-116100-3

Date Collected: 04/11/17 13:00

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 01:28	NEA	TAL BUF
Total/NA	Analysis	300.0		50	353353	04/21/17 22:31	DMR	TAL BUF
Total/NA	Analysis	300.0		50	353748	04/24/17 21:41	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 15:39	LED	TAL BUF
Total/NA	Analysis	353.2		1	351678	04/13/17 01:52	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/13/17 01:52	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422765	04/17/17 13:00	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 07:00	EKB	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-116100-1

Client Sample ID: X-1 041117

Date Collected: 04/11/17 00:00
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 01:55	NEA	TAL BUF
Total/NA	Analysis	300.0		50	353353	04/21/17 22:39	DMR	TAL BUF
Total/NA	Analysis	300.0		50	353748	04/24/17 21:50	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 15:39	LED	TAL BUF
Total/NA	Analysis	353.2		1	351678	04/13/17 01:53	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/13/17 01:53	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 07:15	EKB	TAL BUF

Client Sample ID: MW 6S 041117

Date Collected: 04/11/17 13:00
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 02:22	NEA	TAL BUF
Total/NA	Analysis	300.0		5	353353	04/21/17 22:47	DMR	TAL BUF
Total/NA	Analysis	300.0		5	353748	04/24/17 21:58	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 15:39	LED	TAL BUF
Total/NA	Analysis	353.2		1	351678	04/13/17 01:54	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/13/17 01:54	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 07:30	EKB	TAL BUF

Client Sample ID: MW 1D 041117

Date Collected: 04/11/17 16:30
Date Received: 04/12/17 17:30

Lab Sample ID: 480-116100-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 02:49	NEA	TAL BUF
Total/NA	Analysis	300.0		5	353353	04/21/17 21:34	DMR	TAL BUF
Total/NA	Analysis	300.0		5	353748	04/24/17 22:06	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 15:39	LED	TAL BUF
Total/NA	Analysis	353.2		1	351678	04/13/17 01:55	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/13/17 01:55	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 08:30	EKB	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-116100-1

Client Sample ID: MW 10S 041117

Lab Sample ID: 480-116100-7

Date Collected: 04/11/17 16:40

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 03:15	NEA	TAL BUF
Total/NA	Analysis	300.0		5	353353	04/21/17 22:56	DMR	TAL BUF
Total/NA	Analysis	300.0		20	353748	04/25/17 00:41	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		3	352693	04/18/17 16:04	LED	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/12/17 21:31	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351684	04/12/17 21:31	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 07:45	EKB	TAL BUF

Client Sample ID: MW 10D 041217

Lab Sample ID: 480-116100-8

Date Collected: 04/12/17 09:10

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 03:42	NEA	TAL BUF
Total/NA	Analysis	300.0		10	353353	04/21/17 23:04	DMR	TAL BUF
Total/NA	Analysis	300.0		10	353748	04/24/17 22:47	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 15:41	LED	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/12/17 21:32	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351684	04/12/17 21:32	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 09:15	EKB	TAL BUF

Client Sample ID: MW 5D 041217

Lab Sample ID: 480-116100-9

Date Collected: 04/12/17 10:45

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 04:09	NEA	TAL BUF
Total/NA	Analysis	300.0		5	353353	04/21/17 23:12	DMR	TAL BUF
Total/NA	Analysis	300.0		5	353748	04/24/17 22:55	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 15:43	LED	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/12/17 21:33	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351684	04/12/17 21:33	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 09:30	EKB	TAL BUF

Client Sample ID: MW 7DD 041217

Lab Sample ID: 480-116100-10

Date Collected: 04/12/17 11:50

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 04:36	NEA	TAL BUF
Total/NA	Analysis	300.0		5	354021	04/26/17 09:49	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		3	352693	04/18/17 16:04	LED	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/13/17 01:58	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351678	04/13/17 01:58	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 09:44	EKB	TAL BUF

Client Sample ID: MW 5S 041217

Lab Sample ID: 480-116100-11

Date Collected: 04/12/17 12:10

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	353013	04/20/17 18:31	ARS	TAL BUF
Total/NA	Analysis	300.0		2	353362	04/21/17 18:40	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 15:43	LED	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/13/17 02:02	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351678	04/13/17 02:02	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 09:59	EKB	TAL BUF

Client Sample ID: MW 7S 041217

Lab Sample ID: 480-116100-12

Date Collected: 04/12/17 13:45

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 05:30	NEA	TAL BUF
Total/NA	Analysis	300.0		2	353362	04/21/17 18:55	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 15:44	LED	TAL BUF
Total/NA	Analysis	353.2		1	351678	04/13/17 02:03	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/13/17 02:03	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 10:15	EKB	TAL BUF

Client Sample ID: MW 8S 041217

Lab Sample ID: 480-116100-13

Date Collected: 04/12/17 14:10

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 05:57	NEA	TAL BUF
Total/NA	Analysis	300.0		2	353362	04/21/17 19:09	DMR	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-116100-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	310.2_ASP		3	352693	04/18/17 15:55	LED	TAL BUF
Total/NA	Analysis	353.2		1	351678	04/13/17 02:04	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/13/17 02:04	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 10:30	EKB	TAL BUF

Client Sample ID: MW 7D 041217

Lab Sample ID: 480-116100-14

Date Collected: 04/12/17 15:40

Matrix: Water

Date Received: 04/12/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	352919	04/20/17 06:23	NEA	TAL BUF
Total/NA	Analysis	300.0		2	353362	04/21/17 19:24	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		3	352693	04/18/17 16:09	LED	TAL BUF
Total/NA	Analysis	353.2		1	351678	04/13/17 02:05	DSC	TAL BUF
Total/NA	Analysis	353.2		1	351682	04/13/17 02:05	DSC	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 10:46	EKB	TAL BUF

Laboratory References:

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

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-116100-1

Laboratory: 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	03-31-18

Analysis Method	Prep Method	Matrix	Analyte

Laboratory: 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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-116100-1

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	Nitrogen, Nitrite	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL NSH
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	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 = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = 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

TestAmerica Job ID: 480-116100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-116100-1	MW-6D 041117	Water	04/11/17 09:30	04/12/17 17:30
480-116100-2	MW 6DD 041117	Water	04/11/17 11:15	04/12/17 17:30
480-116100-3	MW 1S 041117	Water	04/11/17 13:00	04/12/17 17:30
480-116100-4	X-1 041117	Water	04/11/17 00:00	04/12/17 17:30
480-116100-5	MW 6S 041117	Water	04/11/17 13:00	04/12/17 17:30
480-116100-6	MW 1D 041117	Water	04/11/17 16:30	04/12/17 17:30
480-116100-7	MW 10S 041117	Water	04/11/17 16:40	04/12/17 17:30
480-116100-8	MW 10D 041217	Water	04/12/17 09:10	04/12/17 17:30
480-116100-9	MW 5D 041217	Water	04/12/17 10:45	04/12/17 17:30
480-116100-10	MW 7DD 041217	Water	04/12/17 11:50	04/12/17 17:30
480-116100-11	MW 5S 041217	Water	04/12/17 12:10	04/12/17 17:30
480-116100-12	MW 7S 041217	Water	04/12/17 13:45	04/12/17 17:30
480-116100-13	MW 8S 041217	Water	04/12/17 14:10	04/12/17 17:30
480-116100-14	MW 7D 041217	Water	04/12/17 15:40	04/12/17 17:30

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
TestAmerica Job ID: 480-116100-1
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	Matrix	Analyte	Units	Client RL	Lab PQL
8260C	Water	Methyl acetate	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, Alaina Fuess
Lab PM: Johnson, Orlette S
Carrier Tracking No(s):
COC No: 480-96124-22905.1

Client Contact: Mr. Yuri Veliz
Phone: ~~315-956-6100~~ AF 315-325-1300
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): Standard (10 days)
State, Zip: NY, 13221
Phone: 315-956-6100(Tel) 315-463-7554(Fax)
PO #: 11511119
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 - Nit... S
E - N... 3
F - M...)3
G - Ar
H - As ...decahydrate
I - Ice
J - DI ...
K - ED... 480-116100 COC
L - ED... ...ecify)
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	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	A	N	N	A	N	CB	X	
mw-6D 041117	4-11-17	930	G	Water			3	1	2	2	1	1		
MW 6DD 041117	4-11-17	11:15	G	Water			3	1	2	2	1	1		
mw 1S 041117	4-11-17	13:00	G	Water			3	1	2	2	1	1		
X-1 041117	4-11-17	—	G	Water			3	1	2	2	1	1		
mw 6S 041117	4-11-17	13:00	G	Water			3	1	2	2	1	1		
mw 1D 041117 (MS, MSD)	4-11-17	1630	G	Water			9	3	6	6	3	3		MS, MSD
MW 10S 041117	4-11-17	1640	G	Water			3	1	2	2	1	1		
mw 10D 041217	4-12-17	9:10	G	Water			3	1	2	2	1	1		
MW 5D 041217	4-12-17	10:45	G	Water			3	1	2	2	1	1		
MW 7DD 041217	4-12-17	1150	G	Water			3	1	2	2	1	1		
MW 5S 041217	4-12-17	1210	G	Water			3	1	2	2	1	1		

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] / AF	4/12/17; 1730	OBG	[signature]	4/12/17; 1730	
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: 3.7 4.2 3.0 #1

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 Koenneke / A. Fuess	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-96124-22905.2
Client Contact: Mr. Yuri Veliz	Phone: 315-727-1306	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): Standard(10 Days>)			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11511119			
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 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									Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	A	N	CB										
MW 7S041217	4-12-17	1345	G	Water			3	1	2	2	1	1										
MW 8S 041217	4-12-17	1410	G	Water			3	1	2	2	1	1										
MW 7D 041217	4-12-17	1540	G	Water			3	1	2	2	1	1										
				Water																		
				Water																		
				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
1	Martin Koenneke / AF	4-12-17 / 1730	OBG	Curt Cooney	4-12-17 1730	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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: 3.7 4.2 3.0 #1

Page 58 of 63

4/27/2017

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

4/27/2017

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-34277.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com	State of Origin: New York	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York		Job #: 480-116100-1
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 4/24/2017			
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	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 - 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/ Total Sulfide	Total Number of containers	Special Instructions/Note:
		Preservation Code:							
MW-6D 041117 (480-116100-1)	4/11/17	09:30 Eastern		Water			X	1	
MW 6DD 041117 (480-116100-2)	4/11/17	11:15 Eastern		Water			X	1	
MW 1S 041117 (480-116100-3)	4/11/17	13:00 Eastern		Water			X	1	
X-1 041117 (480-116100-4)	4/11/17	Eastern		Water			X	1	
MW 6S 041117 (480-116100-5)	4/11/17	13:00 Eastern		Water			X	1	
MW 1D 041117 (480-116100-6)	4/11/17	16:30 Eastern		Water			X	1	
MW 1D 041117 (480-116100-6MS)	4/11/17	16:30 Eastern	MS	Water			X	1	
MW 1D 041117 (480-116100-6MSD)	4/11/17	16:30 Eastern	MSD	Water			X	1	
MW 10S 041117 (480-116100-7)	4/11/17	16:40 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:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

4/27/2017

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-34277.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com	State of Origin: New York	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York		Job #: 480-116100-1
Address: 2960 Foster Creighton Drive,	Due Date Requested: 4/24/2017			
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	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 - 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/ Total Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW 10D 041217 (480-116100-8)	4/12/17	09:10 Eastern		Water			X	1	
MW 5D 041217 (480-116100-9)	4/12/17	10:45 Eastern		Water			X	1	
MW 7DD 041217 (480-116100-10)	4/12/17	11:50 Eastern		Water			X	1	
MW 5S 041217 (480-116100-11)	4/12/17	12:10 Eastern		Water			X	1	
MW 7S 041217 (480-116100-12)	4/12/17	13:45 Eastern		Water			X	1	
MW 8S 041217 (480-116100-13)	4/12/17	14:10 Eastern		Water			X	1	
MW 7D 041217 (480-116100-14)	4/12/17	15:40 Eastern		Water			X	1	

Loc: 480
116100

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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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:	Company	Received by:	Date/Time:	Company
C Wallace	4/13/17 1600	DAB			
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:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 480
116100

COOLER RECEIPT FORM

Cooler Received/Opened On 4/14/2017 @ 0945

Time Samples Removed From Cooler 1925 Time Samples Placed In Storage_____ (2 Hour Window)

1. Tracking #_____9401_____(last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID_160656843_ pH Strip Lot_____ Chlorine Strip Lot_____

2. Temperature of rep. sample or temp blank when opened: 5.9 *Degrees Celsius*

3. If Item #2 temperatures 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 (initial) _____

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

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 (initial) _____

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 (initial) _____

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 (initial) _____

I certify that I attached a label with the unique LIMS number to each container (initial) _____

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 12/15/15

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-116100-1

Login Number: 116100
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	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-116100-1

Login Number: 116100
List Number: 2
Creator: Armstrong, Daniel

List Source: TestAmerica Nashville
List Creation: 04/15/17 12:48 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	5.9C
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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: 480-116242-1
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. Al Farrell

Authorized for release by:
4/27/2017 11:46:08 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-116242-1

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.
*	LCS or LCSD is outside acceptance limits.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-116242-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-116242-1

Receipt
The samples were received on 4/13/2017 4:06 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

GC/MS VOA
Method(s) 8260C: The Laboratory Control Sample (LCS) for analytical batch 353527 was outside laboratory/project quality control limits for the following analyte: Trichlorofluoromethane. All other spike recoveries and quality control indicators, including sample specific surrogate recoveries, were acceptable. Reanalysis was not performed due to holding time limitations. The following samples are impacted: MW4D 041317 (480-116242-1), MW4S 041317 (480-116242-2), MW8DD 041317 (480-116242-3), MW8D 041317 (480-116242-4) and QC TRIP BLANK (480-116242-5).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-353527 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW4D 041317 (480-116242-1), MW4S 041317 (480-116242-2), MW8DD 041317 (480-116242-3), MW8D 041317 (480-116242-4) and QC TRIP BLANK (480-116242-5).

Method(s) 8260C: The initial calibration curve analyzed in analytical batch 480-353444 was outside acceptance criteria for Trichlorofluoromethane. The following samples were non detect for the affected analyte, therefore, the data has been reported: MW4D 041317 (480-116242-1), MW4S 041317 (480-116242-2), MW8DD 041317 (480-116242-3), MW8D 041317 (480-116242-4) and QC TRIP BLANK (480-116242-5).

Method(s) 8260C: The initial calibration verification (ICV) result for analytical batch 480-353444 was above the upper control limit. Sample results were non-detects, and have been reported as qualified data. The following samples were non detect for the affected analyte, therefore, the data has been reported: MW4D 041317 (480-116242-1), MW4S 041317 (480-116242-2), MW8DD 041317 (480-116242-3), MW8D 041317 (480-116242-4) and QC TRIP BLANK (480-116242-5).

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 was diluted to bring the concentration of target analytes within the calibration range: MW4D 041317 (480-116242-1), MW4S 041317 (480-116242-2), MW8DD 041317 (480-116242-3) and MW8D 041317 (480-116242-4). 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) SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 490-422766 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

TestAmerica Job ID: 480-116242-1

Client Sample ID: MW4D 041317 — Lab Sample ID: 480-116242-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.34	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	253		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	337	B	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	1.4		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.5		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW4S 041317 — Lab Sample ID: 480-116242-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	42.1		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	504		40.0	7.0	mg/L	20		300.0	Total/NA
Alkalinity, Bicarbonate	411	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.060		0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.14		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.4		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW8DD 041317 — Lab Sample ID: 480-116242-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	55.5		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	138	B	4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	259	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	1.9		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	2.6		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW8D 041317 — Lab Sample ID: 480-116242-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.66	J	1.0	0.38	ug/L	1		8260C	Total/NA
Carbon disulfide	0.24	J	1.0	0.19	ug/L	1		8260C	Total/NA
Vinyl chloride	1.6		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	132		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	184	B	10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	323	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	1.0		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	3.3		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-116242-5

No Detections.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-116242-1

Client Sample ID: MW4D 041317
Date Collected: 04/13/17 09:35
Date Received: 04/13/17 16:06

Lab Sample ID: 480-116242-1
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			04/23/17 00:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/23/17 00:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/23/17 00:43	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/23/17 00:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/23/17 00:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/23/17 00:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/23/17 00:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/23/17 00:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/23/17 00:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/23/17 00:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/23/17 00:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/23/17 00:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/23/17 00:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/23/17 00:43	1
2-Hexanone	ND		5.0	1.2	ug/L			04/23/17 00:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/23/17 00:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/23/17 00:43	1
Acetone	ND		10	3.0	ug/L			04/23/17 00:43	1
Benzene	ND		1.0	0.41	ug/L			04/23/17 00:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/23/17 00:43	1
Bromoform	ND		1.0	0.26	ug/L			04/23/17 00:43	1
Bromomethane	ND		1.0	0.69	ug/L			04/23/17 00:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/23/17 00:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/23/17 00:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/23/17 00:43	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/23/17 00:43	1
Chloroethane	ND		1.0	0.32	ug/L			04/23/17 00:43	1
Chloroform	ND		1.0	0.34	ug/L			04/23/17 00:43	1
Chloromethane	ND		1.0	0.35	ug/L			04/23/17 00:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/23/17 00:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/23/17 00:43	1
Cyclohexane	ND		1.0	0.18	ug/L			04/23/17 00:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/23/17 00:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/23/17 00:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/23/17 00:43	1
Methyl acetate	ND		1.3	1.3	ug/L			04/23/17 00:43	1
Methyl tert-butyl ether	**0.34**	**J**	1.0	0.16	ug/L			04/23/17 00:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/23/17 00:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/23/17 00:43	1
Styrene	ND		1.0	0.73	ug/L			04/23/17 00:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/23/17 00:43	1
Toluene	ND		1.0	0.51	ug/L			04/23/17 00:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/23/17 00:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/23/17 00:43	1
Trichloroethene	ND		1.0	0.46	ug/L			04/23/17 00:43	1
Trichlorofluoromethane	ND	*	1.0	0.88	ug/L			04/23/17 00:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/23/17 00:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/23/17 00:43	1

Client Sample ID: MW4D 041317

Date Collected: 04/13/17 09:35
Date Received: 04/13/17 16:06

Lab Sample ID: 480-116242-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*04/23/17 00:43*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/23/17 00:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/23/17 00:43*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*04/23/17 00:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**253**		2.5	1.4	mg/L			04/25/17 01:15	5
Sulfate	**337**	**B**	10.0	1.7	mg/L			04/25/17 01:15	5
Alkalinity, Bicarbonate	**319**	**B**	50.0	20.0	mg/L			04/18/17 18:50	5
Nitrate as N	ND		0.050	0.020	mg/L			04/14/17 01:58	1
Nitrite as N	ND		0.050	0.020	mg/L			04/14/17 01:47	1
Sulfide	**1.4**		0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**2.5**		1.0	0.43	mg/L			04/17/17 12:30	1

Client Sample ID: MW4S 041317

Date Collected: 04/13/17 11:20
Date Received: 04/13/17 16:06

Lab Sample ID: 480-116242-2
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			04/23/17 01:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/23/17 01:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/23/17 01:06	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/23/17 01:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/23/17 01:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/23/17 01:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/23/17 01:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/23/17 01:06	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/23/17 01:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/23/17 01:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/23/17 01:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/23/17 01:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/23/17 01:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/23/17 01:06	1
2-Hexanone	ND		5.0	1.2	ug/L			04/23/17 01:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/23/17 01:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/23/17 01:06	1
Acetone	ND		10	3.0	ug/L			04/23/17 01:06	1
Benzene	ND		1.0	0.41	ug/L			04/23/17 01:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/23/17 01:06	1
Bromoform	ND		1.0	0.26	ug/L			04/23/17 01:06	1
Bromomethane	ND		1.0	0.69	ug/L			04/23/17 01:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/23/17 01:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/23/17 01:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/23/17 01:06	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/23/17 01:06	1
Chloroethane	ND		1.0	0.32	ug/L			04/23/17 01:06	1

Client Sample ID: MW4S 041317

Lab Sample ID: 480-116242-2

Date Collected: 04/13/17 11:20

Matrix: Water

Date Received: 04/13/17 16:06

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			04/23/17 01:06	1
Chloromethane	ND		1.0	0.35	ug/L			04/23/17 01:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/23/17 01:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/23/17 01:06	1
Cyclohexane	ND		1.0	0.18	ug/L			04/23/17 01:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/23/17 01:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/23/17 01:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/23/17 01:06	1
Methyl acetate	ND		1.3	1.3	ug/L			04/23/17 01:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/23/17 01:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/23/17 01:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/23/17 01:06	1
Styrene	ND		1.0	0.73	ug/L			04/23/17 01:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/23/17 01:06	1
Toluene	ND		1.0	0.51	ug/L			04/23/17 01:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/23/17 01:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/23/17 01:06	1
Trichloroethene	ND		1.0	0.46	ug/L			04/23/17 01:06	1
Trichlorofluoromethane	ND	*	1.0	0.88	ug/L			04/23/17 01:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/23/17 01:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/23/17 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/23/17 01:06*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/23/17 01:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/23/17 01:06*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/23/17 01:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.1**		2.5	1.4	mg/L			04/25/17 01:30	5
Sulfate	**504**		40.0	7.0	mg/L			04/25/17 22:39	20
Alkalinity, Bicarbonate	**411**	**B**	50.0	20.0	mg/L			04/18/17 18:50	5
Nitrate as N	**0.060**		0.050	0.020	mg/L			04/14/17 00:19	1
Nitrite as N	ND		0.050	0.020	mg/L			04/14/17 00:19	1
Sulfide	**0.14**		0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**2.4**		1.0	0.43	mg/L			04/17/17 13:15	1

Client Sample ID: MW8DD 041317

Lab Sample ID: 480-116242-3

Date Collected: 04/13/17 11:30

Matrix: Water

Date Received: 04/13/17 16:06

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			04/23/17 01:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/23/17 01:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/23/17 01:29	1

Client Sample ID: MW8DD 041317
Date Collected: 04/13/17 11:30
Date Received: 04/13/17 16:06

Lab Sample ID: 480-116242-3
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-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/23/17 01:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/23/17 01:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/23/17 01:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/23/17 01:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/23/17 01:29	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/23/17 01:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/23/17 01:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/23/17 01:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/23/17 01:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/23/17 01:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/23/17 01:29	1
2-Hexanone	ND		5.0	1.2	ug/L			04/23/17 01:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/23/17 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/23/17 01:29	1
Acetone	ND		10	3.0	ug/L			04/23/17 01:29	1
Benzene	ND		1.0	0.41	ug/L			04/23/17 01:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/23/17 01:29	1
Bromoform	ND		1.0	0.26	ug/L			04/23/17 01:29	1
Bromomethane	ND		1.0	0.69	ug/L			04/23/17 01:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/23/17 01:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/23/17 01:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/23/17 01:29	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/23/17 01:29	1
Chloroethane	ND		1.0	0.32	ug/L			04/23/17 01:29	1
Chloroform	ND		1.0	0.34	ug/L			04/23/17 01:29	1
Chloromethane	ND		1.0	0.35	ug/L			04/23/17 01:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/23/17 01:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/23/17 01:29	1
Cyclohexane	ND		1.0	0.18	ug/L			04/23/17 01:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/23/17 01:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/23/17 01:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/23/17 01:29	1
Methyl acetate	ND		1.3	1.3	ug/L			04/23/17 01:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/23/17 01:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/23/17 01:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/23/17 01:29	1
Styrene	ND		1.0	0.73	ug/L			04/23/17 01:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/23/17 01:29	1
Toluene	ND		1.0	0.51	ug/L			04/23/17 01:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/23/17 01:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/23/17 01:29	1
Trichloroethene	ND		1.0	0.46	ug/L			04/23/17 01:29	1
Trichlorofluoromethane	ND	*	1.0	0.88	ug/L			04/23/17 01:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/23/17 01:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/23/17 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*04/23/17 01:29*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/23/17 01:29*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*04/23/17 01:29*	*1*

Client Sample ID: MW8DD 041317

Lab Sample ID: 480-116242-3

Date Collected: 04/13/17 11:30

Matrix: Water

Date Received: 04/13/17 16:06

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/23/17 01:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.5**		1.0	0.56	mg/L			04/25/17 01:44	2
Sulfate	**138**	**B**	4.0	0.70	mg/L			04/25/17 01:44	2
Alkalinity, Bicarbonate	**259**	**B**	40.0	16.0	mg/L			04/18/17 18:50	4
Nitrate as N	ND		0.050	0.020	mg/L			04/14/17 01:58	1
Nitrite as N	ND		0.050	0.020	mg/L			04/14/17 01:47	1
Sulfide	**1.9**		0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**2.6**		1.0	0.43	mg/L			04/17/17 13:30	1

Client Sample ID: MW8D 041317

Lab Sample ID: 480-116242-4

Date Collected: 04/13/17 13:05

Matrix: Water

Date Received: 04/13/17 16:06

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			04/23/17 01:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/23/17 01:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/23/17 01:52	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/23/17 01:52	1
1,1-Dichloroethane	**0.66**	**J**	1.0	0.38	ug/L			04/23/17 01:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/23/17 01:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/23/17 01:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/23/17 01:52	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/23/17 01:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/23/17 01:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/23/17 01:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/23/17 01:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/23/17 01:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/23/17 01:52	1
2-Hexanone	ND		5.0	1.2	ug/L			04/23/17 01:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/23/17 01:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/23/17 01:52	1
Acetone	ND		10	3.0	ug/L			04/23/17 01:52	1
Benzene	ND		1.0	0.41	ug/L			04/23/17 01:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/23/17 01:52	1
Bromoform	ND		1.0	0.26	ug/L			04/23/17 01:52	1
Bromomethane	ND		1.0	0.69	ug/L			04/23/17 01:52	1
Carbon disulfide	**0.24**	**J**	1.0	0.19	ug/L			04/23/17 01:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/23/17 01:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/23/17 01:52	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/23/17 01:52	1
Chloroethane	ND		1.0	0.32	ug/L			04/23/17 01:52	1
Chloroform	ND		1.0	0.34	ug/L			04/23/17 01:52	1
Chloromethane	ND		1.0	0.35	ug/L			04/23/17 01:52	1

Client Sample ID: MW8D 041317

Lab Sample ID: 480-116242-4

Date Collected: 04/13/17 13:05

Matrix: Water

Date Received: 04/13/17 16:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/23/17 01:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/23/17 01:52	1
Cyclohexane	ND		1.0	0.18	ug/L			04/23/17 01:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/23/17 01:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/23/17 01:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/23/17 01:52	1
Methyl acetate	ND		1.3	1.3	ug/L			04/23/17 01:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/23/17 01:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/23/17 01:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/23/17 01:52	1
Styrene	ND		1.0	0.73	ug/L			04/23/17 01:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/23/17 01:52	1
Toluene	ND		1.0	0.51	ug/L			04/23/17 01:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/23/17 01:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/23/17 01:52	1
Trichloroethene	ND		1.0	0.46	ug/L			04/23/17 01:52	1
Trichlorofluoromethane	ND	*	1.0	0.88	ug/L			04/23/17 01:52	1
Vinyl chloride	**1.6**		1.0	0.90	ug/L			04/23/17 01:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/23/17 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*04/23/17 01:52*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/23/17 01:52*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/23/17 01:52*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*04/23/17 01:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**132**		2.5	1.4	mg/L			04/25/17 03:12	5
Sulfate	**184**	**B**	10.0	1.7	mg/L			04/25/17 03:12	5
Alkalinity, Bicarbonate	**323**	**B**	40.0	16.0	mg/L			04/18/17 18:50	4
Nitrate as N	ND		0.050	0.020	mg/L			04/14/17 01:58	1
Nitrite as N	ND		0.050	0.020	mg/L			04/14/17 01:47	1
Sulfide	**1.0**		0.10	0.050	mg/L			04/17/17 14:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**3.3**		1.0	0.43	mg/L			04/17/17 13:44	1

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-116242-5

Date Collected: 04/13/17 00:00

Matrix: Water

Date Received: 04/13/17 16:06

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			04/23/17 02:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/23/17 02:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/23/17 02:15	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/23/17 02:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/23/17 02:15	1

Client Sample ID: QC TRIP BLANK
Date Collected: 04/13/17 00:00
Date Received: 04/13/17 16:06

Lab Sample ID: 480-116242-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/23/17 02:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/23/17 02:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/23/17 02:15	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/23/17 02:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/23/17 02:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/23/17 02:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/23/17 02:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/23/17 02:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/23/17 02:15	1
2-Hexanone	ND		5.0	1.2	ug/L			04/23/17 02:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/23/17 02:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/23/17 02:15	1
Acetone	ND		10	3.0	ug/L			04/23/17 02:15	1
Benzene	ND		1.0	0.41	ug/L			04/23/17 02:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/23/17 02:15	1
Bromoform	ND		1.0	0.26	ug/L			04/23/17 02:15	1
Bromomethane	ND		1.0	0.69	ug/L			04/23/17 02:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/23/17 02:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/23/17 02:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/23/17 02:15	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/23/17 02:15	1
Chloroethane	ND		1.0	0.32	ug/L			04/23/17 02:15	1
Chloroform	ND		1.0	0.34	ug/L			04/23/17 02:15	1
Chloromethane	ND		1.0	0.35	ug/L			04/23/17 02:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/23/17 02:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/23/17 02:15	1
Cyclohexane	ND		1.0	0.18	ug/L			04/23/17 02:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/23/17 02:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/23/17 02:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/23/17 02:15	1
Methyl acetate	ND		1.3	1.3	ug/L			04/23/17 02:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/23/17 02:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/23/17 02:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/23/17 02:15	1
Styrene	ND		1.0	0.73	ug/L			04/23/17 02:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/23/17 02:15	1
Toluene	ND		1.0	0.51	ug/L			04/23/17 02:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/23/17 02:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/23/17 02:15	1
Trichloroethene	ND		1.0	0.46	ug/L			04/23/17 02:15	1
Trichlorofluoromethane	ND	*	1.0	0.88	ug/L			04/23/17 02:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/23/17 02:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/23/17 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*04/23/17 02:15*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/23/17 02:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/23/17 02:15*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*04/23/17 02:15*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-116242-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-116242-1	MW4D 041317	101	104	101	99
480-116242-2	MW4S 041317	102	101	100	102
480-116242-3	MW8DD 041317	97	104	104	103
480-116242-4	MW8D 041317	108	101	101	107
480-116242-5	QC TRIP BLANK	98	102	101	105
LCS 480-353527/4	Lab Control Sample	100	97	100	100
MB 480-353527/6	Method Blank	100	101	99	101

Surrogate Legend

12DCE = 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 480-353527/6
Matrix: Water
Analysis Batch: 353527

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			04/23/17 00:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/23/17 00:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/23/17 00:19	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			04/23/17 00:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/23/17 00:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/23/17 00:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/23/17 00:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/23/17 00:19	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			04/23/17 00:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/23/17 00:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/23/17 00:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/23/17 00:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/23/17 00:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/23/17 00:19	1
2-Hexanone	ND		5.0	1.2	ug/L			04/23/17 00:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/23/17 00:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/23/17 00:19	1
Acetone	ND		10	3.0	ug/L			04/23/17 00:19	1
Benzene	ND		1.0	0.41	ug/L			04/23/17 00:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/23/17 00:19	1
Bromoform	ND		1.0	0.26	ug/L			04/23/17 00:19	1
Bromomethane	ND		1.0	0.69	ug/L			04/23/17 00:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/23/17 00:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/23/17 00:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/23/17 00:19	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			04/23/17 00:19	1
Chloroethane	ND		1.0	0.32	ug/L			04/23/17 00:19	1
Chloroform	ND		1.0	0.34	ug/L			04/23/17 00:19	1
Chloromethane	ND		1.0	0.35	ug/L			04/23/17 00:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/23/17 00:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/23/17 00:19	1
Cyclohexane	ND		1.0	0.18	ug/L			04/23/17 00:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/23/17 00:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/23/17 00:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/23/17 00:19	1
Methyl acetate	ND		1.3	1.3	ug/L			04/23/17 00:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/23/17 00:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/23/17 00:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/23/17 00:19	1
Styrene	ND		1.0	0.73	ug/L			04/23/17 00:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/23/17 00:19	1
Toluene	ND		1.0	0.51	ug/L			04/23/17 00:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/23/17 00:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/23/17 00:19	1
Trichloroethene	ND		1.0	0.46	ug/L			04/23/17 00:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/23/17 00:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/23/17 00:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/23/17 00:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*04/23/17 00:19*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/23/17 00:19*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/23/17 00:19*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*04/23/17 00:19*	*1*

Lab Sample ID: LCS 480-353527/4
Matrix: Water
Analysis Batch: 353527

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	24.5		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	22.9		ug/L		92	61 - 148
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	23.1		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	24.6		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.6		ug/L		103	56 - 134
1,2-Dibromoethane (EDB)	25.0	22.9		ug/L		91	77 - 120
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	22.9		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	22.8		ug/L		91	76 - 120
1,3-Dichlorobenzene	25.0	24.9		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 120
2-Hexanone	125	118		ug/L		94	65 - 127
2-Butanone (MEK)	125	126		ug/L		101	57 - 140
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	113		ug/L		91	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Bromoform	25.0	24.2		ug/L		97	61 - 132
Bromomethane	25.0	20.6		ug/L		82	55 - 144
Carbon disulfide	25.0	25.6		ug/L		103	59 - 134
Carbon tetrachloride	25.0	27.9		ug/L		112	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Chlorodibromomethane	25.0	24.6		ug/L		99	75 - 125
Chloroethane	25.0	23.7		ug/L		95	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	24.6		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	23.9		ug/L		96	74 - 124
Cyclohexane	25.0	24.8		ug/L		99	59 - 135
Dichlorodifluoromethane	25.0	24.5		ug/L		98	59 - 135
Ethylbenzene	25.0	23.9		ug/L		95	77 - 123
Isopropylbenzene	25.0	24.5		ug/L		98	77 - 122
Methyl acetate	125	116		ug/L		93	74 - 133
Methyl tert-butyl ether	25.0	23.6		ug/L		94	77 - 120
Methylcyclohexane	25.0	23.6		ug/L		94	68 - 134
Methylene Chloride	25.0	21.3		ug/L		85	75 - 124
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	24.4		ug/L		98	74 - 122
Toluene	25.0	23.4		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	24.1		ug/L		96	80 - 120

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

Lab Sample ID: LCS 480-353527/4
Matrix: Water
Analysis Batch: 353527

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	25.0	23.9		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	46.8	*	ug/L		187	62 - 150
Vinyl chloride	25.0	24.4		ug/L		97	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-353745/28
Matrix: Water
Analysis Batch: 353745

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			04/25/17 02:57	1
Sulfate	1.58	J	2.0	0.35	mg/L			04/25/17 02:57	1

Lab Sample ID: MB 480-353745/4
Matrix: Water
Analysis Batch: 353745

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			04/24/17 21:06	1
Sulfate	0.523	J	2.0	0.35	mg/L			04/24/17 21:06	1

Lab Sample ID: LCS 480-353745/27
Matrix: Water
Analysis Batch: 353745

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	49.61		mg/L		99	90 - 110
Sulfate	50.0	52.10		mg/L		104	90 - 110

Lab Sample ID: LCS 480-353745/3
Matrix: Water
Analysis Batch: 353745

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	48.89		mg/L		98	90 - 110
Sulfate	50.0	48.99		mg/L		98	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-116242-3 MS
Matrix: Water
Analysis Batch: 353745

Client Sample ID: MW8DD 041317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	55.5		100	152.0		mg/L		97	81 - 120
Sulfate	138	B	100	227.5	E	mg/L		89	80 - 120

Lab Sample ID: MB 480-353981/4
Matrix: Water
Analysis Batch: 353981

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			04/25/17 21:10	1
Sulfate	ND		2.0	0.35	mg/L			04/25/17 21:10	1

Lab Sample ID: LCS 480-353981/3
Matrix: Water
Analysis Batch: 353981

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	49.55		mg/L		99	90 - 110
Sulfate	50.0	46.84		mg/L		94	90 - 110

Method: 310.2_ASP - Alkalinity - Colorimetric

Lab Sample ID: MB 480-352693/173
Matrix: Water
Analysis Batch: 352693

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			04/18/17 17:53	1

Lab Sample ID: MB 480-352693/196
Matrix: Water
Analysis Batch: 352693

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	4.33	J	10.0	4.0	mg/L			04/18/17 18:48	1

Lab Sample ID: MB 480-352693/96
Matrix: Water
Analysis Batch: 352693

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			04/18/17 16:29	1

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-351957/75
Matrix: Water
Analysis Batch: 351957

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			04/14/17 00:03	1

Lab Sample ID: MB 480-351957/99
Matrix: Water
Analysis Batch: 351957

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			04/14/17 00:30	1

Lab Sample ID: LCS 480-351957/100
Matrix: Water
Analysis Batch: 351957

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	1.58		mg/L		105	90 - 110

Lab Sample ID: LCS 480-351957/76
Matrix: Water
Analysis Batch: 351957

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	1.62		mg/L		108	90 - 110

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 490-422766/2
Matrix: Water
Analysis Batch: 422766

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			04/17/17 14:00	1

Lab Sample ID: LCS 490-422766/3
Matrix: Water
Analysis Batch: 422766

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	1.07		mg/L		107	90 - 110

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 480-352418/27
Matrix: Water
Analysis Batch: 352418

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	ND		1.0	0.43	mg/L			04/17/17 11:31	1

Method: SM 5310C - Organic Carbon, Dissolved (DOC) (Continued)

Lab Sample ID: LCS 480-352418/28
Matrix: Water
Analysis Batch: 352418

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon	60.0	58.39		mg/L		97	90 - 110

Lab Sample ID: 480-116242-1 MS
Matrix: Water
Analysis Batch: 352418

Client Sample ID: MW4D 041317
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon	2.5		50.0	46.29		mg/L		88	54 - 131

Lab Sample ID: 480-116242-1 MSD
Matrix: Water
Analysis Batch: 352418

Client Sample ID: MW4D 041317
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	2.5		50.0	48.23		mg/L		91	54 - 131	4	20

GC/MS VOA

Analysis Batch: 353527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116242-1	MW4D 041317	Total/NA	Water	8260C	
480-116242-2	MW4S 041317	Total/NA	Water	8260C	
480-116242-3	MW8DD 041317	Total/NA	Water	8260C	
480-116242-4	MW8D 041317	Total/NA	Water	8260C	
480-116242-5	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-353527/6	Method Blank	Total/NA	Water	8260C	
LCS 480-353527/4	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 351957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116242-2	MW4S 041317	Total/NA	Water	353.2	
MB 480-351957/75	Method Blank	Total/NA	Water	353.2	
MB 480-351957/99	Method Blank	Total/NA	Water	353.2	
LCS 480-351957/100	Lab Control Sample	Total/NA	Water	353.2	
LCS 480-351957/76	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 351960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116242-1	MW4D 041317	Total/NA	Water	353.2	
480-116242-3	MW8DD 041317	Total/NA	Water	353.2	
480-116242-4	MW8D 041317	Total/NA	Water	353.2	

Analysis Batch: 351961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116242-1	MW4D 041317	Total/NA	Water	353.2	
480-116242-2	MW4S 041317	Total/NA	Water	353.2	
480-116242-3	MW8DD 041317	Total/NA	Water	353.2	
480-116242-4	MW8D 041317	Total/NA	Water	353.2	

Analysis Batch: 352418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116242-1	MW4D 041317	Dissolved	Water	SM 5310C	
480-116242-2	MW4S 041317	Dissolved	Water	SM 5310C	
480-116242-3	MW8DD 041317	Dissolved	Water	SM 5310C	
480-116242-4	MW8D 041317	Dissolved	Water	SM 5310C	
MB 480-352418/27	Method Blank	Dissolved	Water	SM 5310C	
LCS 480-352418/28	Lab Control Sample	Dissolved	Water	SM 5310C	
480-116242-1 MS	MW4D 041317	Dissolved	Water	SM 5310C	
480-116242-1 MSD	MW4D 041317	Dissolved	Water	SM 5310C	

Analysis Batch: 352693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116242-1	MW4D 041317	Total/NA	Water	310.2_ASP	
480-116242-2	MW4S 041317	Total/NA	Water	310.2_ASP	
480-116242-3	MW8DD 041317	Total/NA	Water	310.2_ASP	
480-116242-4	MW8D 041317	Total/NA	Water	310.2_ASP	
MB 480-352693/173	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-352693/196	Method Blank	Total/NA	Water	310.2_ASP	

General Chemistry (Continued)

Analysis Batch: 352693 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-352693/96	Method Blank	Total/NA	Water	310.2_ASP	
LCS 480-352693/174	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-352693/197	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-352693/97	Lab Control Sample	Total/NA	Water	310.2_ASP	

Analysis Batch: 353745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116242-1	MW4D 041317	Total/NA	Water	300.0	
480-116242-2	MW4S 041317	Total/NA	Water	300.0	
480-116242-3	MW8DD 041317	Total/NA	Water	300.0	
480-116242-4	MW8D 041317	Total/NA	Water	300.0	
MB 480-353745/28	Method Blank	Total/NA	Water	300.0	
MB 480-353745/4	Method Blank	Total/NA	Water	300.0	
LCS 480-353745/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-353745/3	Lab Control Sample	Total/NA	Water	300.0	
480-116242-3 MS	MW8DD 041317	Total/NA	Water	300.0	

Analysis Batch: 353981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116242-2	MW4S 041317	Total/NA	Water	300.0	
MB 480-353981/4	Method Blank	Total/NA	Water	300.0	
LCS 480-353981/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 422766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-116242-1	MW4D 041317	Total/NA	Water	SM 4500 S2 D	
480-116242-2	MW4S 041317	Total/NA	Water	SM 4500 S2 D	
480-116242-3	MW8DD 041317	Total/NA	Water	SM 4500 S2 D	
480-116242-4	MW8D 041317	Total/NA	Water	SM 4500 S2 D	
MB 490-422766/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-422766/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	

Lab Chronicle

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

TestAmerica Job ID: 480-116242-1

Client Sample ID: MW4D 041317

Lab Sample ID: 480-116242-1

Date Collected: 04/13/17 09:35

Matrix: Water

Date Received: 04/13/17 16:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	353527	04/23/17 00:43	NEA	TAL BUF
Total/NA	Analysis	300.0		5	353745	04/25/17 01:15	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 18:50	LED	TAL BUF
Total/NA	Analysis	353.2		1	351960	04/14/17 01:47	DCB	TAL BUF
Total/NA	Analysis	353.2		1	351961	04/14/17 01:58	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 12:30	EKB	TAL BUF

Client Sample ID: MW4S 041317

Lab Sample ID: 480-116242-2

Date Collected: 04/13/17 11:20

Matrix: Water

Date Received: 04/13/17 16:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	353527	04/23/17 01:06	NEA	TAL BUF
Total/NA	Analysis	300.0		5	353745	04/25/17 01:30	DMR	TAL BUF
Total/NA	Analysis	300.0		20	353981	04/25/17 22:39	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	352693	04/18/17 18:50	LED	TAL BUF
Total/NA	Analysis	353.2		1	351961	04/14/17 00:19	DCB	TAL BUF
Total/NA	Analysis	353.2		1	351957	04/14/17 00:19	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 13:15	EKB	TAL BUF

Client Sample ID: MW8DD 041317

Lab Sample ID: 480-116242-3

Date Collected: 04/13/17 11:30

Matrix: Water

Date Received: 04/13/17 16:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	353527	04/23/17 01:29	NEA	TAL BUF
Total/NA	Analysis	300.0		2	353745	04/25/17 01:44	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	352693	04/18/17 18:50	LED	TAL BUF
Total/NA	Analysis	353.2		1	351960	04/14/17 01:47	DCB	TAL BUF
Total/NA	Analysis	353.2		1	351961	04/14/17 01:58	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 13:30	EKB	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-116242-1

Client Sample ID: MW8D 041317

Lab Sample ID: 480-116242-4

Date Collected: 04/13/17 13:05

Matrix: Water

Date Received: 04/13/17 16:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	353527	04/23/17 01:52	NEA	TAL BUF
Total/NA	Analysis	300.0		5	353745	04/25/17 03:12	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	352693	04/18/17 18:50	LED	TAL BUF
Total/NA	Analysis	353.2		1	351960	04/14/17 01:47	DCB	TAL BUF
Total/NA	Analysis	353.2		1	351961	04/14/17 01:58	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	422766	04/17/17 14:00	PEK	TAL NSH
Dissolved	Analysis	SM 5310C		1	352418	04/17/17 13:44	EKB	TAL BUF

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-116242-5

Date Collected: 04/13/17 00:00

Matrix: Water

Date Received: 04/13/17 16:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	353527	04/23/17 02:15	NEA	TAL BUF

Laboratory References:

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

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-116242-1

Laboratory: 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	03-31-18

Analysis Method	Prep Method	Matrix	Analyte

Laboratory: 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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-116242-1

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	Nitrogen, Nitrite	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL NSH
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	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 = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = 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

TestAmerica Job ID: 480-116242-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-116242-1	MW4D 041317	Water	04/13/17 09:35	04/13/17 16:06
480-116242-2	MW4S 041317	Water	04/13/17 11:20	04/13/17 16:06
480-116242-3	MW8DD 041317	Water	04/13/17 11:30	04/13/17 16:06
480-116242-4	MW8D 041317	Water	04/13/17 13:05	04/13/17 16:06
480-116242-5	QC TRIP BLANK	Water	04/13/17 00:00	04/13/17 16:06

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
TestAmerica Job ID: 480-116242-1
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	Matrix	Analyte	Units	Client RL	Lab PQL
8260C	Water	Methyl acetate	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 Kozemska, Alayna Jones	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-96124-22905.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com		Page: Page 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 #: 11511119			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Monitoring	Project #: 48002808			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Z; D - N; E - N; F - M; G - A; H - A; I - Ic; J - D; K - E; L - EDA; M - Hexane; N - None; Z - other (specify)
480-116242 COC
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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	A	N	CB		
MW 4D 041317	4-13-17	935	G	Water			3	1	2	2	1	1		
MW 4S 041317	4-13-17	1120	G	Water			3	1	2	2	1	1		
MW 8DD 041317	4-13-17	11:30	G	Water			3	1	2	2	1	1		
MW 8D 041317	4-13-17	1305	G	Water			3	1	2	2	1	1		
QC Trip Blank				Water			1							
				Water										
				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: Martin Kozemska, Alayna Jones	Date/Time: 4-13-17 / 1606	Company: OBG	Received by: [signature]	Date/Time: 4/13/17 1606	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		

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-116242-1

Login Number: 116242
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	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-116242-1

Login Number: 116242
List Number: 2
Creator: West, Derrick D

List Source: TestAmerica Nashville
List Creation: 04/15/17 04:59 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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: 480-120234-1
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. Al Farrell

Authorized for release by:
7/13/2017 8:06:56 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

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

TestAmerica Job ID: 480-120234-1

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.
F1	MS and/or MSD Recovery is outside acceptance 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: 480-120234-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-120234-1

Receipt
The samples were received on 6/27/2017 6:03 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-365728 recovered outside acceptance criteria, low biased, for 1,2-Dichloroethane, 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 sample is impacted: MW-6D-062717 (480-120234-4).

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

TestAmerica Job ID: 480-120234-1

Client Sample ID: MW-10D-062717 — Lab Sample ID: 480-120234-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.28	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-10S-062717 — Lab Sample ID: 480-120234-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.32	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5D-062717 — Lab Sample ID: 480-120234-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.46	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.36	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6D-062717 — Lab Sample ID: 480-120234-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.51	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5S-062717 — Lab Sample ID: 480-120234-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.1		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.84	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.57	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.8		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	6.7		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-120234-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-10D-062717
Date Collected: 06/27/17 11:45
Date Received: 06/27/17 18:03

Lab Sample ID: 480-120234-1
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			07/06/17 12:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/06/17 12:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/06/17 12:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/06/17 12:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/06/17 12:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/06/17 12:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/06/17 12:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/06/17 12:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/06/17 12:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/06/17 12:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/06/17 12:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/06/17 12:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/06/17 12:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/06/17 12:21	1
2-Hexanone	ND		5.0	1.2	ug/L			07/06/17 12:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/06/17 12:21	1
Acetone	ND		10	3.0	ug/L			07/06/17 12:21	1
Benzene	ND		1.0	0.41	ug/L			07/06/17 12:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/06/17 12:21	1
Bromoform	ND		1.0	0.26	ug/L			07/06/17 12:21	1
Bromomethane	ND		1.0	0.69	ug/L			07/06/17 12:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/06/17 12:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/06/17 12:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/06/17 12:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/06/17 12:21	1
Chloroethane	ND		1.0	0.32	ug/L			07/06/17 12:21	1
Chloroform	ND		1.0	0.34	ug/L			07/06/17 12:21	1
Chloromethane	ND		1.0	0.35	ug/L			07/06/17 12:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/06/17 12:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/06/17 12:21	1
Cyclohexane	ND		1.0	0.18	ug/L			07/06/17 12:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/06/17 12:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/06/17 12:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/06/17 12:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/06/17 12:21	1
Methyl acetate	ND		2.5	1.3	ug/L			07/06/17 12:21	1
Methyl tert-butyl ether	**0.28**	**J**	1.0	0.16	ug/L			07/06/17 12:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/06/17 12:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/17 12:21	1
Styrene	ND		1.0	0.73	ug/L			07/06/17 12:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/17 12:21	1
Toluene	ND		1.0	0.51	ug/L			07/06/17 12:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/17 12:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/06/17 12:21	1
Trichloroethene	ND		1.0	0.46	ug/L			07/06/17 12:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/06/17 12:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/06/17 12:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/06/17 12:21	1

Client Sample ID: MW-10D-062717

Lab Sample ID: 480-120234-1

Date Collected: 06/27/17 11:45

Matrix: Water

Date Received: 06/27/17 18:03

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120		07/06/17 12:21	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		07/06/17 12:21	1
4-Bromofluorobenzene (Surr)	90		73 - 120		07/06/17 12:21	1
Dibromofluoromethane (Surr)	96		75 - 123		07/06/17 12:21	1

Client Sample ID: MW-10S-062717

Lab Sample ID: 480-120234-2

Date Collected: 06/27/17 12:30

Matrix: Water

Date Received: 06/27/17 18:03

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			07/06/17 12:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/06/17 12:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/06/17 12:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/06/17 12:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/06/17 12:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/06/17 12:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/06/17 12:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/06/17 12:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/06/17 12:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/06/17 12:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/06/17 12:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/06/17 12:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/06/17 12:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/06/17 12:44	1
2-Hexanone	ND		5.0	1.2	ug/L			07/06/17 12:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/06/17 12:44	1
Acetone	ND		10	3.0	ug/L			07/06/17 12:44	1
Benzene	ND		1.0	0.41	ug/L			07/06/17 12:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/06/17 12:44	1
Bromoform	ND		1.0	0.26	ug/L			07/06/17 12:44	1
Bromomethane	ND		1.0	0.69	ug/L			07/06/17 12:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/06/17 12:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/06/17 12:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/06/17 12:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/06/17 12:44	1
Chloroethane	ND		1.0	0.32	ug/L			07/06/17 12:44	1
Chloroform	ND		1.0	0.34	ug/L			07/06/17 12:44	1
Chloromethane	ND		1.0	0.35	ug/L			07/06/17 12:44	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.81	ug/L			07/06/17 12:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/06/17 12:44	1
Cyclohexane	ND		1.0	0.18	ug/L			07/06/17 12:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/06/17 12:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/06/17 12:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/06/17 12:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/06/17 12:44	1
Methyl acetate	ND		2.5	1.3	ug/L			07/06/17 12:44	1
Methyl tert-butyl ether	**0.32**	**J**	1.0	0.16	ug/L			07/06/17 12:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/06/17 12:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/17 12:44	1

Client Sample ID: MW-10S-062717

Lab Sample ID: 480-120234-2

Date Collected: 06/27/17 12:30

Matrix: Water

Date Received: 06/27/17 18:03

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			07/06/17 12:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/17 12:44	1
Toluene	ND		1.0	0.51	ug/L			07/06/17 12:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/17 12:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/06/17 12:44	1
Trichloroethene	ND		1.0	0.46	ug/L			07/06/17 12:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/06/17 12:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/06/17 12:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/06/17 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/06/17 12:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*07/06/17 12:44*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*07/06/17 12:44*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*07/06/17 12:44*	*1*

Client Sample ID: MW-5D-062717

Lab Sample ID: 480-120234-3

Date Collected: 06/27/17 14:30

Matrix: Water

Date Received: 06/27/17 18:03

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			07/06/17 13:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/06/17 13:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/06/17 13:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/06/17 13:07	1
1,1-Dichloroethane	**0.46**	**J**	1.0	0.38	ug/L			07/06/17 13:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/06/17 13:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/06/17 13:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/06/17 13:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/06/17 13:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/06/17 13:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/06/17 13:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/06/17 13:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/06/17 13:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/06/17 13:07	1
2-Hexanone	ND		5.0	1.2	ug/L			07/06/17 13:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/06/17 13:07	1
Acetone	ND		10	3.0	ug/L			07/06/17 13:07	1
Benzene	ND		1.0	0.41	ug/L			07/06/17 13:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/06/17 13:07	1
Bromoform	ND		1.0	0.26	ug/L			07/06/17 13:07	1
Bromomethane	ND		1.0	0.69	ug/L			07/06/17 13:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/06/17 13:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/06/17 13:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/06/17 13:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/06/17 13:07	1
Chloroethane	ND		1.0	0.32	ug/L			07/06/17 13:07	1
Chloroform	ND		1.0	0.34	ug/L			07/06/17 13:07	1
Chloromethane	ND		1.0	0.35	ug/L			07/06/17 13:07	1

Client Sample ID: MW-5D-062717

Lab Sample ID: 480-120234-3

Date Collected: 06/27/17 14:30

Matrix: Water

Date Received: 06/27/17 18:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/06/17 13:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/06/17 13:07	1
Cyclohexane	ND		1.0	0.18	ug/L			07/06/17 13:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/06/17 13:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/06/17 13:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/06/17 13:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/06/17 13:07	1
Methyl acetate	ND		2.5	1.3	ug/L			07/06/17 13:07	1
Methyl tert-butyl ether	**0.36**	**J**	1.0	0.16	ug/L			07/06/17 13:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/06/17 13:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/17 13:07	1
Styrene	ND		1.0	0.73	ug/L			07/06/17 13:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/17 13:07	1
Toluene	ND		1.0	0.51	ug/L			07/06/17 13:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/17 13:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/06/17 13:07	1
Trichloroethene	ND		1.0	0.46	ug/L			07/06/17 13:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/06/17 13:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/06/17 13:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/06/17 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/06/17 13:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*07/06/17 13:07*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*07/06/17 13:07*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*07/06/17 13:07*	*1*

Client Sample ID: MW-6D-062717

Lab Sample ID: 480-120234-4

Date Collected: 06/27/17 14:57

Matrix: Water

Date Received: 06/27/17 18:03

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			07/07/17 05:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 05:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 05:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/07/17 05:04	1
1,1-Dichloroethane	**0.51**	**J**	1.0	0.38	ug/L			07/07/17 05:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 05:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 05:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 05:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 05:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 05:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 05:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 05:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 05:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 05:04	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 05:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 05:04	1
Acetone	ND		10	3.0	ug/L			07/07/17 05:04	1

Client Sample ID: MW-6D-062717

Lab Sample ID: 480-120234-4

Date Collected: 06/27/17 14:57

Matrix: Water

Date Received: 06/27/17 18:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/07/17 05:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 05:04	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 05:04	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 05:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 05:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 05:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 05:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/07/17 05:04	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 05:04	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 05:04	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 05:04	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.81	ug/L			07/07/17 05:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 05:04	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 05:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 05:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 05:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/07/17 05:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 05:04	1
Methyl acetate	ND	F1	2.5	1.3	ug/L			07/07/17 05:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 05:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 05:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 05:04	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 05:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 05:04	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 05:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 05:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 05:04	1
Trichloroethene	ND		1.0	0.46	ug/L			07/07/17 05:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 05:04	1
Vinyl chloride	**1.4**		1.0	0.90	ug/L			07/07/17 05:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/07/17 05:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*07/07/17 05:04*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*07/07/17 05:04*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*07/07/17 05:04*	*1*

Client Sample ID: MW-5S-062717

Lab Sample ID: 480-120234-5

Date Collected: 06/27/17 15:35

Matrix: Water

Date Received: 06/27/17 18:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**3.1**		1.0	0.82	ug/L			07/06/17 13:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/06/17 13:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/06/17 13:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/06/17 13:53	1
1,1-Dichloroethane	**0.84**	**J**	1.0	0.38	ug/L			07/06/17 13:53	1
1,1-Dichloroethene	**0.57**	**J**	1.0	0.29	ug/L			07/06/17 13:53	1

Client Sample ID: MW-5S-062717
Date Collected: 06/27/17 15:35
Date Received: 06/27/17 18:03

Lab Sample ID: 480-120234-5
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			07/06/17 13:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/06/17 13:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/06/17 13:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/06/17 13:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/06/17 13:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/06/17 13:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/06/17 13:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/06/17 13:53	1
2-Hexanone	ND		5.0	1.2	ug/L			07/06/17 13:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/06/17 13:53	1
Acetone	ND		10	3.0	ug/L			07/06/17 13:53	1
Benzene	ND		1.0	0.41	ug/L			07/06/17 13:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/06/17 13:53	1
Bromoform	ND		1.0	0.26	ug/L			07/06/17 13:53	1
Bromomethane	ND		1.0	0.69	ug/L			07/06/17 13:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/06/17 13:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/06/17 13:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/06/17 13:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/06/17 13:53	1
Chloroethane	ND		1.0	0.32	ug/L			07/06/17 13:53	1
Chloroform	ND		1.0	0.34	ug/L			07/06/17 13:53	1
Chloromethane	ND		1.0	0.35	ug/L			07/06/17 13:53	1
cis-1,2-Dichloroethene	**3.8**		1.0	0.81	ug/L			07/06/17 13:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/06/17 13:53	1
Cyclohexane	ND		1.0	0.18	ug/L			07/06/17 13:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/06/17 13:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/06/17 13:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/06/17 13:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/06/17 13:53	1
Methyl acetate	ND		2.5	1.3	ug/L			07/06/17 13:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/06/17 13:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/06/17 13:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/17 13:53	1
Styrene	ND		1.0	0.73	ug/L			07/06/17 13:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/17 13:53	1
Toluene	ND		1.0	0.51	ug/L			07/06/17 13:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/17 13:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/06/17 13:53	1
Trichloroethene	**6.7**		1.0	0.46	ug/L			07/06/17 13:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/06/17 13:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/06/17 13:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/06/17 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/06/17 13:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*07/06/17 13:53*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*07/06/17 13:53*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*07/06/17 13:53*	*1*

Client Sample ID: TRIP BLANK
Date Collected: 06/27/17 00:00
Date Received: 06/27/17 18:03

Lab Sample ID: 480-120234-6
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			07/06/17 14:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/06/17 14:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/06/17 14:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/06/17 14:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/06/17 14:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/06/17 14:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/06/17 14:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/06/17 14:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/06/17 14:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/06/17 14:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/06/17 14:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/06/17 14:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/06/17 14:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/06/17 14:16	1
2-Hexanone	ND		5.0	1.2	ug/L			07/06/17 14:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/06/17 14:16	1
Acetone	ND		10	3.0	ug/L			07/06/17 14:16	1
Benzene	ND		1.0	0.41	ug/L			07/06/17 14:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/06/17 14:16	1
Bromoform	ND		1.0	0.26	ug/L			07/06/17 14:16	1
Bromomethane	ND		1.0	0.69	ug/L			07/06/17 14:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/06/17 14:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/06/17 14:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/06/17 14:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/06/17 14:16	1
Chloroethane	ND		1.0	0.32	ug/L			07/06/17 14:16	1
Chloroform	ND		1.0	0.34	ug/L			07/06/17 14:16	1
Chloromethane	ND		1.0	0.35	ug/L			07/06/17 14:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/06/17 14:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/06/17 14:16	1
Cyclohexane	ND		1.0	0.18	ug/L			07/06/17 14:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/06/17 14:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/06/17 14:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/06/17 14:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/06/17 14:16	1
Methyl acetate	ND		2.5	1.3	ug/L			07/06/17 14:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/06/17 14:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/06/17 14:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/17 14:16	1
Styrene	ND		1.0	0.73	ug/L			07/06/17 14:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/17 14:16	1
Toluene	ND		1.0	0.51	ug/L			07/06/17 14:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/17 14:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/06/17 14:16	1
Trichloroethene	ND		1.0	0.46	ug/L			07/06/17 14:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/06/17 14:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/06/17 14:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/06/17 14:16	1

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

TestAmerica Job ID: 480-120234-1

Client Sample ID: TRIP BLANK
Date Collected: 06/27/17 00:00
Date Received: 06/27/17 18:03

Lab Sample ID: 480-120234-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		07/06/17 14:16	1
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		07/06/17 14:16	1
4-Bromofluorobenzene (Surr)	90		73 - 120		07/06/17 14:16	1
Dibromofluoromethane (Surr)	95		75 - 123		07/06/17 14:16	1

Surrogate Summary

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

TestAmerica Job ID: 480-120234-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	12DCE	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-120234-1	MW-10D-062717	91	102	90	96
480-120234-2	MW-10S-062717	90	99	90	93
480-120234-3	MW-5D-062717	90	100	86	92
480-120234-4	MW-6D-062717	97	87	97	95
480-120234-4 MS	MW-6D-062717	98	83	99	94
480-120234-4 MSD	MW-6D-062717	98	84	100	94
480-120234-5	MW-5S-062717	90	97	88	97
480-120234-6	TRIP BLANK	93	98	90	95
LCS 480-365580/4	Lab Control Sample	94	96	93	94
LCS 480-365728/5	Lab Control Sample	97	84	97	95
MB 480-365580/6	Method Blank	93	96	91	91
MB 480-365728/8	Method Blank	97	84	96	91

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 480-365580/6
Matrix: Water
Analysis Batch: 365580

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			07/06/17 10:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/06/17 10:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/06/17 10:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/06/17 10:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/06/17 10:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/06/17 10:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/06/17 10:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/06/17 10:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/06/17 10:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/06/17 10:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/06/17 10:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/06/17 10:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/06/17 10:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/06/17 10:05	1
2-Hexanone	ND		5.0	1.2	ug/L			07/06/17 10:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/06/17 10:05	1
Acetone	ND		10	3.0	ug/L			07/06/17 10:05	1
Benzene	ND		1.0	0.41	ug/L			07/06/17 10:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/06/17 10:05	1
Bromoform	ND		1.0	0.26	ug/L			07/06/17 10:05	1
Bromomethane	ND		1.0	0.69	ug/L			07/06/17 10:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/06/17 10:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/06/17 10:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/06/17 10:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/06/17 10:05	1
Chloroethane	ND		1.0	0.32	ug/L			07/06/17 10:05	1
Chloroform	ND		1.0	0.34	ug/L			07/06/17 10:05	1
Chloromethane	ND		1.0	0.35	ug/L			07/06/17 10:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/06/17 10:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/06/17 10:05	1
Cyclohexane	ND		1.0	0.18	ug/L			07/06/17 10:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/06/17 10:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/06/17 10:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/06/17 10:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/06/17 10:05	1
Methyl acetate	ND		2.5	1.3	ug/L			07/06/17 10:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/06/17 10:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/06/17 10:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/17 10:05	1
Styrene	ND		1.0	0.73	ug/L			07/06/17 10:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/17 10:05	1
Toluene	ND		1.0	0.51	ug/L			07/06/17 10:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/17 10:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/06/17 10:05	1
Trichloroethene	ND		1.0	0.46	ug/L			07/06/17 10:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/06/17 10:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/06/17 10:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/06/17 10:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/06/17 10:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*07/06/17 10:05*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*07/06/17 10:05*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*07/06/17 10:05*	*1*

Lab Sample ID: LCS 480-365580/4
Matrix: Water
Analysis Batch: 365580

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	24.4		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.1		ug/L		92	61 - 148
1,1-Dichloroethane	25.0	23.4		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	21.8		ug/L		87	66 - 127
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.4		ug/L		98	56 - 134
1,2-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	23.9		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 120
2-Butanone (MEK)	125	130		ug/L		104	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		109	71 - 125
Acetone	125	133		ug/L		106	56 - 142
Benzene	25.0	22.5		ug/L		90	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	24.3		ug/L		97	61 - 132
Bromomethane	25.0	20.4		ug/L		82	55 - 144
Carbon disulfide	25.0	22.4		ug/L		90	59 - 134
Carbon tetrachloride	25.0	23.0		ug/L		92	72 - 134
Chlorobenzene	25.0	22.8		ug/L		91	80 - 120
Dibromochloromethane	25.0	24.7		ug/L		99	75 - 125
Chloroethane	25.0	24.3		ug/L		97	69 - 136
Chloroform	25.0	23.5		ug/L		94	73 - 127
Chloromethane	25.0	23.1		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	22.9		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Cyclohexane	25.0	22.7		ug/L		91	59 - 135
Dichlorodifluoromethane	25.0	23.0		ug/L		92	59 - 135
Ethylbenzene	25.0	23.4		ug/L		93	77 - 123
1,2-Dibromoethane	25.0	23.6		ug/L		94	77 - 120
Isopropylbenzene	25.0	23.9		ug/L		96	77 - 122
Methyl acetate	125	129		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	22.6		ug/L		90	68 - 134
Methylene Chloride	25.0	20.9		ug/L		84	75 - 124
Styrene	25.0	24.3		ug/L		97	80 - 120
Tetrachloroethene	25.0	22.0		ug/L		88	74 - 122
Toluene	25.0	22.9		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127

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

Lab Sample ID: LCS 480-365580/4
Matrix: Water
Analysis Batch: 365580

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
trans-1,3-Dichloropropene			25.0	25.6		ug/L		102	80 - 120		
Trichloroethene			25.0	22.5		ug/L		90	74 - 123		
Trichlorofluoromethane			25.0	22.1		ug/L		88	62 - 150		
Vinyl chloride			25.0	22.4		ug/L		90	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*

Lab Sample ID: MB 480-365728/8
Matrix: Water
Analysis Batch: 365728

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			07/06/17 22:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/06/17 22:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/06/17 22:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/06/17 22:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/06/17 22:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/06/17 22:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/06/17 22:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/06/17 22:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/06/17 22:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/06/17 22:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/06/17 22:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/06/17 22:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/06/17 22:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/06/17 22:08	1
2-Hexanone	ND		5.0	1.2	ug/L			07/06/17 22:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/06/17 22:08	1
Acetone	ND		10	3.0	ug/L			07/06/17 22:08	1
Benzene	ND		1.0	0.41	ug/L			07/06/17 22:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/06/17 22:08	1
Bromoform	ND		1.0	0.26	ug/L			07/06/17 22:08	1
Bromomethane	ND		1.0	0.69	ug/L			07/06/17 22:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/06/17 22:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/06/17 22:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/06/17 22:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/06/17 22:08	1
Chloroethane	ND		1.0	0.32	ug/L			07/06/17 22:08	1
Chloroform	ND		1.0	0.34	ug/L			07/06/17 22:08	1
Chloromethane	ND		1.0	0.35	ug/L			07/06/17 22:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/06/17 22:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/06/17 22:08	1
Cyclohexane	ND		1.0	0.18	ug/L			07/06/17 22:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/06/17 22:08	1

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

Lab Sample ID: MB 480-365728/8
Matrix: Water
Analysis Batch: 365728

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			07/06/17 22:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/06/17 22:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/06/17 22:08	1
Methyl acetate	ND		2.5	1.3	ug/L			07/06/17 22:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/06/17 22:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/06/17 22:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/17 22:08	1
Styrene	ND		1.0	0.73	ug/L			07/06/17 22:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/17 22:08	1
Toluene	ND		1.0	0.51	ug/L			07/06/17 22:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/17 22:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/06/17 22:08	1
Trichloroethene	ND		1.0	0.46	ug/L			07/06/17 22:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/06/17 22:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/06/17 22:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/06/17 22:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/06/17 22:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*77 - 120*		*07/06/17 22:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*07/06/17 22:08*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*07/06/17 22:08*	*1*

Lab Sample ID: LCS 480-365728/5
Matrix: Water
Analysis Batch: 365728

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	22.4		ug/L		90	73 - 126
1,1,2,2-Tetrachloroethane	25.0	20.2		ug/L		81	76 - 120
1,1,2-Trichloroethane	25.0	21.2		ug/L		85	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.1		ug/L		88	61 - 148
1,1-Dichloroethane	25.0	22.2		ug/L		89	77 - 120
1,1-Dichloroethene	25.0	20.7		ug/L		83	66 - 127
1,2,4-Trichlorobenzene	25.0	22.1		ug/L		88	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.0		ug/L		84	56 - 134
1,2-Dichlorobenzene	25.0	21.4		ug/L		86	80 - 124
1,2-Dichloroethane	25.0	19.4		ug/L		78	75 - 120
1,2-Dichloropropane	25.0	21.5		ug/L		86	76 - 120
1,3-Dichlorobenzene	25.0	21.7		ug/L		87	77 - 120
1,4-Dichlorobenzene	25.0	22.0		ug/L		88	80 - 120
2-Butanone (MEK)	125	110		ug/L		88	57 - 140
2-Hexanone	125	103		ug/L		83	65 - 127
4-Methyl-2-pentanone (MIBK)	125	98.7		ug/L		79	71 - 125
Acetone	125	112		ug/L		89	56 - 142
Benzene	25.0	22.4		ug/L		89	71 - 124
Bromodichloromethane	25.0	22.8		ug/L		91	80 - 122

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

Lab Sample ID: LCS 480-365728/5
Matrix: Water
Analysis Batch: 365728

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	25.0	24.7		ug/L		99	61 - 132
Bromomethane	25.0	22.7		ug/L		91	55 - 144
Carbon disulfide	25.0	20.5		ug/L		82	59 - 134
Carbon tetrachloride	25.0	23.4		ug/L		93	72 - 134
Chlorobenzene	25.0	22.3		ug/L		89	80 - 120
Dibromochloromethane	25.0	23.3		ug/L		93	75 - 125
Chloroethane	25.0	23.5		ug/L		94	69 - 136
Chloroform	25.0	21.2		ug/L		85	73 - 127
Chloromethane	25.0	24.6		ug/L		99	68 - 124
cis-1,2-Dichloroethene	25.0	22.0		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Cyclohexane	25.0	22.0		ug/L		88	59 - 135
Dichlorodifluoromethane	25.0	29.1		ug/L		116	59 - 135
Ethylbenzene	25.0	22.0		ug/L		88	77 - 123
1,2-Dibromoethane	25.0	20.6		ug/L		82	77 - 120
Isopropylbenzene	25.0	22.8		ug/L		91	77 - 122
Methyl acetate	125	92.2		ug/L		74	74 - 133
Methyl tert-butyl ether	25.0	21.0		ug/L		84	77 - 120
Methylcyclohexane	25.0	22.2		ug/L		89	68 - 134
Methylene Chloride	25.0	20.1		ug/L		81	75 - 124
Styrene	25.0	22.3		ug/L		89	80 - 120
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	22.2		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	22.3		ug/L		89	73 - 127
trans-1,3-Dichloropropene	25.0	23.3		ug/L		93	80 - 120
Trichloroethene	25.0	21.5		ug/L		86	74 - 123
Trichlorofluoromethane	25.0	22.5		ug/L		90	62 - 150
Vinyl chloride	25.0	25.3		ug/L		101	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*84*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

Lab Sample ID: 480-120234-4 MS
Matrix: Water
Analysis Batch: 365728

Client Sample ID: MW-6D-062717
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	24.4		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	21.1		ug/L		84	76 - 120
1,1,2-Trichloroethane	ND		25.0	22.0		ug/L		88	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	21.9		ug/L		88	61 - 148
1,1-Dichloroethane	0.51	J	25.0	23.5		ug/L		92	77 - 120
1,1-Dichloroethene	ND		25.0	24.0		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	23.3		ug/L		93	79 - 122

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

Lab Sample ID: 480-120234-4 MS
Matrix: Water
Analysis Batch: 365728

Client Sample ID: MW-6D-062717
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		25.0	21.3		ug/L		85	56 - 134
1,2-Dichlorobenzene	ND		25.0	23.1		ug/L		92	80 - 124
1,2-Dichloroethane	ND		25.0	20.2		ug/L		81	75 - 120
1,2-Dichloropropane	ND		25.0	23.2		ug/L		93	76 - 120
1,3-Dichlorobenzene	ND		25.0	23.6		ug/L		94	77 - 120
1,4-Dichlorobenzene	ND		25.0	23.3		ug/L		93	78 - 124
2-Butanone (MEK)	ND		125	88.3		ug/L		71	57 - 140
2-Hexanone	ND		125	94.7		ug/L		76	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	94.6		ug/L		76	71 - 125
Acetone	ND		125	87.2		ug/L		70	56 - 142
Benzene	ND		25.0	24.0		ug/L		96	71 - 124
Bromodichloromethane	ND		25.0	23.4		ug/L		93	80 - 122
Bromoform	ND		25.0	25.6		ug/L		102	61 - 132
Bromomethane	ND		25.0	25.5		ug/L		102	55 - 144
Carbon disulfide	ND		25.0	22.5		ug/L		90	59 - 134
Carbon tetrachloride	ND		25.0	25.4		ug/L		102	72 - 134
Chlorobenzene	ND		25.0	23.3		ug/L		93	80 - 120
Dibromochloromethane	ND		25.0	24.0		ug/L		96	75 - 125
Chloroethane	ND		25.0	27.2		ug/L		109	69 - 136
Chloroform	ND		25.0	22.9		ug/L		92	73 - 127
Chloromethane	ND		25.0	28.2		ug/L		113	68 - 124
cis-1,2-Dichloroethene	1.3		25.0	24.6		ug/L		93	74 - 124
cis-1,3-Dichloropropene	ND		25.0	23.2		ug/L		93	74 - 124
Cyclohexane	ND		25.0	22.0		ug/L		88	59 - 135
Dichlorodifluoromethane	ND		25.0	29.6		ug/L		118	59 - 135
Ethylbenzene	ND		25.0	23.6		ug/L		94	77 - 123
1,2-Dibromoethane	ND		25.0	21.2		ug/L		85	77 - 120
Isopropylbenzene	ND		25.0	24.5		ug/L		98	77 - 122
Methyl acetate	ND	F1	125	86.0	F1	ug/L		69	74 - 133
Methyl tert-butyl ether	ND		25.0	20.5		ug/L		82	77 - 120
Methylcyclohexane	ND		25.0	21.4		ug/L		86	68 - 134
Methylene Chloride	ND		25.0	20.7		ug/L		83	75 - 124
Styrene	ND		25.0	22.9		ug/L		92	80 - 120
Tetrachloroethene	ND		25.0	24.0		ug/L		96	74 - 122
Toluene	ND		25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	ND		25.0	24.4		ug/L		97	73 - 127
trans-1,3-Dichloropropene	ND		25.0	22.4		ug/L		90	80 - 120
Trichloroethene	ND		25.0	23.2		ug/L		93	74 - 123
Trichlorofluoromethane	ND		25.0	24.3		ug/L		97	62 - 150
Vinyl chloride	1.4		25.0	30.7		ug/L		117	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*83*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*

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

Lab Sample ID: 480-120234-4 MSD
Matrix: Water
Analysis Batch: 365728

Client Sample ID: MW-6D-062717
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	23.7		ug/L		95	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		25.0	20.8		ug/L		83	76 - 120	1	15
1,1,2-Trichloroethane	ND		25.0	21.3		ug/L		85	76 - 122	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	20.1		ug/L		81	61 - 148	9	20
1,1-Dichloroethane	0.51	J	25.0	23.2		ug/L		91	77 - 120	1	20
1,1-Dichloroethene	ND		25.0	23.0		ug/L		92	66 - 127	4	16
1,2,4-Trichlorobenzene	ND		25.0	22.7		ug/L		91	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		25.0	20.5		ug/L		82	56 - 134	4	15
1,2-Dichlorobenzene	ND		25.0	22.4		ug/L		89	80 - 124	3	20
1,2-Dichloroethane	ND		25.0	19.3		ug/L		77	75 - 120	4	20
1,2-Dichloropropane	ND		25.0	22.6		ug/L		91	76 - 120	2	20
1,3-Dichlorobenzene	ND		25.0	23.2		ug/L		93	77 - 120	2	20
1,4-Dichlorobenzene	ND		25.0	23.1		ug/L		92	78 - 124	1	20
2-Butanone (MEK)	ND		125	87.4		ug/L		70	57 - 140	1	20
2-Hexanone	ND		125	91.8		ug/L		73	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	ND		125	94.2		ug/L		75	71 - 125	0	35
Acetone	ND		125	87.7		ug/L		70	56 - 142	1	15
Benzene	ND		25.0	23.4		ug/L		94	71 - 124	3	13
Bromodichloromethane	ND		25.0	23.0		ug/L		92	80 - 122	2	15
Bromoform	ND		25.0	25.2		ug/L		101	61 - 132	2	15
Bromomethane	ND		25.0	26.1		ug/L		104	55 - 144	2	15
Carbon disulfide	ND		25.0	21.8		ug/L		87	59 - 134	3	15
Carbon tetrachloride	ND		25.0	25.7		ug/L		103	72 - 134	1	15
Chlorobenzene	ND		25.0	23.3		ug/L		93	80 - 120	0	25
Dibromochloromethane	ND		25.0	24.1		ug/L		96	75 - 125	0	15
Chloroethane	ND		25.0	26.9		ug/L		108	69 - 136	1	15
Chloroform	ND		25.0	22.3		ug/L		89	73 - 127	3	20
Chloromethane	ND		25.0	28.0		ug/L		112	68 - 124	0	15
cis-1,2-Dichloroethene	1.3		25.0	24.3		ug/L		92	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	22.5		ug/L		90	74 - 124	3	15
Cyclohexane	ND		25.0	20.6		ug/L		82	59 - 135	6	20
Dichlorodifluoromethane	ND		25.0	27.1		ug/L		108	59 - 135	9	20
Ethylbenzene	ND		25.0	23.4		ug/L		94	77 - 123	1	15
1,2-Dibromoethane	ND		25.0	20.7		ug/L		83	77 - 120	3	15
Isopropylbenzene	ND		25.0	24.6		ug/L		98	77 - 122	0	20
Methyl acetate	ND	F1	125	84.6	F1	ug/L		68	74 - 133	2	20
Methyl tert-butyl ether	ND		25.0	20.2		ug/L		81	77 - 120	2	37
Methylcyclohexane	ND		25.0	20.6		ug/L		82	68 - 134	4	20
Methylene Chloride	ND		25.0	20.1		ug/L		80	75 - 124	3	15
Styrene	ND		25.0	22.3		ug/L		89	80 - 120	3	20
Tetrachloroethene	ND		25.0	24.0		ug/L		96	74 - 122	0	20
Toluene	ND		25.0	23.5		ug/L		94	80 - 122	0	15
trans-1,2-Dichloroethene	ND		25.0	23.0		ug/L		92	73 - 127	6	20
trans-1,3-Dichloropropene	ND		25.0	22.1		ug/L		88	80 - 120	1	15
Trichloroethene	ND		25.0	23.0		ug/L		92	74 - 123	1	16
Trichlorofluoromethane	ND		25.0	23.9		ug/L		95	62 - 150	2	20
Vinyl chloride	1.4		25.0	30.1		ug/L		115	65 - 133	2	15

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

TestAmerica Job ID: 480-120234-1

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

Lab Sample ID: 480-120234-4 MSD
Matrix: Water
Analysis Batch: 365728

Client Sample ID: MW-6D-062717
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120
1,2-Dichloroethane-d4 (Surr)	84		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123

QC Association Summary

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

TestAmerica Job ID: 480-120234-1

GC/MS VOA

Analysis Batch: 365580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120234-1	MW-10D-062717	Total/NA	Water	8260C	
480-120234-2	MW-10S-062717	Total/NA	Water	8260C	
480-120234-3	MW-5D-062717	Total/NA	Water	8260C	
480-120234-5	MW-5S-062717	Total/NA	Water	8260C	
480-120234-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-365580/6	Method Blank	Total/NA	Water	8260C	
LCS 480-365580/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 365728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120234-4	MW-6D-062717	Total/NA	Water	8260C	
MB 480-365728/8	Method Blank	Total/NA	Water	8260C	
LCS 480-365728/5	Lab Control Sample	Total/NA	Water	8260C	
480-120234-4 MS	MW-6D-062717	Total/NA	Water	8260C	
480-120234-4 MSD	MW-6D-062717	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-120234-1

Client Sample ID: MW-10D-062717
Lab Sample ID: 480-120234-1
Date Collected: 06/27/17 11:45
Matrix: Water
Date Received: 06/27/17 18:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365580	07/06/17 12:21	ARS	TAL BUF

Client Sample ID: MW-10S-062717
Lab Sample ID: 480-120234-2
Date Collected: 06/27/17 12:30
Matrix: Water
Date Received: 06/27/17 18:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365580	07/06/17 12:44	ARS	TAL BUF

Client Sample ID: MW-5D-062717
Lab Sample ID: 480-120234-3
Date Collected: 06/27/17 14:30
Matrix: Water
Date Received: 06/27/17 18:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365580	07/06/17 13:07	ARS	TAL BUF

Client Sample ID: MW-6D-062717
Lab Sample ID: 480-120234-4
Date Collected: 06/27/17 14:57
Matrix: Water
Date Received: 06/27/17 18:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365728	07/07/17 05:04	JAS	TAL BUF

Client Sample ID: MW-5S-062717
Lab Sample ID: 480-120234-5
Date Collected: 06/27/17 15:35
Matrix: Water
Date Received: 06/27/17 18:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365580	07/06/17 13:53	ARS	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-120234-6
Date Collected: 06/27/17 00:00
Matrix: Water
Date Received: 06/27/17 18:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365580	07/06/17 14:16	ARS	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 Monitoring

TestAmerica Job ID: 480-120234-1

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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-120234-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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 = 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

TestAmerica Job ID: 480-120234-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-120234-1	MW-10D-062717	Water	06/27/17 11:45	06/27/17 18:03
480-120234-2	MW-10S-062717	Water	06/27/17 12:30	06/27/17 18:03
480-120234-3	MW-5D-062717	Water	06/27/17 14:30	06/27/17 18:03
480-120234-4	MW-6D-062717	Water	06/27/17 14:57	06/27/17 18:03
480-120234-5	MW-5S-062717	Water	06/27/17 15:35	06/27/17 18:03
480-120234-6	TRIP BLANK	Water	06/27/17 00:00	06/27/17 18:03

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: Alayna Fuess; Mike Mellen	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-98696-15479.1
Client Contact: Mr. Yuri Veliz	Phone: 315-956-6401	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:	Analysis Requested	Preservation Codes:
City: East Syracuse	TAT Requested (days): Standard		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitr E - Na F - Me G - Am H - As cahydrate I - Ice J - DI K - EDT L - EDA 480-120234 COC cify) Other:
State, Zip: NY, 13221			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11511119		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Forest Glen Monitoring	Project #: 48002808		
Site:	SSOW#:		

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-10D-062717	6/27/17	1145	G	Water			X	3	
MW-10S-062717	6/27/17	1230	G	Water			X	3	
MW-5D-062717	6/27/17	1430	G	Water			X	3	
MW-6D-062717	6/27/17	1457	G	Water		X	X	9	MS/MSD
MW-5S-062717	6/27/17	1535	G	Water			X	3	
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: Alayna Fuess	Date/Time: 6/27/17; 1803	Company OBG	Received by: Cmt Carrier	Date/Time: 6/27/17; 1803	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: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.7 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-120234-1

Login Number: 120234
List Number: 1
Creator: Conway, Curtis R

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.	N/A	
Chlorine Residual checked.	N/A	

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: 480-120391-1
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. Al Farrell

Authorized for release by:
7/13/2017 7:39:50 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-120391-1

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: 480-120391-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-120391-1

Receipt
The samples were received on 6/29/2017 10:07 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.2º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-365816 recovered above the upper control limit for 2-Hexanone and Methylcyclohexane. 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-6S-062817 (480-120391-1) and MW-4D-062817 (480-120391-2).

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

TestAmerica Job ID: 480-120391-1

Client Sample ID: MW-6S-062817 — Lab Sample ID: 480-120391-1

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
Tetrachloroethene	0.39	J	1.0	0.36	ug/L	1		8260C	Total/NA
Vinyl chloride	9.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-4D-062817 — Lab Sample ID: 480-120391-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.37	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-4S-062817 — Lab Sample ID: 480-120391-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.5	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1D-062817 — Lab Sample ID: 480-120391-4

No Detections.

Client Sample ID: MW-6DD-062817 — Lab Sample ID: 480-120391-5

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	4.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1S-062817 — Lab Sample ID: 480-120391-6

No Detections.

Client Sample ID: MW-8DD-062817 — Lab Sample ID: 480-120391-7

No Detections.

Client Sample ID: MW-7DD-062817 — Lab Sample ID: 480-120391-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.50	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-8S-062817 — Lab Sample ID: 480-120391-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.1		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.58	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	3.1		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-7S-062817 — Lab Sample ID: 480-120391-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.0		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-8D-062817 — Lab Sample ID: 480-120391-11

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 480-120391-1

Client Sample ID: MW-8D-062817 (Continued) — Lab Sample ID: 480-120391-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.62	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.19	J	1.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	0.96	J	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-7D-062817 — Lab Sample ID: 480-120391-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.99	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: X-1-062817 — Lab Sample ID: 480-120391-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	14		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	8.9		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-120391-14

No Detections.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-120391-1

Client Sample ID: MW-6S-062817
Date Collected: 06/28/17 09:40
Date Received: 06/29/17 10:07

Lab Sample ID: 480-120391-1
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			07/07/17 17:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 17:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 17:42	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 17:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 17:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 17:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 17:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 17:42	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 17:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 17:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 17:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 17:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 17:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 17:42	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 17:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 17:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 17:42	1
Acetone	ND		10	3.0	ug/L			07/07/17 17:42	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 17:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 17:42	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 17:42	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 17:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 17:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 17:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 17:42	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 17:42	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 17:42	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 17:42	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 17:42	1
cis-1,2-Dichloroethene	**15**		1.0	0.81	ug/L			07/07/17 17:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 17:42	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 17:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 17:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 17:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 17:42	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 17:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 17:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 17:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 17:42	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 17:42	1
Tetrachloroethene	**0.39**	**J**	1.0	0.36	ug/L			07/07/17 17:42	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 17:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 17:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 17:42	1
Trichloroethene	ND		1.0	0.46	ug/L			07/07/17 17:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 17:42	1
Vinyl chloride	**9.1**		1.0	0.90	ug/L			07/07/17 17:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 17:42	1

Client Sample ID: MW-6S-062817

Lab Sample ID: 480-120391-1

Date Collected: 06/28/17 09:40

Matrix: Water

Date Received: 06/29/17 10:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*07/07/17 17:42*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*07/07/17 17:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*07/07/17 17:42*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*07/07/17 17:42*	*1*

Client Sample ID: MW-4D-062817

Lab Sample ID: 480-120391-2

Date Collected: 06/28/17 10:45

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 18:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 18:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 18:09	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 18:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 18:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 18:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 18:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 18:09	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 18:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 18:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 18:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 18:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 18:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 18:09	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 18:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 18:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 18:09	1
Acetone	ND		10	3.0	ug/L			07/07/17 18:09	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 18:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 18:09	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 18:09	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 18:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 18:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 18:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 18:09	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 18:09	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 18:09	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 18:09	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 18:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 18:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 18:09	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 18:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 18:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 18:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 18:09	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 18:09	1
Methyl tert-butyl ether	**0.37**	**J**	1.0	0.16	ug/L			07/07/17 18:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 18:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 18:09	1

Client Sample ID: MW-4D-062817

Lab Sample ID: 480-120391-2

Date Collected: 06/28/17 10:45

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 18:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 18:09	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 18:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 18:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 18:09	1
Trichloroethene	ND		1.0	0.46	ug/L			07/07/17 18:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 18:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 18:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*07/07/17 18:09*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/07/17 18:09*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*07/07/17 18:09*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*07/07/17 18:09*	*1*

Client Sample ID: MW-4S-062817

Lab Sample ID: 480-120391-3

Date Collected: 06/28/17 11:00

Matrix: Water

Date Received: 06/29/17 10:07

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			07/08/17 01:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/08/17 01:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/08/17 01:24	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/08/17 01:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/08/17 01:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/08/17 01:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/08/17 01:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/08/17 01:24	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/08/17 01:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/08/17 01:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/08/17 01:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/08/17 01:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/08/17 01:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/08/17 01:24	1
2-Hexanone	ND		5.0	1.2	ug/L			07/08/17 01:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/08/17 01:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/08/17 01:24	1
Acetone	**3.5**	**J**	10	3.0	ug/L			07/08/17 01:24	1
Benzene	ND		1.0	0.41	ug/L			07/08/17 01:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/08/17 01:24	1
Bromoform	ND		1.0	0.26	ug/L			07/08/17 01:24	1
Bromomethane	ND		1.0	0.69	ug/L			07/08/17 01:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/08/17 01:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/08/17 01:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/08/17 01:24	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/08/17 01:24	1
Chloroethane	ND		1.0	0.32	ug/L			07/08/17 01:24	1
Chloroform	ND		1.0	0.34	ug/L			07/08/17 01:24	1

Client Sample ID: MW-4S-062817

Lab Sample ID: 480-120391-3

Date Collected: 06/28/17 11:00

Matrix: Water

Date Received: 06/29/17 10:07

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			07/08/17 01:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/08/17 01:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/08/17 01:24	1
Cyclohexane	ND		1.0	0.18	ug/L			07/08/17 01:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/08/17 01:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/08/17 01:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/08/17 01:24	1
Methyl acetate	ND		1.3	1.3	ug/L			07/08/17 01:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/08/17 01:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/08/17 01:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/08/17 01:24	1
Styrene	ND		1.0	0.73	ug/L			07/08/17 01:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/08/17 01:24	1
Toluene	ND		1.0	0.51	ug/L			07/08/17 01:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/08/17 01:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/08/17 01:24	1
Trichloroethene	ND		1.0	0.46	ug/L			07/08/17 01:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/08/17 01:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/08/17 01:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/08/17 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*07/08/17 01:24*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/08/17 01:24*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*07/08/17 01:24*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*07/08/17 01:24*	*1*

Client Sample ID: MW-1D-062817

Lab Sample ID: 480-120391-4

Date Collected: 06/28/17 12:00

Matrix: Water

Date Received: 06/29/17 10:07

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			07/08/17 01:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/08/17 01:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/08/17 01:51	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/08/17 01:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/08/17 01:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/08/17 01:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/08/17 01:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/08/17 01:51	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/08/17 01:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/08/17 01:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/08/17 01:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/08/17 01:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/08/17 01:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/08/17 01:51	1
2-Hexanone	ND		5.0	1.2	ug/L			07/08/17 01:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/08/17 01:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/08/17 01:51	1

Client Sample ID: MW-1D-062817

Lab Sample ID: 480-120391-4

Date Collected: 06/28/17 12:00

Matrix: Water

Date Received: 06/29/17 10:07

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			07/08/17 01:51	1
Benzene	ND		1.0	0.41	ug/L			07/08/17 01:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/08/17 01:51	1
Bromoform	ND		1.0	0.26	ug/L			07/08/17 01:51	1
Bromomethane	ND		1.0	0.69	ug/L			07/08/17 01:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/08/17 01:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/08/17 01:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/08/17 01:51	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/08/17 01:51	1
Chloroethane	ND		1.0	0.32	ug/L			07/08/17 01:51	1
Chloroform	ND		1.0	0.34	ug/L			07/08/17 01:51	1
Chloromethane	ND		1.0	0.35	ug/L			07/08/17 01:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/08/17 01:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/08/17 01:51	1
Cyclohexane	ND		1.0	0.18	ug/L			07/08/17 01:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/08/17 01:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/08/17 01:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/08/17 01:51	1
Methyl acetate	ND		1.3	1.3	ug/L			07/08/17 01:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/08/17 01:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/08/17 01:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/08/17 01:51	1
Styrene	ND		1.0	0.73	ug/L			07/08/17 01:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/08/17 01:51	1
Toluene	ND		1.0	0.51	ug/L			07/08/17 01:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/08/17 01:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/08/17 01:51	1
Trichloroethene	ND		1.0	0.46	ug/L			07/08/17 01:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/08/17 01:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/08/17 01:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/08/17 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*07/08/17 01:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/08/17 01:51*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*07/08/17 01:51*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*07/08/17 01:51*	*1*

Client Sample ID: MW-6DD-062817

Lab Sample ID: 480-120391-5

Date Collected: 06/28/17 12:12

Matrix: Water

Date Received: 06/29/17 10:07

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			07/08/17 02:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/08/17 02:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/08/17 02:18	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/08/17 02:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/08/17 02:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/08/17 02:18	1

Client Sample ID: MW-6DD-062817
Date Collected: 06/28/17 12:12
Date Received: 06/29/17 10:07

Lab Sample ID: 480-120391-5
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			07/08/17 02:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/08/17 02:18	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/08/17 02:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/08/17 02:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/08/17 02:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/08/17 02:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/08/17 02:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/08/17 02:18	1
2-Hexanone	ND		5.0	1.2	ug/L			07/08/17 02:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/08/17 02:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/08/17 02:18	1
Acetone	ND		10	3.0	ug/L			07/08/17 02:18	1
Benzene	ND		1.0	0.41	ug/L			07/08/17 02:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/08/17 02:18	1
Bromoform	ND		1.0	0.26	ug/L			07/08/17 02:18	1
Bromomethane	ND		1.0	0.69	ug/L			07/08/17 02:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/08/17 02:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/08/17 02:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/08/17 02:18	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/08/17 02:18	1
Chloroethane	ND		1.0	0.32	ug/L			07/08/17 02:18	1
Chloroform	ND		1.0	0.34	ug/L			07/08/17 02:18	1
Chloromethane	ND		1.0	0.35	ug/L			07/08/17 02:18	1
cis-1,2-Dichloroethene	**24**		1.0	0.81	ug/L			07/08/17 02:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/08/17 02:18	1
Cyclohexane	ND		1.0	0.18	ug/L			07/08/17 02:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/08/17 02:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/08/17 02:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/08/17 02:18	1
Methyl acetate	ND		1.3	1.3	ug/L			07/08/17 02:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/08/17 02:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/08/17 02:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/08/17 02:18	1
Styrene	ND		1.0	0.73	ug/L			07/08/17 02:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/08/17 02:18	1
Toluene	ND		1.0	0.51	ug/L			07/08/17 02:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/08/17 02:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/08/17 02:18	1
Trichloroethene	ND		1.0	0.46	ug/L			07/08/17 02:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/08/17 02:18	1
Vinyl chloride	**4.5**		1.0	0.90	ug/L			07/08/17 02:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/08/17 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*07/08/17 02:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/08/17 02:18*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*07/08/17 02:18*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/08/17 02:18*	*1*

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

TestAmerica Job ID: 480-120391-1

Client Sample ID: MW-1S-062817
Date Collected: 06/28/17 12:45
Date Received: 06/29/17 10:07

Lab Sample ID: 480-120391-6
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			07/07/17 16:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 16:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 16:44	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 16:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 16:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 16:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 16:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 16:44	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 16:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 16:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 16:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 16:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 16:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 16:44	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 16:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 16:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 16:44	1
Acetone	ND		10	3.0	ug/L			07/07/17 16:44	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 16:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 16:44	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 16:44	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 16:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 16:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 16:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 16:44	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 16:44	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 16:44	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 16:44	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 16:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 16:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 16:44	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 16:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 16:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 16:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 16:44	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 16:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 16:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 16:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 16:44	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 16:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 16:44	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 16:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 16:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 16:44	1
Trichloroethene	ND		1.0	0.46	ug/L			07/07/17 16:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 16:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 16:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 16:44	1

Client Sample ID: MW-1S-062817

Lab Sample ID: 480-120391-6

Date Collected: 06/28/17 12:45

Matrix: Water

Date Received: 06/29/17 10:07

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*07/07/17 16:44*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/07/17 16:44*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*07/07/17 16:44*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*07/07/17 16:44*	*1*

Client Sample ID: MW-8DD-062817

Lab Sample ID: 480-120391-7

Date Collected: 06/28/17 14:40

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 17:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 17:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 17:07	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 17:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 17:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 17:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 17:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 17:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 17:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 17:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 17:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 17:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 17:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 17:07	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 17:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 17:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 17:07	1
Acetone	ND		10	3.0	ug/L			07/07/17 17:07	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 17:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 17:07	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 17:07	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 17:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 17:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 17:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 17:07	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 17:07	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 17:07	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 17:07	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 17:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 17:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 17:07	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 17:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 17:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 17:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 17:07	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 17:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 17:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 17:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 17:07	1

Client Sample ID: MW-8DD-062817

Lab Sample ID: 480-120391-7

Date Collected: 06/28/17 14:40

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 17:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 17:07	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 17:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 17:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 17:07	1
Trichloroethene	ND		1.0	0.46	ug/L			07/07/17 17:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 17:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 17:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*07/07/17 17:07*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/07/17 17:07*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*07/07/17 17:07*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*07/07/17 17:07*	*1*

Client Sample ID: MW-7DD-062817

Lab Sample ID: 480-120391-8

Date Collected: 06/28/17 15:20

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 17:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 17:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 17:30	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 17:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 17:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 17:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 17:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 17:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 17:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 17:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 17:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 17:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 17:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 17:30	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 17:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 17:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 17:30	1
Acetone	ND		10	3.0	ug/L			07/07/17 17:30	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 17:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 17:30	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 17:30	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 17:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 17:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 17:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 17:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 17:30	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 17:30	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 17:30	1

Client Sample ID: MW-7DD-062817

Lab Sample ID: 480-120391-8

Date Collected: 06/28/17 15:20

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 17:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 17:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 17:30	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 17:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 17:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 17:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 17:30	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 17:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 17:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 17:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 17:30	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 17:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 17:30	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 17:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 17:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 17:30	1
Trichloroethene	**0.50**	**J**	1.0	0.46	ug/L			07/07/17 17:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 17:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 17:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*07/07/17 17:30*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*07/07/17 17:30*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*07/07/17 17:30*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*07/07/17 17:30*	*1*

Client Sample ID: MW-8S-062817

Lab Sample ID: 480-120391-9

Date Collected: 06/28/17 15:35

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 17:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 17:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 17:53	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 17:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 17:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 17:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 17:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 17:53	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 17:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 17:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 17:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 17:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 17:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 17:53	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 17:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 17:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 17:53	1

Client Sample ID: MW-8S-062817

Lab Sample ID: 480-120391-9

Date Collected: 06/28/17 15:35

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 17:53	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 17:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 17:53	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 17:53	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 17:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 17:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 17:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 17:53	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 17:53	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 17:53	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 17:53	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 17:53	1
cis-1,2-Dichloroethene	**2.1**		1.0	0.81	ug/L			07/07/17 17:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 17:53	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 17:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 17:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 17:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 17:53	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 17:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 17:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 17:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 17:53	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 17:53	1
Tetrachloroethene	**0.58**	**J**	1.0	0.36	ug/L			07/07/17 17:53	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 17:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 17:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 17:53	1
Trichloroethene	**3.1**		1.0	0.46	ug/L			07/07/17 17:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 17:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 17:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*07/07/17 17:53*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*07/07/17 17:53*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*07/07/17 17:53*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*07/07/17 17:53*	*1*

Client Sample ID: MW-7S-062817

Lab Sample ID: 480-120391-10

Date Collected: 06/28/17 16:10

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 18:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 18:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 18:16	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 18:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 18:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 18:16	1

Client Sample ID: MW-7S-062817
Date Collected: 06/28/17 16:10
Date Received: 06/29/17 10:07

Lab Sample ID: 480-120391-10
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			07/07/17 18:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 18:16	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 18:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 18:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 18:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 18:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 18:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 18:16	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 18:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 18:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 18:16	1
Acetone	ND		10	3.0	ug/L			07/07/17 18:16	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 18:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 18:16	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 18:16	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 18:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 18:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 18:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 18:16	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 18:16	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 18:16	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 18:16	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 18:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 18:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 18:16	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 18:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 18:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 18:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 18:16	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 18:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 18:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 18:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 18:16	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 18:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 18:16	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 18:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 18:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 18:16	1
Trichloroethene	**1.0**		1.0	0.46	ug/L			07/07/17 18:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 18:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 18:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*07/07/17 18:16*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/07/17 18:16*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*07/07/17 18:16*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*07/07/17 18:16*	*1*

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

TestAmerica Job ID: 480-120391-1

Client Sample ID: MW-8D-062817
Date Collected: 06/28/17 16:30
Date Received: 06/29/17 10:07

Lab Sample ID: 480-120391-11
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			07/07/17 18:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 18:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 18:39	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 18:39	1
1,1-Dichloroethane	**0.62**	**J**	1.0	0.38	ug/L			07/07/17 18:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 18:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 18:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 18:39	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 18:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 18:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 18:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 18:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 18:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 18:39	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 18:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 18:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 18:39	1
Acetone	ND		10	3.0	ug/L			07/07/17 18:39	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 18:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 18:39	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 18:39	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 18:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 18:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 18:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 18:39	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 18:39	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 18:39	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 18:39	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 18:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 18:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 18:39	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 18:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 18:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 18:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 18:39	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 18:39	1
Methyl tert-butyl ether	**0.19**	**J**	1.0	0.16	ug/L			07/07/17 18:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 18:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 18:39	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 18:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 18:39	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 18:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 18:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 18:39	1
Trichloroethene	ND		1.0	0.46	ug/L			07/07/17 18:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 18:39	1
Vinyl chloride	**0.96**	**J**	1.0	0.90	ug/L			07/07/17 18:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 18:39	1

Client Sample ID: MW-8D-062817

Lab Sample ID: 480-120391-11

Date Collected: 06/28/17 16:30

Matrix: Water

Date Received: 06/29/17 10:07

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*07/07/17 18:39*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/07/17 18:39*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*07/07/17 18:39*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*07/07/17 18:39*	*1*

Client Sample ID: MW-7D-062817

Lab Sample ID: 480-120391-12

Date Collected: 06/28/17 16:55

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 19:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 19:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 19:02	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 19:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 19:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 19:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 19:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 19:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 19:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 19:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 19:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 19:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 19:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 19:02	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 19:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 19:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 19:02	1
Acetone	ND		10	3.0	ug/L			07/07/17 19:02	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 19:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 19:02	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 19:02	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 19:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 19:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 19:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 19:02	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 19:02	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 19:02	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 19:02	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 19:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 19:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 19:02	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 19:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 19:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 19:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 19:02	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 19:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 19:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 19:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 19:02	1

Client Sample ID: MW-7D-062817

Lab Sample ID: 480-120391-12

Date Collected: 06/28/17 16:55

Matrix: Water

Date Received: 06/29/17 10:07

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			07/07/17 19:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 19:02	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 19:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 19:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 19:02	1
Trichloroethene	**0.99**	**J**	1.0	0.46	ug/L			07/07/17 19:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 19:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 19:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*07/07/17 19:02*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/07/17 19:02*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*07/07/17 19:02*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/07/17 19:02*	*1*

Client Sample ID: X-1-062817

Lab Sample ID: 480-120391-13

Date Collected: 06/28/17 00:00

Matrix: Water

Date Received: 06/29/17 10:07

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			07/08/17 05:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/08/17 05:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/08/17 05:23	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/08/17 05:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/08/17 05:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/08/17 05:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/08/17 05:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/08/17 05:23	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/08/17 05:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/08/17 05:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/08/17 05:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/08/17 05:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/08/17 05:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/08/17 05:23	1
2-Hexanone	ND		5.0	1.2	ug/L			07/08/17 05:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/08/17 05:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/08/17 05:23	1
Acetone	ND		10	3.0	ug/L			07/08/17 05:23	1
Benzene	ND		1.0	0.41	ug/L			07/08/17 05:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/08/17 05:23	1
Bromoform	ND		1.0	0.26	ug/L			07/08/17 05:23	1
Bromomethane	ND		1.0	0.69	ug/L			07/08/17 05:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/08/17 05:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/08/17 05:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/08/17 05:23	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/08/17 05:23	1
Chloroethane	ND		1.0	0.32	ug/L			07/08/17 05:23	1
Chloroform	ND		1.0	0.34	ug/L			07/08/17 05:23	1

Client Sample ID: X-1-062817

Lab Sample ID: 480-120391-13

Date Collected: 06/28/17 00:00

Matrix: Water

Date Received: 06/29/17 10:07

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			07/08/17 05:23	1
cis-1,2-Dichloroethene	**14**		1.0	0.81	ug/L			07/08/17 05:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/08/17 05:23	1
Cyclohexane	ND		1.0	0.18	ug/L			07/08/17 05:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/08/17 05:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/08/17 05:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/08/17 05:23	1
Methyl acetate	ND		1.3	1.3	ug/L			07/08/17 05:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/08/17 05:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/08/17 05:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/08/17 05:23	1
Styrene	ND		1.0	0.73	ug/L			07/08/17 05:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/08/17 05:23	1
Toluene	ND		1.0	0.51	ug/L			07/08/17 05:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/08/17 05:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/08/17 05:23	1
Trichloroethene	ND		1.0	0.46	ug/L			07/08/17 05:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/08/17 05:23	1
Vinyl chloride	**8.9**		1.0	0.90	ug/L			07/08/17 05:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/08/17 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*07/08/17 05:23*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/08/17 05:23*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*07/08/17 05:23*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*07/08/17 05:23*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-120391-14

Date Collected: 06/28/17 00:00

Matrix: Water

Date Received: 06/29/17 10:07

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			07/08/17 05:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/08/17 05:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/08/17 05:46	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/08/17 05:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/08/17 05:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/08/17 05:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/08/17 05:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/08/17 05:46	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/08/17 05:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/08/17 05:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/08/17 05:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/08/17 05:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/08/17 05:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/08/17 05:46	1
2-Hexanone	ND		5.0	1.2	ug/L			07/08/17 05:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/08/17 05:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/08/17 05:46	1

Client Sample ID: TRIP BLANK
Date Collected: 06/28/17 00:00
Date Received: 06/29/17 10:07

Lab Sample ID: 480-120391-14
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			07/08/17 05:46	1
Benzene	ND		1.0	0.41	ug/L			07/08/17 05:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/08/17 05:46	1
Bromoform	ND		1.0	0.26	ug/L			07/08/17 05:46	1
Bromomethane	ND		1.0	0.69	ug/L			07/08/17 05:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/08/17 05:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/08/17 05:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/08/17 05:46	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/08/17 05:46	1
Chloroethane	ND		1.0	0.32	ug/L			07/08/17 05:46	1
Chloroform	ND		1.0	0.34	ug/L			07/08/17 05:46	1
Chloromethane	ND		1.0	0.35	ug/L			07/08/17 05:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/08/17 05:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/08/17 05:46	1
Cyclohexane	ND		1.0	0.18	ug/L			07/08/17 05:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/08/17 05:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/08/17 05:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/08/17 05:46	1
Methyl acetate	ND		1.3	1.3	ug/L			07/08/17 05:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/08/17 05:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/08/17 05:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/08/17 05:46	1
Styrene	ND		1.0	0.73	ug/L			07/08/17 05:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/08/17 05:46	1
Toluene	ND		1.0	0.51	ug/L			07/08/17 05:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/08/17 05:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/08/17 05:46	1
Trichloroethene	ND		1.0	0.46	ug/L			07/08/17 05:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/08/17 05:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/08/17 05:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/08/17 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*07/08/17 05:46*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/08/17 05:46*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*07/08/17 05:46*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*07/08/17 05:46*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-120391-1

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	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-120391-1	MW-6S-062817	109	103	100	107
480-120391-2	MW-4D-062817	109	102	97	107
480-120391-3	MW-4S-062817	107	99	98	102
480-120391-4	MW-1D-062817	108	99	97	104
480-120391-5	MW-6DD-062817	100	99	97	98
480-120391-6	MW-1S-062817	99	90	87	97
480-120391-7	MW-8DD-062817	98	90	87	92
480-120391-8	MW-7DD-062817	100	89	88	91
480-120391-9	MW-8S-062817	98	88	86	94
480-120391-10	MW-7S-062817	100	91	89	93
480-120391-11	MW-8D-062817	101	91	87	93
480-120391-12	MW-7D-062817	102	90	89	98
480-120391-13	X-1-062817	104	93	88	100
480-120391-14	TRIP BLANK	105	90	85	95
LCS 480-365816/7	Lab Control Sample	105	101	97	106
LCS 480-365820/4	Lab Control Sample	93	91	90	91
LCS 480-365974/4	Lab Control Sample	104	103	93	105
LCS 480-365981/5	Lab Control Sample	98	94	91	95
MB 480-365816/32	Method Blank	105	102	101	107
MB 480-365820/6	Method Blank	100	91	90	94
MB 480-365974/7	Method Blank	107	100	96	107
MB 480-365981/7	Method Blank	102	92	90	98

Surrogate Legend

12DCE = 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 480-365816/32
Matrix: Water
Analysis Batch: 365816

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			07/07/17 12:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 12:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 12:29	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 12:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 12:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 12:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 12:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 12:29	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 12:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 12:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 12:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 12:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 12:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 12:29	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 12:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 12:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 12:29	1
Acetone	ND		10	3.0	ug/L			07/07/17 12:29	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 12:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 12:29	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 12:29	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 12:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 12:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 12:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 12:29	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 12:29	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 12:29	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 12:29	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 12:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 12:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 12:29	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 12:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 12:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 12:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 12:29	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 12:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 12:29	1
Methylcyclohexane	0.740	J	1.0	0.16	ug/L			07/07/17 12:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 12:29	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 12:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 12:29	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 12:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 12:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 12:29	1
Trichloroethene	ND		1.0	0.46	ug/L			07/07/17 12:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 12:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 12:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 12:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*07/07/17 12:29*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/07/17 12:29*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*07/07/17 12:29*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*07/07/17 12:29*	*1*

Lab Sample ID: LCS 480-365816/7
Matrix: Water
Analysis Batch: 365816

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	20.7		ug/L		83	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	76 - 120
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	19.5		ug/L		78	61 - 148
1,1-Dichloroethane	25.0	21.6		ug/L		87	77 - 120
1,1-Dichloroethene	25.0	20.6		ug/L		82	66 - 127
1,2,4-Trichlorobenzene	25.0	22.7		ug/L		91	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.0		ug/L		84	56 - 134
1,2-Dibromoethane (EDB)	25.0	24.1		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	22.8		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	21.9		ug/L		88	75 - 120
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	22.6		ug/L		90	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Hexanone	125	126		ug/L		101	65 - 127
2-Butanone (MEK)	125	118		ug/L		95	57 - 140
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	142		ug/L		114	56 - 142
Benzene	25.0	22.2		ug/L		89	71 - 124
Bromodichloromethane	25.0	23.7		ug/L		95	80 - 122
Bromoform	25.0	24.2		ug/L		97	61 - 132
Bromomethane	25.0	31.1		ug/L		125	55 - 144
Carbon disulfide	25.0	18.7		ug/L		75	59 - 134
Carbon tetrachloride	25.0	19.9		ug/L		80	72 - 134
Chlorobenzene	25.0	22.3		ug/L		89	80 - 120
Chlorodibromomethane	25.0	24.8		ug/L		99	75 - 125
Chloroethane	25.0	26.4		ug/L		106	69 - 136
Chloroform	25.0	21.5		ug/L		86	73 - 127
Chloromethane	25.0	20.3		ug/L		81	68 - 124
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Cyclohexane	25.0	19.0		ug/L		76	59 - 135
Dichlorodifluoromethane	25.0	21.0		ug/L		84	59 - 135
Ethylbenzene	25.0	22.3		ug/L		89	77 - 123
Isopropylbenzene	25.0	21.8		ug/L		87	77 - 122
Methyl acetate	125	116		ug/L		93	74 - 133
Methyl tert-butyl ether	25.0	24.1		ug/L		96	77 - 120
Methylcyclohexane	25.0	21.8		ug/L		87	68 - 134
Methylene Chloride	25.0	20.9		ug/L		83	75 - 124
Styrene	25.0	23.7		ug/L		95	80 - 120
Tetrachloroethene	25.0	22.6		ug/L		90	74 - 122
Toluene	25.0	22.0		ug/L		88	80 - 122
trans-1,2-Dichloroethene	25.0	20.4		ug/L		82	73 - 127
trans-1,3-Dichloropropene	25.0	24.6		ug/L		99	80 - 120

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

Lab Sample ID: LCS 480-365816/7
Matrix: Water
Analysis Batch: 365816

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	25.0	22.3		ug/L		89	74 - 123
Trichlorofluoromethane	25.0	26.2		ug/L		105	62 - 150
Vinyl chloride	25.0	21.4		ug/L		85	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: MB 480-365820/6
Matrix: Water
Analysis Batch: 365820

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			07/07/17 12:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 12:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 12:16	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 12:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 12:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 12:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 12:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 12:16	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 12:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 12:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 12:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 12:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 12:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 12:16	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 12:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 12:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 12:16	1
Acetone	ND		10	3.0	ug/L			07/07/17 12:16	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 12:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 12:16	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 12:16	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 12:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 12:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 12:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 12:16	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 12:16	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 12:16	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 12:16	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 12:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 12:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 12:16	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 12:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 12:16	1

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

Lab Sample ID: MB 480-365820/6
Matrix: Water
Analysis Batch: 365820

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 12:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 12:16	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 12:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 12:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 12:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 12:16	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 12:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 12:16	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 12:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 12:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 12:16	1
Trichloroethene	ND		1.0	0.46	ug/L			07/07/17 12:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 12:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 12:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 12:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*07/07/17 12:16*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/07/17 12:16*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*07/07/17 12:16*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*07/07/17 12:16*	*1*

Lab Sample ID: LCS 480-365820/4
Matrix: Water
Analysis Batch: 365820

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	24.6		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	23.6		ug/L		94	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	21.6		ug/L		87	61 - 148
1,1-Dichloroethane	25.0	23.9		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	22.6		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	24.0		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.8		ug/L		87	56 - 134
1,2-Dibromoethane (EDB)	25.0	23.4		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	23.9		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	24.5		ug/L		98	76 - 120
1,3-Dichlorobenzene	25.0	23.9		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.4		ug/L		94	80 - 120
2-Hexanone	125	127		ug/L		102	65 - 127
2-Butanone (MEK)	125	122		ug/L		98	57 - 140
4-Methyl-2-pentanone (MIBK)	125	129		ug/L		103	71 - 125
Acetone	125	126		ug/L		100	56 - 142
Benzene	25.0	22.8		ug/L		91	71 - 124
Bromodichloromethane	25.0	23.7		ug/L		95	80 - 122
Bromoform	25.0	21.7		ug/L		87	61 - 132

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

Lab Sample ID: LCS 480-365820/4
Matrix: Water
Analysis Batch: 365820

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	25.0	20.3		ug/L		81	55 - 144
Carbon disulfide	25.0	21.3		ug/L		85	59 - 134
Carbon tetrachloride	25.0	23.0		ug/L		92	72 - 134
Chlorobenzene	25.0	22.7		ug/L		91	80 - 120
Chlorodibromomethane	25.0	23.8		ug/L		95	75 - 125
Chloroethane	25.0	24.5		ug/L		98	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	22.6		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	22.1		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	24.5		ug/L		98	74 - 124
Cyclohexane	25.0	23.1		ug/L		93	59 - 135
Dichlorodifluoromethane	25.0	25.1		ug/L		100	59 - 135
Ethylbenzene	25.0	23.5		ug/L		94	77 - 123
Isopropylbenzene	25.0	24.4		ug/L		98	77 - 122
Methyl acetate	125	120		ug/L		96	74 - 133
Methyl tert-butyl ether	25.0	23.4		ug/L		93	77 - 120
Methylcyclohexane	25.0	23.5		ug/L		94	68 - 134
Methylene Chloride	25.0	21.0		ug/L		84	75 - 124
Styrene	25.0	24.1		ug/L		96	80 - 120
Tetrachloroethene	25.0	23.0		ug/L		92	74 - 122
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	80 - 120
Trichloroethene	25.0	23.0		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	25.9		ug/L		104	62 - 150
Vinyl chloride	25.0	24.4		ug/L		98	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
Toluene-d8 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*
Dibromofluoromethane (Surr)	*91*		*75 - 123*

Lab Sample ID: MB 480-365974/7
Matrix: Water
Analysis Batch: 365974

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			07/07/17 23:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 23:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 23:30	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 23:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 23:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 23:30	1
1,2,4-Trichlorobenzene	0.528	J	1.0	0.41	ug/L			07/07/17 23:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 23:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 23:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 23:30	1

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

Lab Sample ID: MB 480-365974/7
Matrix: Water
Analysis Batch: 365974

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 23:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 23:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 23:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 23:30	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 23:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 23:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 23:30	1
Acetone	ND		10	3.0	ug/L			07/07/17 23:30	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 23:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 23:30	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 23:30	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 23:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 23:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 23:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 23:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 23:30	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 23:30	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 23:30	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 23:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 23:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 23:30	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 23:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 23:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 23:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 23:30	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 23:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 23:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 23:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/07/17 23:30	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 23:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 23:30	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 23:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 23:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 23:30	1
Trichloroethene	ND		1.0	0.46	ug/L			07/07/17 23:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 23:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 23:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 23:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*07/07/17 23:30*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/07/17 23:30*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*07/07/17 23:30*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*07/07/17 23:30*	*1*

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

Lab Sample ID: LCS 480-365974/4
Matrix: Water
Analysis Batch: 365974

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	21.2		ug/L		85	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	20.4		ug/L		82	61 - 148
1,1-Dichloroethane	25.0	21.8		ug/L		87	77 - 120
1,1-Dichloroethene	25.0	21.0		ug/L		84	66 - 127
1,2,4-Trichlorobenzene	25.0	23.4		ug/L		94	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.6		ug/L		90	56 - 134
1,2-Dibromoethane (EDB)	25.0	24.6		ug/L		98	77 - 120
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	22.1		ug/L		88	75 - 120
1,2-Dichloropropane	25.0	23.2		ug/L		93	76 - 120
1,3-Dichlorobenzene	25.0	22.0		ug/L		88	77 - 120
1,4-Dichlorobenzene	25.0	22.8		ug/L		91	80 - 120
2-Hexanone	125	129		ug/L		103	65 - 127
2-Butanone (MEK)	125	134		ug/L		107	57 - 140
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		98	71 - 125
Acetone	125	155		ug/L		124	56 - 142
Benzene	25.0	21.9		ug/L		88	71 - 124
Bromodichloromethane	25.0	22.9		ug/L		92	80 - 122
Bromoform	25.0	22.4		ug/L		90	61 - 132
Bromomethane	25.0	28.8		ug/L		115	55 - 144
Carbon disulfide	25.0	19.7		ug/L		79	59 - 134
Carbon tetrachloride	25.0	21.4		ug/L		86	72 - 134
Chlorobenzene	25.0	21.4		ug/L		85	80 - 120
Chlorodibromomethane	25.0	23.4		ug/L		94	75 - 125
Chloroethane	25.0	25.1		ug/L		101	69 - 136
Chloroform	25.0	21.6		ug/L		86	73 - 127
Chloromethane	25.0	19.2		ug/L		77	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	24.5		ug/L		98	74 - 124
Cyclohexane	25.0	19.8		ug/L		79	59 - 135
Dichlorodifluoromethane	25.0	19.0		ug/L		76	59 - 135
Ethylbenzene	25.0	21.6		ug/L		86	77 - 123
Isopropylbenzene	25.0	22.3		ug/L		89	77 - 122
Methyl acetate	125	120		ug/L		96	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	20.0		ug/L		80	68 - 134
Methylene Chloride	25.0	21.1		ug/L		84	75 - 124
Styrene	25.0	22.8		ug/L		91	80 - 120
Tetrachloroethene	25.0	20.2		ug/L		81	74 - 122
Toluene	25.0	21.1		ug/L		84	80 - 122
trans-1,2-Dichloroethene	25.0	21.1		ug/L		84	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	21.8		ug/L		87	74 - 123
Trichlorofluoromethane	25.0	22.1		ug/L		88	62 - 150
Vinyl chloride	25.0	20.0		ug/L		80	65 - 133

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

Lab Sample ID: LCS 480-365974/4
Matrix: Water
Analysis Batch: 365974

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Lab Sample ID: MB 480-365981/7
Matrix: Water
Analysis Batch: 365981

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			07/07/17 23:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/07/17 23:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/07/17 23:03	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			07/07/17 23:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/07/17 23:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/07/17 23:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/07/17 23:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/07/17 23:03	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			07/07/17 23:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/07/17 23:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/07/17 23:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/07/17 23:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/07/17 23:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/07/17 23:03	1
2-Hexanone	ND		5.0	1.2	ug/L			07/07/17 23:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/07/17 23:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/07/17 23:03	1
Acetone	ND		10	3.0	ug/L			07/07/17 23:03	1
Benzene	ND		1.0	0.41	ug/L			07/07/17 23:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/07/17 23:03	1
Bromoform	ND		1.0	0.26	ug/L			07/07/17 23:03	1
Bromomethane	ND		1.0	0.69	ug/L			07/07/17 23:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/07/17 23:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/07/17 23:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/07/17 23:03	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			07/07/17 23:03	1
Chloroethane	ND		1.0	0.32	ug/L			07/07/17 23:03	1
Chloroform	ND		1.0	0.34	ug/L			07/07/17 23:03	1
Chloromethane	ND		1.0	0.35	ug/L			07/07/17 23:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/07/17 23:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/07/17 23:03	1
Cyclohexane	ND		1.0	0.18	ug/L			07/07/17 23:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/07/17 23:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/07/17 23:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/07/17 23:03	1
Methyl acetate	ND		1.3	1.3	ug/L			07/07/17 23:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/07/17 23:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/07/17 23:03	1

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

Lab Sample ID: MB 480-365981/7
Matrix: Water
Analysis Batch: 365981

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			07/07/17 23:03	1
Styrene	ND		1.0	0.73	ug/L			07/07/17 23:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/07/17 23:03	1
Toluene	ND		1.0	0.51	ug/L			07/07/17 23:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/07/17 23:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/07/17 23:03	1
Trichloroethene	ND		1.0	0.46	ug/L			07/07/17 23:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/07/17 23:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/07/17 23:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/07/17 23:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*07/07/17 23:03*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/07/17 23:03*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*07/07/17 23:03*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/07/17 23:03*	*1*

Lab Sample ID: LCS 480-365981/5
Matrix: Water
Analysis Batch: 365981

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		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	22.2		ug/L		89	61 - 148
1,1-Dichloroethane	25.0	23.6		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	21.4		ug/L		86	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.9		ug/L		96	56 - 134
1,2-Dibromoethane (EDB)	25.0	25.0		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	24.3		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	24.1		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		97	80 - 120
2-Hexanone	125	137		ug/L		109	65 - 127
2-Butanone (MEK)	125	128		ug/L		103	57 - 140
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		109	71 - 125
Acetone	125	132		ug/L		106	56 - 142
Benzene	25.0	22.6		ug/L		90	71 - 124
Bromodichloromethane	25.0	25.9		ug/L		104	80 - 122
Bromoform	25.0	24.6		ug/L		99	61 - 132
Bromomethane	25.0	20.7		ug/L		83	55 - 144
Carbon disulfide	25.0	21.7		ug/L		87	59 - 134
Carbon tetrachloride	25.0	24.2		ug/L		97	72 - 134
Chlorobenzene	25.0	22.8		ug/L		91	80 - 120
Chlorodibromomethane	25.0	26.0		ug/L		104	75 - 125

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

Lab Sample ID: LCS 480-365981/5
Matrix: Water
Analysis Batch: 365981

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	23.9		ug/L		95	69 - 136
Chloroform	25.0	23.6		ug/L		94	73 - 127
Chloromethane	25.0	20.0		ug/L		80	68 - 124
cis-1,2-Dichloroethene	25.0	21.7		ug/L		87	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Cyclohexane	25.0	21.6		ug/L		86	59 - 135
Dichlorodifluoromethane	25.0	19.3		ug/L		77	59 - 135
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Isopropylbenzene	25.0	23.8		ug/L		95	77 - 122
Methyl acetate	125	123		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	24.3		ug/L		97	77 - 120
Methylcyclohexane	25.0	20.5		ug/L		82	68 - 134
Methylene Chloride	25.0	22.1		ug/L		88	75 - 124
Styrene	25.0	25.3		ug/L		101	80 - 120
Tetrachloroethene	25.0	21.8		ug/L		87	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	22.3		ug/L		89	73 - 127
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	80 - 120
Trichloroethene	25.0	23.0		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	22.3		ug/L		89	62 - 150
Vinyl chloride	25.0	20.9		ug/L		83	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

GC/MS VOA

Analysis Batch: 365816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120391-1	MW-6S-062817	Total/NA	Water	8260C	
480-120391-2	MW-4D-062817	Total/NA	Water	8260C	
MB 480-365816/32	Method Blank	Total/NA	Water	8260C	
LCS 480-365816/7	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 365820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120391-6	MW-1S-062817	Total/NA	Water	8260C	
480-120391-7	MW-8DD-062817	Total/NA	Water	8260C	
480-120391-8	MW-7DD-062817	Total/NA	Water	8260C	
480-120391-9	MW-8S-062817	Total/NA	Water	8260C	
480-120391-10	MW-7S-062817	Total/NA	Water	8260C	
480-120391-11	MW-8D-062817	Total/NA	Water	8260C	
480-120391-12	MW-7D-062817	Total/NA	Water	8260C	
MB 480-365820/6	Method Blank	Total/NA	Water	8260C	
LCS 480-365820/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 365974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120391-3	MW-4S-062817	Total/NA	Water	8260C	
480-120391-4	MW-1D-062817	Total/NA	Water	8260C	
480-120391-5	MW-6DD-062817	Total/NA	Water	8260C	
MB 480-365974/7	Method Blank	Total/NA	Water	8260C	
LCS 480-365974/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 365981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-120391-13	X-1-062817	Total/NA	Water	8260C	
480-120391-14	TRIP BLANK	Total/NA	Water	8260C	
MB 480-365981/7	Method Blank	Total/NA	Water	8260C	
LCS 480-365981/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-120391-1

Client Sample ID: MW-6S-062817
Lab Sample ID: 480-120391-1
Date Collected: 06/28/17 09:40
Matrix: Water
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365816	07/07/17 17:42	ARS	TAL BUF

Client Sample ID: MW-4D-062817
Lab Sample ID: 480-120391-2
Date Collected: 06/28/17 10:45
Matrix: Water
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365816	07/07/17 18:09	ARS	TAL BUF

Client Sample ID: MW-4S-062817
Lab Sample ID: 480-120391-3
Date Collected: 06/28/17 11:00
Matrix: Water
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365974	07/08/17 01:24	RJF	TAL BUF

Client Sample ID: MW-1D-062817
Lab Sample ID: 480-120391-4
Date Collected: 06/28/17 12:00
Matrix: Water
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365974	07/08/17 01:51	RJF	TAL BUF

Client Sample ID: MW-6DD-062817
Lab Sample ID: 480-120391-5
Date Collected: 06/28/17 12:12
Matrix: Water
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365974	07/08/17 02:18	RJF	TAL BUF

Client Sample ID: MW-1S-062817
Lab Sample ID: 480-120391-6
Date Collected: 06/28/17 12:45
Matrix: Water
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365820	07/07/17 16:44	ARS	TAL BUF

Client Sample ID: MW-8DD-062817

Lab Sample ID: 480-120391-7
Matrix: Water
Date Collected: 06/28/17 14:40
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365820	07/07/17 17:07	ARS	TAL BUF

Client Sample ID: MW-7DD-062817

Lab Sample ID: 480-120391-8
Matrix: Water
Date Collected: 06/28/17 15:20
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365820	07/07/17 17:30	ARS	TAL BUF

Client Sample ID: MW-8S-062817

Lab Sample ID: 480-120391-9
Matrix: Water
Date Collected: 06/28/17 15:35
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365820	07/07/17 17:53	ARS	TAL BUF

Client Sample ID: MW-7S-062817

Lab Sample ID: 480-120391-10
Matrix: Water
Date Collected: 06/28/17 16:10
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365820	07/07/17 18:16	ARS	TAL BUF

Client Sample ID: MW-8D-062817

Lab Sample ID: 480-120391-11
Matrix: Water
Date Collected: 06/28/17 16:30
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365820	07/07/17 18:39	ARS	TAL BUF

Client Sample ID: MW-7D-062817

Lab Sample ID: 480-120391-12
Matrix: Water
Date Collected: 06/28/17 16:55
Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365820	07/07/17 19:02	ARS	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-120391-1

Client Sample ID: X-1-062817

Lab Sample ID: 480-120391-13

Date Collected: 06/28/17 00:00

Matrix: Water

Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365981	07/08/17 05:23	RJF	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-120391-14

Date Collected: 06/28/17 00:00

Matrix: Water

Date Received: 06/29/17 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	365981	07/08/17 05:46	RJF	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 Monitoring

TestAmerica Job ID: 480-120391-1

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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-120391-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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 = 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

TestAmerica Job ID: 480-120391-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-120391-1	MW-6S-062817	Water	06/28/17 09:40	06/29/17 10:07
480-120391-2	MW-4D-062817	Water	06/28/17 10:45	06/29/17 10:07
480-120391-3	MW-4S-062817	Water	06/28/17 11:00	06/29/17 10:07
480-120391-4	MW-1D-062817	Water	06/28/17 12:00	06/29/17 10:07
480-120391-5	MW-6DD-062817	Water	06/28/17 12:12	06/29/17 10:07
480-120391-6	MW-1S-062817	Water	06/28/17 12:45	06/29/17 10:07
480-120391-7	MW-8DD-062817	Water	06/28/17 14:40	06/29/17 10:07
480-120391-8	MW-7DD-062817	Water	06/28/17 15:20	06/29/17 10:07
480-120391-9	MW-8S-062817	Water	06/28/17 15:35	06/29/17 10:07
480-120391-10	MW-7S-062817	Water	06/28/17 16:10	06/29/17 10:07
480-120391-11	MW-8D-062817	Water	06/28/17 16:30	06/29/17 10:07
480-120391-12	MW-7D-062817	Water	06/28/17 16:55	06/29/17 10:07
480-120391-13	X-1-062817	Water	06/28/17 00:00	06/29/17 10:07
480-120391-14	TRIP BLANK	Water	06/28/17 00:00	06/29/17 10:07

Quantitation Limit Exceptions Summary

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

TestAmerica Job ID: 480-120391-1

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	Matrix	Analyte	Units	Client RL	Lab PQL
8260C	Water	Methyl acetate	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: Alayna Fuess, Mike Mellen	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-98696-15479.1
Client Contact: Mr. Yuri Veliz	Phone: 315-956-6401	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): Standard			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11511119			
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
D - Ni
E - Na
F - Me
G - An
H - As
I - Ice
J - DI
K - ED
L - EDA
Other:

480-120391 COC

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-6S-062817	6/28/17	0940	G	Water			X	3	
MW-4D-062817		1045		Water			X	3	
MW-4S-062817		1100		Water			X	3	
MW-1D-062817		1200		Water			X	3	
MW-6DD-062817		1212		Water			X	3	
MW-1S-062817		1245		Water			X	3	
MW-8DD-062817		1440		Water			X	3	
MW-7DD-062817		1520		Water			X	3	
MW-8S-062817		1535		Water			X	3	
MW-7S-062817		1610		Water			X	3	
MW-8D-062817		1630		Water			X	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
Alayna Fuess	6/29/17, 1007	OBG		6/29/17, 1007	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

7/13/2017

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: Alayna Fuess, Mike Keller	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-98696-15479.2
Client Contact: Mr. Yuri Veliz	Phone: 315-956-6401	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): Standard			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11511119			
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 Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-7D-062817	6/28/17	1655	G	Water			X	3	
X-1-062817	6/28/17	—	G	Water			X	3	
Trip Blank	6/28/17	—	—	Water				2	
				Water					
				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
1	Alayna Fuess	6/29/17, 10:07	OBG	Client Courier	6/29/17, 10:07	TAB
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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: 5.2 #1 ICE

7/13/2017

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-120391-1

Login Number: 120391
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	

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

September 22, 2017

David Carnevale
O'Brien & Gere
333 W Washington St
Syracuse, NY 13202

RE: **FOREST GLEN**
Pace Workorder: 23865

Dear David Carnevale:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, September 14, 2017. 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 09/22/2017
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 24

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 and Solid & Hazardous Waste
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:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
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).

CERTIFICATE OF ANALYSIS

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Pittsburgh, PA 15238
Phone: (412) 826-5245
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SAMPLE SUMMARY

Workorder: 23865 FOREST GLEN

Lab ID	Sample ID	Matrix	Date Collected	Date Received
238650001	MW1S 091217	Water	9/12/2017 10:30	9/14/2017 11:00
238650002	MW1D 091217	Water	9/12/2017 10:52	9/14/2017 11:00
238650003	MW6D 091217	Water	9/12/2017 13:02	9/14/2017 11:00
238650004	MW10S 091217	Water	9/12/2017 14:10	9/14/2017 11:00
238650005	MW6DD 091217	Water	9/12/2017 15:25	9/14/2017 11:00
238650006	MW10D 091217	Water	9/12/2017 15:30	9/14/2017 11:00
238650007	X-1 091217	Water	9/12/2017 00:00	9/14/2017 11:00
238650008	MW8D 091317	Water	9/13/2017 09:05	9/14/2017 11:00
238650009	MW8DD 091317	Water	9/13/2017 09:17	9/14/2017 11:00
238650010	MW8S 091317	Water	9/13/2017 11:05	9/14/2017 11:00
238650011	MW8S MS 091317	Water	9/13/2017 11:05	9/14/2017 11:00
238650012	MW8S MSD 091317	Water	9/13/2017 11:05	9/14/2017 11:00
238650013	MW7DD 091317	Water	9/13/2017 11:08	9/14/2017 11:00
238650014	MW7D 091317	Water	9/13/2017 13:20	9/14/2017 11:00
238650015	MW7S 091317	Water	9/13/2017 13:25	9/14/2017 11:00

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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650001** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW1S 091217** Date Collected: 9/12/2017 10:30

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.74**	ug/l	0.50	0.031	1	9/19/2017 08:45	AK	B
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	9/19/2017 08:45	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/19/2017 08:45	AK	

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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650002** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW1D 091217** Date Collected: 9/12/2017 10:52

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	0.031	1	9/19/2017 08:55	AK	B
Ethane	**0.10J**	ug/l	0.20	0.0060	1	9/19/2017 08:55	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/19/2017 08:55	AK	

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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650003** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW6D 091217** Date Collected: 9/12/2017 13:02

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**210**	ug/l	0.50	0.031	1	9/19/2017 09:06	AK	B
Ethane	**0.13J**	ug/l	0.20	0.0060	1	9/19/2017 09:06	AK	
Ethene	**0.029J**	ug/l	0.20	0.021	1	9/19/2017 09:06	AK	

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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650004** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW10S 091217** Date Collected: 9/12/2017 14:10

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**34**	ug/l	0.50	0.031	1	9/19/2017 09:16	AK	B
Ethane	**0.13J**	ug/l	0.20	0.0060	1	9/19/2017 09:16	AK	
Ethene	**0.14J**	ug/l	0.20	0.021	1	9/19/2017 09:16	AK	

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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650005** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW6DD 091217** Date Collected: 9/12/2017 15:25

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**190**	ug/l	0.50	0.031	1	9/19/2017 09:27	AK	B
Ethane	**0.22**	ug/l	0.20	0.0060	1	9/19/2017 09:27	AK	
Ethene	**0.28**	ug/l	0.20	0.021	1	9/19/2017 09:27	AK	

CERTIFICATE OF ANALYSIS

Pace Analytical Energy Services LLC
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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650006** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW10D 091217** Date Collected: 9/12/2017 15:30

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	0.031	1	9/19/2017 09:37	AK	B
Ethane	**0.44**	ug/l	0.20	0.0060	1	9/19/2017 09:37	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/19/2017 09:37	AK	

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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650007** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **X-1 091217** Date Collected: 9/12/2017 00:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**210**	ug/l	0.50	0.031	1	9/19/2017 09:48	AK	B
Ethane	**0.14J**	ug/l	0.20	0.0060	1	9/19/2017 09:48	AK	
Ethene	**0.043J**	ug/l	0.20	0.021	1	9/19/2017 09:48	AK	

CERTIFICATE OF ANALYSIS

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
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Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650008** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW8D 091317** Date Collected: 9/13/2017 09:05

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	0.031	1	9/19/2017 09:58	AK	B
Ethane	**0.26**	ug/l	0.20	0.0060	1	9/19/2017 09:58	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/19/2017 09:58	AK	

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: 23865 FOREST GLEN

Lab ID: **238650009** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW8DD 091317** Date Collected: 9/13/2017 09:17

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**360**	ug/l	2.0	0.12	4	9/20/2017 12:52	AK	d
Ethane	**1.9**	ug/l	0.20	0.0060	1	9/19/2017 10:09	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/19/2017 10:09	AK	

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220 William Pitt Way
Pittsburgh, PA 15238
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Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650010** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW8S 091317** Date Collected: 9/13/2017 11:05

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**2.5**	ug/l	0.50	0.031	1	9/19/2017 11:06	AK	B
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	9/19/2017 11:06	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/19/2017 11:06	AK	

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Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650011** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW8S MS 091317** Date Collected: 9/13/2017 11:05

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**44**	ug/l	0.50	0.031	1	9/19/2017 11:16	AK	B
Ethane	**78**	ug/l	0.20	0.0060	1	9/19/2017 11:16	AK	
Ethene	**75**	ug/l	0.20	0.021	1	9/19/2017 11:16	AK	

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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650012** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW8S MSD 091317** Date Collected: 9/13/2017 11:05

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**44**	ug/l	0.50	0.031	1	9/19/2017 11:27	AK	B
Ethane	**76**	ug/l	0.20	0.0060	1	9/19/2017 11:27	AK	
Ethene	**73**	ug/l	0.20	0.021	1	9/19/2017 11:27	AK	

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650013** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW7DD 091317** Date Collected: 9/13/2017 11:08

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**210**	ug/l	0.50	0.031	1	9/19/2017 11:38	AK	B
Ethane	**5.7**	ug/l	0.20	0.0060	1	9/19/2017 11:38	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/19/2017 11:38	AK	

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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650014** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW7D 091317** Date Collected: 9/13/2017 13:20

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.53**	ug/l	0.50	0.031	1	9/19/2017 11:49	AK	B
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	9/19/2017 11:49	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/19/2017 11:49	AK	

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ANALYTICAL RESULTS

Workorder: 23865 FOREST GLEN

Lab ID: **238650015** Date Received: 9/14/2017 11:00 Matrix: Water

Sample ID: **MW7S 091317** Date Collected: 9/13/2017 13:25

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**21**	ug/l	0.50	0.031	1	9/19/2017 12:00	AK	B
Ethane	**0.0060U**	ug/l	0.20	0.0060	1	9/19/2017 12:00	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/19/2017 12:00	AK	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 23865 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).
B	The analyte was detected in the associated blank.
d	The analyte concentration was determined from a dilution.

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QUALITY CONTROL DATA

Workorder: 23865 FOREST GLEN

QC Batch: DISG/6342 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 238650001, 238650002, 238650003, 238650004, 238650005, 238650006, 238650007, 238650008, 238650009, 238650010, 238650011, 238650012, 238650013, 238650014, 238650015

METHOD BLANK: 50948

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.036J	0.031	B
Ethane	ug/l	0.0060U	0.0060	
Ethene	ug/l	0.021U	0.021	

LABORATORY CONTROL SAMPLE & LCSD: 50949 50950

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	44	43	43	97	97	85-115	0	20	B
Ethane	ug/l	83	80	81	96	97	85-115	1	20	
Ethene	ug/l	78	76	77	98	99	85-115	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 50951 50952 Original: 238650010

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK											
Methane	ug/l	2.5	44	44	44	94	93	70-130	1.1	20	B
Ethane	ug/l	0	83	78	76	94	92	70-130	2.2	20	
Ethene	ug/l	0	78	75	73	96	94	70-130	2.1	20	

SAMPLE DUPLICATE: 50953 Original: 238650002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	24	28	12	20	B
Ethane	ug/l	.1	.12	12	20	
Ethene	ug/l	0	0	0	20	

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QUALITY CONTROL DATA

Workorder: 23865 FOREST GLEN

QC Batch: DISG/6346 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 238650009

METHOD BLANK: 50969

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.031U	0.031	

LABORATORY CONTROL SAMPLE & LCSD: 50970 50971

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	44	43	43	97	96	85-115	1	20	

SAMPLE DUPLICATE: 50974 Original: 238860002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	50	45	9.4	20	

SAMPLE DUPLICATE: 50975 Original: 238960001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	16	16	0.55	20	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 23865 FOREST GLEN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
238650001	MW1S 091217			EPA RSK175	DISG/6342
238650002	MW1D 091217			EPA RSK175	DISG/6342
238650003	MW6D 091217			EPA RSK175	DISG/6342
238650004	MW10S 091217			EPA RSK175	DISG/6342
238650005	MW6DD 091217			EPA RSK175	DISG/6342
238650006	MW10D 091217			EPA RSK175	DISG/6342
238650007	X-1 091217			EPA RSK175	DISG/6342
238650008	MW8D 091317			EPA RSK175	DISG/6342
238650009	MW8DD 091317			EPA RSK175	DISG/6342
238650010	MW8S 091317			EPA RSK175	DISG/6342
238650011	MW8S MS 091317			EPA RSK175	DISG/6342
238650012	MW8S MSD 091317			EPA RSK175	DISG/6342
238650013	MW7DD 091317			EPA RSK175	DISG/6342
238650014	MW7D 091317			EPA RSK175	DISG/6342
238650015	MW7S 091317			EPA RSK175	DISG/6342
238650009	MW8DD 091317			EPA RSK175	DISG/6346

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23865

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

013890

Section A
Required Client Information:

Company:	OBRIEN & GERE
Address:	333 West Washington
	EAST SYRACUSE NY 13221
Email To:	YURI.Veliz@OBG.Com
Phone: 3159566322	Fax:
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	YURI VeLiz
Copy To:	DAVE CARNIVAL
Purchase Order No.:	
Project Name:	FORREST GLEN
Project Number:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER ______

Site Location
STATE: ______

Section D
Required Client Information

Matrix Codes
MATRIX / CODE
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	TSP	BAK	Zinc Acetate & NaOH	Other TRISODIUM Phosphate	Analysis Test Y/N	MEE	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW 1S 091217	WT	G	9-12-17	1030												X		3		
2	MW 1D 091217	WT	G	9-12-17	1052														3		
3	MW 6D 091217	WT	G	9-12-17	1302														3		
4	MW 10S 091217	WT	G	9-12-17	1410														3		
5	MW 6DD 091217	WT	G	9-12-17	1525														3		
6	MW 10D 091217	WT	G	9-12-17	1530														3		
7	X-1 091217	WT	G	9-12-17	—														3		
8	MW 8D 091317	WT	G	9-13-17	9:05														3		
9	MW 8DD 091317	WT	G	9-13-17	9:17														3		
10	MW 8S 091317	WT	G	9-13-17	11 05														3		
11	MW 8S MS 091317	WT	G	9-13-17	1105														3		
12	MW 8S MSD 091317	WT	G	9-13-17	11:05														3		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Martin Koenecke / Amanda Young	9-13-17	1630	Kodie / PAS	9.14.17	1100	3.2	Y	Y	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MARTIN Koenecke / Amanda Young
SIGNATURE of SAMPLER: Martin Koenecke / Amanda Young
DATE Signed (MM/DD/YY): 09 13 17

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Cooler Receipt Form

Client Name: OBG Project: Forrest Glen Lab Work Order: 28865

A. Shipping/Container Information (circle appropriate response)

Courier: FedEx (UPS) USPS Client Other:_____ Air bill Present: (Yes) No

Tracking Number: 1Z AV8 602 01 4299695

Custody Seal on Cooler/Box Present: Yes (No) Seals Intact: Yes No

Cooler/Box Packing Material: (Bubble Wrap) Absorbent Foam Other:_____

Type of Ice: (Wet) Blue None Ice Intact: (Yes) Melted

Cooler Temperature: 3.2°C Radiation Screened: Yes (No) Chain of Custody Present: (Yes) No

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC	✓			
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
PAES containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	If yes, see pH form.
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments:_____

Cooler contents examined/received by: LJ Date: 9.14.17

Project Manager Review: RW Date: 9-14-17

Pace Analytical Energy Services LLC
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September 25, 2017

David Carnevale
O'Brien & Gere
333 W Washington St
Syracuse, NY 13202

RE: **FOREST GLEN**
Pace Workorder: 23886

Dear David Carnevale:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, September 15, 2017. 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 09/25/2017
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 13

CERTIFICATE OF ANALYSIS

Pace Analytical Energy Services LLC
220 William Pitt Way
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Phone: (412) 826-5245
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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 and Solid & Hazardous Waste
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:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
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: 23886 FOREST GLEN

Lab ID	Sample ID	Matrix	Date Collected	Date Received
238860001	MW5S 091417	Water	9/14/2017 07:15	9/15/2017 11:00
238860002	MW4S 091417	Water	9/14/2017 07:40	9/15/2017 11:00
238860003	MW5D 091417	Water	9/14/2017 09:05	9/15/2017 11:00
238860004	MW4D 091417	Water	9/14/2017 09:54	9/15/2017 11:00
238860005	MW6S 091417	Water	9/14/2017 10:10	9/15/2017 11:00

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ANALYTICAL RESULTS

Workorder: 23886 FOREST GLEN

Lab ID: **238860001** Date Received: 9/15/2017 11:00 Matrix: Water

Sample ID: **MW5S 091417** Date Collected: 9/14/2017 07:15

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	0.031	1	9/20/2017 08:42	AK	
Ethane	**0.36**	ug/l	0.20	0.0060	1	9/20/2017 08:42	AK	
Ethene	**0.089J**	ug/l	0.20	0.021	1	9/20/2017 08:42	AK	

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ANALYTICAL RESULTS

Workorder: 23886 FOREST GLEN

Lab ID: **238860002** Date Received: 9/15/2017 11:00 Matrix: Water

Sample ID: **MW4S 091417** Date Collected: 9/14/2017 07:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**50**	ug/l	0.50	0.031	1	9/20/2017 08:53	AK	
Ethane	**0.060J**	ug/l	0.20	0.0060	1	9/20/2017 08:53	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/20/2017 08:53	AK	

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ANALYTICAL RESULTS

Workorder: 23886 FOREST GLEN

Lab ID: **238860003** Date Received: 9/15/2017 11:00 Matrix: Water

Sample ID: **MW5D 091417** Date Collected: 9/14/2017 09:05

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**48**	ug/l	0.50	0.031	1	9/20/2017 09:03	AK	
Ethane	**0.067J**	ug/l	0.20	0.0060	1	9/20/2017 09:03	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/20/2017 09:03	AK	

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ANALYTICAL RESULTS

Workorder: 23886 FOREST GLEN

Lab ID: **238860004** Date Received: 9/15/2017 11:00 Matrix: Water

Sample ID: **MW4D 091417** Date Collected: 9/14/2017 09:54

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	0.031	1	9/20/2017 09:14	AK	
Ethane	**0.18J**	ug/l	0.20	0.0060	1	9/20/2017 09:14	AK	
Ethene	**0.021U**	ug/l	0.20	0.021	1	9/20/2017 09:14	AK	

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ANALYTICAL RESULTS

Workorder: 23886 FOREST GLEN

Lab ID: **238860005** Date Received: 9/15/2017 11:00 Matrix: Water

Sample ID: **MW6S 091417** Date Collected: 9/14/2017 10:10

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	0.031	1	9/20/2017 09:24	AK	
Ethane	**0.041J**	ug/l	0.20	0.0060	1	9/20/2017 09:24	AK	
Ethene	**0.061J**	ug/l	0.20	0.021	1	9/20/2017 09:24	AK	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 23886 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: 23886 FOREST GLEN

QC Batch: DISG/6346 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 238860001, 238860002, 238860003, 238860004, 238860005

METHOD BLANK: 50969

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.031U	0.031	
Ethane	ug/l	0.0060U	0.0060	
Ethene	ug/l	0.021U	0.021	

LABORATORY CONTROL SAMPLE & LCSD: 50970 50971

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	44	43	43	97	96	85-115	1	20	
Ethane	ug/l	83	81	80	97	96	85-115	1	20	
Ethene	ug/l	78	78	77	100	99	85-115	1	20	

SAMPLE DUPLICATE: 50974 Original: 238860002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	50	45	9.4	20	
Ethane	ug/l	.06	.056	7.8	20	
Ethene	ug/l	.0091	.0077	17	20	

SAMPLE DUPLICATE: 50975 Original: 238960001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	16	16	0.55	20	
Ethane	ug/l	.087	.087	0.12	20	
Ethene	ug/l	0	0	0	20	

Pace Analytical Energy Services LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 23886 FOREST GLEN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
238860001	MW5S 091417			EPA RSK175	DISG/6346
238860002	MW4S 091417			EPA RSK175	DISG/6346
238860003	MW5D 091417			EPA RSK175	DISG/6346
238860004	MW4D 091417			EPA RSK175	DISG/6346
238860005	MW6S 091417			EPA RSK175	DISG/6346

Pace Analytical™
www.pacelabs.com

23486

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: O'Brien & Gere	Report To: YURI VELIZ	Attention:
Address: 333 W Washington St	Copy To:	Company Name:
Syracuse, NY		Address:
Email To: YURI.VELIZ@OBG.COM	Purchase Order No.:	Pace Quote Reference:
Phone: 315 956-6322 Fax:	Project Name: FORREST GLEN	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other TSP	Analysis Test Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW55 091417	WT		9-14-17	7:15				3								X			
2	MW4S 091417	WT		9-14-17	7:40				3								X			
3	MW5D 091417	WT		9-14-17	9:05				3								X			
4	MW 4D 091417	WT		9-14-17	9:54				3								X			
5	MW6S 091417	WT		9-14-17	10:10				3								X			
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Martin Kwiecinski / Amanda Young	9-14-17	12:00	Loose PACE	9.15.17	1100	4	Y	Y	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Martin Kwiecinski / Amanda Young

SIGNATURE of SAMPLER: Martin Kwiecinski / Amanda Young DATE Signed (MM/DD/YY): 091417

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Cooler Receipt Form

Client Name: OBG Project: Forest Glen Lab Work Order: 23886

A. Shipping/Container Information (circle appropriate response)

Courier: FedEx (UPS) USPS Client Other:_____ Air bill Present: (Yes) No

Tracking Number: 1ZAV8 602 01 4373336

Custody Seal on Cooler/Box Present: (Yes) No Seals Intact: (Yes) No

Cooler/Box Packing Material: (Bubble Wrap) Absorbent Foam Other:_____

Type of Ice: (Wet) Blue None Ice Intact: (Yes) Melted

Cooler Temperature: 4°C Radiation Screened: Yes (No) Chain of Custody Present: (Yes) No

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			No analyses noted.
Chain of Custody relinquished	✓			referred to proj. file
Sampler Name & Signature on COC	✓			
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
PAES containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	If yes, see pH form.
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments:_____

Cooler contents examined/received by: LY Date: 9.15.17

Project Manager Review: AW Date: 9-15-17

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: 480-124014-1
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. Al Farrell

Authorized for release by:
9/21/2017 12:14:27 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-124014-1

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
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.
H	Sample was prepped or analyzed beyond the specified holding time

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: 480-124014-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-124014-1

Receipt
The samples were received on 9/12/2017 5:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.3º C and 3.5º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-377449 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. 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 1S 091217 (480-124014-1), MW 1D 091217 (480-124014-2), MW 6D 091217 (480-124014-3), MW 10S 091217 (480-124014-4), MW 6DD 091217 (480-124014-5), MW 10D 091217 (480-124014-6), X-1 091217 (480-124014-7) and QC TRIP BLANK (480-124014-8).

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 was diluted to bring the concentration of target analytes within the calibration range: MW 1S 091217 (480-124014-1), MW 1D 091217 (480-124014-2), MW 6D 091217 (480-124014-3), MW 10S 091217 (480-124014-4), MW 6DD 091217 (480-124014-5), MW 10D 091217 (480-124014-6) and X-1 091217 (480-124014-7). 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) SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 490-461144 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) SM 4500 S2 D: The following sample was analyzed outside of analytical holding time: X-1 091217 (480-124014-7).

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

TestAmerica Job ID: 480-124014-1

Client Sample ID: MW 1S 091217 — Lab Sample ID: 480-124014-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	788		10.0	5.6	mg/L	20		300.0	Total/NA
Sulfate	217		40.0	7.0	mg/L	20		300.0	Total/NA
Alkalinity, Bicarbonate	349	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Dissolved Organic Carbon	4.5	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 1	4.5	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 2	4.5	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
Dissolved Organic Carbon - Duplicate	4.5	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 1D 091217 — Lab Sample ID: 480-124014-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.75	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	302		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	185		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	311	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.28		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	3.4	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 1	3.5	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 2	3.3	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
Dissolved Organic Carbon - Duplicate	3.4	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 6D 091217 — Lab Sample ID: 480-124014-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.60	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.4		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.4		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	180		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	265		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	329	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.58		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	4.5	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 1	4.6	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 2	4.4	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
Dissolved Organic Carbon - Duplicate	4.5	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 10S 091217 — Lab Sample ID: 480-124014-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	29		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	6.6		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	153		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	350		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	365	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.080	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	4.6	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 1	4.6	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 2	4.5	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
Dissolved Organic Carbon - Duplicate	4.6	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

TestAmerica Job ID: 480-124014-1

Client Sample ID: MW 6DD 091217 — Lab Sample ID: 480-124014-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.60	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.23	J	1.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	5.3		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	240		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	238		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	300	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.19		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	4.3	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 1	4.3	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 2	4.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
Dissolved Organic Carbon - Duplicate	4.3	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 10D 091217 — Lab Sample ID: 480-124014-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.31	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	368		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	257		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	259	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.080	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	3.8	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 1	3.8	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 2	3.7	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
Dissolved Organic Carbon - Duplicate	3.8	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: X-1 091217 — Lab Sample ID: 480-124014-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.61	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.4		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	184		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	269		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	320	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.53	H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon	4.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 1	4.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
DOC Result 2	4.1	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved
Dissolved Organic Carbon - Duplicate	4.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-124014-8

No Detections.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-124014-1

Client Sample ID: MW 1S 091217
Date Collected: 09/12/17 10:30
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-1
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			09/18/17 22:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/18/17 22:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/18/17 22:57	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/18/17 22:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/18/17 22:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/18/17 22:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/18/17 22:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/18/17 22:57	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/18/17 22:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/18/17 22:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/18/17 22:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/18/17 22:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/18/17 22:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/18/17 22:57	1
2-Hexanone	ND		5.0	1.2	ug/L			09/18/17 22:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/18/17 22:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/18/17 22:57	1
Acetone	ND		10	3.0	ug/L			09/18/17 22:57	1
Benzene	ND		1.0	0.41	ug/L			09/18/17 22:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/18/17 22:57	1
Bromoform	ND		1.0	0.26	ug/L			09/18/17 22:57	1
Bromomethane	ND		1.0	0.69	ug/L			09/18/17 22:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/18/17 22:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/18/17 22:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/18/17 22:57	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/18/17 22:57	1
Chloroethane	ND		1.0	0.32	ug/L			09/18/17 22:57	1
Chloroform	ND		1.0	0.34	ug/L			09/18/17 22:57	1
Chloromethane	ND		1.0	0.35	ug/L			09/18/17 22:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/18/17 22:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/18/17 22:57	1
Cyclohexane	ND		1.0	0.18	ug/L			09/18/17 22:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/18/17 22:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/18/17 22:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/18/17 22:57	1
Methyl acetate	ND		1.3	1.3	ug/L			09/18/17 22:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/18/17 22:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/18/17 22:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/18/17 22:57	1
Styrene	ND		1.0	0.73	ug/L			09/18/17 22:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/18/17 22:57	1
Toluene	ND		1.0	0.51	ug/L			09/18/17 22:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/18/17 22:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/18/17 22:57	1
Trichloroethene	ND		1.0	0.46	ug/L			09/18/17 22:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/18/17 22:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/18/17 22:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/18/17 22:57	1

Client Sample ID: MW 1S 091217

Lab Sample ID: 480-124014-1

Date Collected: 09/12/17 10:30

Matrix: Water

Date Received: 09/12/17 17:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/18/17 22:57*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/18/17 22:57*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/18/17 22:57*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*09/18/17 22:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**788**		10.0	5.6	mg/L			09/18/17 13:44	20
Sulfate	**217**		40.0	7.0	mg/L			09/18/17 13:44	20
Alkalinity, Bicarbonate	**349**	**B**	40.0	16.0	mg/L			09/13/17 16:39	4
Nitrate as N	ND		0.050	0.020	mg/L			09/13/17 15:43	1
Nitrite as N	ND		0.050	0.020	mg/L			09/13/17 15:43	1
Sulfide	ND		0.10	0.050	mg/L			09/19/17 15:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**4.5**	**B**	1.0	0.43	mg/L			09/14/17 17:34	1
DOC Result 1	**4.5**	**B**	1.0	0.43	mg/L			09/14/17 17:34	1
DOC Result 2	**4.5**	**B**	1.0	0.43	mg/L			09/14/17 17:34	1
Dissolved Organic Carbon - Duplicate	**4.5**	**B**	1.0	0.43	mg/L			09/14/17 17:34	1

Client Sample ID: MW 1D 091217

Lab Sample ID: 480-124014-2

Date Collected: 09/12/17 10:52

Matrix: Water

Date Received: 09/12/17 17:20

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			09/18/17 23:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/18/17 23:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/18/17 23:20	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/18/17 23:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/18/17 23:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/18/17 23:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/18/17 23:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/18/17 23:20	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/18/17 23:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/18/17 23:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/18/17 23:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/18/17 23:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/18/17 23:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/18/17 23:20	1
2-Hexanone	ND		5.0	1.2	ug/L			09/18/17 23:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/18/17 23:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/18/17 23:20	1
Acetone	ND		10	3.0	ug/L			09/18/17 23:20	1
Benzene	ND		1.0	0.41	ug/L			09/18/17 23:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/18/17 23:20	1
Bromoform	ND		1.0	0.26	ug/L			09/18/17 23:20	1
Bromomethane	ND		1.0	0.69	ug/L			09/18/17 23:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/18/17 23:20	1

Client Sample ID: MW 1D 091217
Date Collected: 09/12/17 10:52
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/18/17 23:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/18/17 23:20	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/18/17 23:20	1
Chloroethane	ND		1.0	0.32	ug/L			09/18/17 23:20	1
Chloroform	ND		1.0	0.34	ug/L			09/18/17 23:20	1
Chloromethane	ND		1.0	0.35	ug/L			09/18/17 23:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/18/17 23:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/18/17 23:20	1
Cyclohexane	ND		1.0	0.18	ug/L			09/18/17 23:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/18/17 23:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/18/17 23:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/18/17 23:20	1
Methyl acetate	ND		1.3	1.3	ug/L			09/18/17 23:20	1
Methyl tert-butyl ether	**0.75**	**J**	1.0	0.16	ug/L			09/18/17 23:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/18/17 23:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/18/17 23:20	1
Styrene	ND		1.0	0.73	ug/L			09/18/17 23:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/18/17 23:20	1
Toluene	ND		1.0	0.51	ug/L			09/18/17 23:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/18/17 23:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/18/17 23:20	1
Trichloroethene	ND		1.0	0.46	ug/L			09/18/17 23:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/18/17 23:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/18/17 23:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/18/17 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/18/17 23:20*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/18/17 23:20*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/18/17 23:20*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/18/17 23:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**302**		5.0	2.8	mg/L			09/18/17 13:52	10
Sulfate	**185**		20.0	3.5	mg/L			09/18/17 13:52	10
Alkalinity, Bicarbonate	**311**	**B**	40.0	16.0	mg/L			09/13/17 17:13	4
Nitrate as N	ND		0.050	0.020	mg/L			09/13/17 15:44	1
Nitrite as N	ND		0.050	0.020	mg/L			09/13/17 15:44	1
Sulfide	**0.28**		0.10	0.050	mg/L			09/19/17 15:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**3.4**	**B**	1.0	0.43	mg/L			09/14/17 17:49	1
DOC Result 1	**3.5**	**B**	1.0	0.43	mg/L			09/14/17 17:49	1
DOC Result 2	**3.3**	**B**	1.0	0.43	mg/L			09/14/17 17:49	1
Dissolved Organic Carbon - Duplicate	**3.4**	**B**	1.0	0.43	mg/L			09/14/17 17:49	1

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

TestAmerica Job ID: 480-124014-1

Client Sample ID: MW 6D 091217
Date Collected: 09/12/17 13:02
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-3
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			09/18/17 23:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/18/17 23:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/18/17 23:43	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/18/17 23:43	1
1,1-Dichloroethane	**0.60**	**J**	1.0	0.38	ug/L			09/18/17 23:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/18/17 23:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/18/17 23:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/18/17 23:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/18/17 23:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/18/17 23:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/18/17 23:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/18/17 23:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/18/17 23:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/18/17 23:43	1
2-Hexanone	ND		5.0	1.2	ug/L			09/18/17 23:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/18/17 23:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/18/17 23:43	1
Acetone	ND		10	3.0	ug/L			09/18/17 23:43	1
Benzene	ND		1.0	0.41	ug/L			09/18/17 23:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/18/17 23:43	1
Bromoform	ND		1.0	0.26	ug/L			09/18/17 23:43	1
Bromomethane	ND		1.0	0.69	ug/L			09/18/17 23:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/18/17 23:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/18/17 23:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/18/17 23:43	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/18/17 23:43	1
Chloroethane	ND		1.0	0.32	ug/L			09/18/17 23:43	1
Chloroform	ND		1.0	0.34	ug/L			09/18/17 23:43	1
Chloromethane	ND		1.0	0.35	ug/L			09/18/17 23:43	1
cis-1,2-Dichloroethene	**1.4**		1.0	0.81	ug/L			09/18/17 23:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/18/17 23:43	1
Cyclohexane	ND		1.0	0.18	ug/L			09/18/17 23:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/18/17 23:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/18/17 23:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/18/17 23:43	1
Methyl acetate	ND		1.3	1.3	ug/L			09/18/17 23:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/18/17 23:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/18/17 23:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/18/17 23:43	1
Styrene	ND		1.0	0.73	ug/L			09/18/17 23:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/18/17 23:43	1
Toluene	ND		1.0	0.51	ug/L			09/18/17 23:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/18/17 23:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/18/17 23:43	1
Trichloroethene	ND		1.0	0.46	ug/L			09/18/17 23:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/18/17 23:43	1
Vinyl chloride	**1.4**		1.0	0.90	ug/L			09/18/17 23:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/18/17 23:43	1

Client Sample ID: MW 6D 091217

Lab Sample ID: 480-124014-3

Date Collected: 09/12/17 13:02

Matrix: Water

Date Received: 09/12/17 17:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/18/17 23:43*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/18/17 23:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/18/17 23:43*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/18/17 23:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**180**		5.0	2.8	mg/L			09/18/17 14:00	10
Sulfate	**265**		20.0	3.5	mg/L			09/18/17 14:00	10
Alkalinity, Bicarbonate	**329**	**B**	40.0	16.0	mg/L			09/13/17 17:13	4
Nitrate as N	ND		0.050	0.020	mg/L			09/13/17 15:45	1
Nitrite as N	ND		0.050	0.020	mg/L			09/13/17 15:45	1
Sulfide	**0.58**		0.10	0.050	mg/L			09/19/17 15:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**4.5**	**B**	1.0	0.43	mg/L			09/14/17 18:03	1
DOC Result 1	**4.6**	**B**	1.0	0.43	mg/L			09/14/17 18:03	1
DOC Result 2	**4.4**	**B**	1.0	0.43	mg/L			09/14/17 18:03	1
Dissolved Organic Carbon - Duplicate	**4.5**	**B**	1.0	0.43	mg/L			09/14/17 18:03	1

Client Sample ID: MW 10S 091217

Lab Sample ID: 480-124014-4

Date Collected: 09/12/17 14:10

Matrix: Water

Date Received: 09/12/17 17:20

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			09/19/17 00:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/19/17 00:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/19/17 00:07	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/19/17 00:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/19/17 00:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/19/17 00:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/19/17 00:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/19/17 00:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/19/17 00:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/19/17 00:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/19/17 00:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/19/17 00:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/19/17 00:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/19/17 00:07	1
2-Hexanone	ND		5.0	1.2	ug/L			09/19/17 00:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/19/17 00:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/19/17 00:07	1
Acetone	ND		10	3.0	ug/L			09/19/17 00:07	1
Benzene	ND		1.0	0.41	ug/L			09/19/17 00:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/19/17 00:07	1
Bromoform	ND		1.0	0.26	ug/L			09/19/17 00:07	1
Bromomethane	ND		1.0	0.69	ug/L			09/19/17 00:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/19/17 00:07	1

Client Sample ID: MW 10S 091217
Date Collected: 09/12/17 14:10
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/19/17 00:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/19/17 00:07	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/19/17 00:07	1
Chloroethane	ND		1.0	0.32	ug/L			09/19/17 00:07	1
Chloroform	ND		1.0	0.34	ug/L			09/19/17 00:07	1
Chloromethane	ND		1.0	0.35	ug/L			09/19/17 00:07	1
cis-1,2-Dichloroethene	**29**		1.0	0.81	ug/L			09/19/17 00:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/19/17 00:07	1
Cyclohexane	ND		1.0	0.18	ug/L			09/19/17 00:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/19/17 00:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/19/17 00:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/19/17 00:07	1
Methyl acetate	ND		1.3	1.3	ug/L			09/19/17 00:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/19/17 00:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/19/17 00:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/19/17 00:07	1
Styrene	ND		1.0	0.73	ug/L			09/19/17 00:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/19/17 00:07	1
Toluene	ND		1.0	0.51	ug/L			09/19/17 00:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/19/17 00:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/19/17 00:07	1
Trichloroethene	ND		1.0	0.46	ug/L			09/19/17 00:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/19/17 00:07	1
Vinyl chloride	**6.6**		1.0	0.90	ug/L			09/19/17 00:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/19/17 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/19/17 00:07*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/19/17 00:07*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/19/17 00:07*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/19/17 00:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**153**		5.0	2.8	mg/L			09/18/17 14:08	10
Sulfate	**350**		20.0	3.5	mg/L			09/18/17 14:08	10
Alkalinity, Bicarbonate	**365**	**B**	40.0	16.0	mg/L			09/13/17 17:13	4
Nitrate as N	ND		0.050	0.020	mg/L			09/13/17 15:46	1
Nitrite as N	ND		0.050	0.020	mg/L			09/13/17 15:46	1
Sulfide	**0.080**	**J**	0.10	0.050	mg/L			09/19/17 15:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**4.6**	**B**	1.0	0.43	mg/L			09/14/17 18:18	1
DOC Result 1	**4.6**	**B**	1.0	0.43	mg/L			09/14/17 18:18	1
DOC Result 2	**4.5**	**B**	1.0	0.43	mg/L			09/14/17 18:18	1
Dissolved Organic Carbon - Duplicate	**4.6**	**B**	1.0	0.43	mg/L			09/14/17 18:18	1

Client Sample ID: MW 6DD 091217
Date Collected: 09/12/17 15:25
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-5
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			09/19/17 00:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/19/17 00:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/19/17 00:30	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/19/17 00:30	1
1,1-Dichloroethane	**0.60**	**J**	1.0	0.38	ug/L			09/19/17 00:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/19/17 00:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/19/17 00:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/19/17 00:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/19/17 00:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/19/17 00:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/19/17 00:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/19/17 00:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/19/17 00:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/19/17 00:30	1
2-Hexanone	ND		5.0	1.2	ug/L			09/19/17 00:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/19/17 00:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/19/17 00:30	1
Acetone	ND		10	3.0	ug/L			09/19/17 00:30	1
Benzene	ND		1.0	0.41	ug/L			09/19/17 00:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/19/17 00:30	1
Bromoform	ND		1.0	0.26	ug/L			09/19/17 00:30	1
Bromomethane	ND		1.0	0.69	ug/L			09/19/17 00:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/19/17 00:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/19/17 00:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/19/17 00:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/19/17 00:30	1
Chloroethane	ND		1.0	0.32	ug/L			09/19/17 00:30	1
Chloroform	ND		1.0	0.34	ug/L			09/19/17 00:30	1
Chloromethane	ND		1.0	0.35	ug/L			09/19/17 00:30	1
cis-1,2-Dichloroethene	**22**		1.0	0.81	ug/L			09/19/17 00:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/19/17 00:30	1
Cyclohexane	ND		1.0	0.18	ug/L			09/19/17 00:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/19/17 00:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/19/17 00:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/19/17 00:30	1
Methyl acetate	ND		1.3	1.3	ug/L			09/19/17 00:30	1
Methyl tert-butyl ether	**0.23**	**J**	1.0	0.16	ug/L			09/19/17 00:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/19/17 00:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/19/17 00:30	1
Styrene	ND		1.0	0.73	ug/L			09/19/17 00:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/19/17 00:30	1
Toluene	ND		1.0	0.51	ug/L			09/19/17 00:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/19/17 00:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/19/17 00:30	1
Trichloroethene	ND		1.0	0.46	ug/L			09/19/17 00:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/19/17 00:30	1
Vinyl chloride	**5.3**		1.0	0.90	ug/L			09/19/17 00:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/19/17 00:30	1

Client Sample ID: MW 6DD 091217

Lab Sample ID: 480-124014-5

Date Collected: 09/12/17 15:25

Matrix: Water

Date Received: 09/12/17 17:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/19/17 00:30*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/19/17 00:30*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/19/17 00:30*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/19/17 00:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		5.0	2.8	mg/L			09/18/17 14:57	10
Sulfate	**238**		20.0	3.5	mg/L			09/18/17 14:57	10
Alkalinity, Bicarbonate	**300**	**B**	40.0	16.0	mg/L			09/13/17 17:13	4
Nitrate as N	ND		0.050	0.020	mg/L			09/13/17 15:47	1
Nitrite as N	ND		0.050	0.020	mg/L			09/13/17 15:47	1
Sulfide	**0.19**		0.10	0.050	mg/L			09/19/17 15:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**4.3**	**B**	1.0	0.43	mg/L			09/14/17 18:32	1
DOC Result 1	**4.3**	**B**	1.0	0.43	mg/L			09/14/17 18:32	1
DOC Result 2	**4.2**	**B**	1.0	0.43	mg/L			09/14/17 18:32	1
Dissolved Organic Carbon - Duplicate	**4.3**	**B**	1.0	0.43	mg/L			09/14/17 18:32	1

Client Sample ID: MW 10D 091217

Lab Sample ID: 480-124014-6

Date Collected: 09/12/17 15:30

Matrix: Water

Date Received: 09/12/17 17:20

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			09/19/17 00:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/19/17 00:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/19/17 00:53	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/19/17 00:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/19/17 00:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/19/17 00:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/19/17 00:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/19/17 00:53	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/19/17 00:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/19/17 00:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/19/17 00:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/19/17 00:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/19/17 00:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/19/17 00:53	1
2-Hexanone	ND		5.0	1.2	ug/L			09/19/17 00:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/19/17 00:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/19/17 00:53	1
Acetone	ND		10	3.0	ug/L			09/19/17 00:53	1
Benzene	ND		1.0	0.41	ug/L			09/19/17 00:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/19/17 00:53	1
Bromoform	ND		1.0	0.26	ug/L			09/19/17 00:53	1
Bromomethane	ND		1.0	0.69	ug/L			09/19/17 00:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/19/17 00:53	1

Client Sample ID: MW 10D 091217
Date Collected: 09/12/17 15:30
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/19/17 00:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/19/17 00:53	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/19/17 00:53	1
Chloroethane	ND		1.0	0.32	ug/L			09/19/17 00:53	1
Chloroform	ND		1.0	0.34	ug/L			09/19/17 00:53	1
Chloromethane	ND		1.0	0.35	ug/L			09/19/17 00:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/19/17 00:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/19/17 00:53	1
Cyclohexane	ND		1.0	0.18	ug/L			09/19/17 00:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/19/17 00:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/19/17 00:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/19/17 00:53	1
Methyl acetate	ND		1.3	1.3	ug/L			09/19/17 00:53	1
Methyl tert-butyl ether	**0.31**	**J**	1.0	0.16	ug/L			09/19/17 00:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/19/17 00:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/19/17 00:53	1
Styrene	ND		1.0	0.73	ug/L			09/19/17 00:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/19/17 00:53	1
Toluene	ND		1.0	0.51	ug/L			09/19/17 00:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/19/17 00:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/19/17 00:53	1
Trichloroethene	ND		1.0	0.46	ug/L			09/19/17 00:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/19/17 00:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/19/17 00:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/19/17 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*09/19/17 00:53*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/19/17 00:53*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*09/19/17 00:53*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/19/17 00:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**368**		5.0	2.8	mg/L			09/18/17 15:05	10
Sulfate	**257**		20.0	3.5	mg/L			09/18/17 15:05	10
Alkalinity, Bicarbonate	**259**	**B**	40.0	16.0	mg/L			09/13/17 17:17	4
Nitrate as N	ND		0.050	0.020	mg/L			09/13/17 15:48	1
Nitrite as N	ND		0.050	0.020	mg/L			09/13/17 15:48	1
Sulfide	**0.080**	**J**	0.10	0.050	mg/L			09/19/17 15:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**3.8**	**B**	1.0	0.43	mg/L			09/14/17 18:47	1
DOC Result 1	**3.8**	**B**	1.0	0.43	mg/L			09/14/17 18:47	1
DOC Result 2	**3.7**	**B**	1.0	0.43	mg/L			09/14/17 18:47	1
Dissolved Organic Carbon - Duplicate	**3.8**	**B**	1.0	0.43	mg/L			09/14/17 18:47	1

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

TestAmerica Job ID: 480-124014-1

Client Sample ID: X-1 091217
Date Collected: 09/12/17 00:00
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-7
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			09/19/17 01:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/19/17 01:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/19/17 01:16	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/19/17 01:16	1
1,1-Dichloroethane	**0.61**	**J**	1.0	0.38	ug/L			09/19/17 01:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/19/17 01:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/19/17 01:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/19/17 01:16	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/19/17 01:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/19/17 01:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/19/17 01:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/19/17 01:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/19/17 01:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/19/17 01:16	1
2-Hexanone	ND		5.0	1.2	ug/L			09/19/17 01:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/19/17 01:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/19/17 01:16	1
Acetone	ND		10	3.0	ug/L			09/19/17 01:16	1
Benzene	ND		1.0	0.41	ug/L			09/19/17 01:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/19/17 01:16	1
Bromoform	ND		1.0	0.26	ug/L			09/19/17 01:16	1
Bromomethane	ND		1.0	0.69	ug/L			09/19/17 01:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/19/17 01:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/19/17 01:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/19/17 01:16	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/19/17 01:16	1
Chloroethane	ND		1.0	0.32	ug/L			09/19/17 01:16	1
Chloroform	ND		1.0	0.34	ug/L			09/19/17 01:16	1
Chloromethane	ND		1.0	0.35	ug/L			09/19/17 01:16	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.81	ug/L			09/19/17 01:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/19/17 01:16	1
Cyclohexane	ND		1.0	0.18	ug/L			09/19/17 01:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/19/17 01:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/19/17 01:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/19/17 01:16	1
Methyl acetate	ND		1.3	1.3	ug/L			09/19/17 01:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/19/17 01:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/19/17 01:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/19/17 01:16	1
Styrene	ND		1.0	0.73	ug/L			09/19/17 01:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/19/17 01:16	1
Toluene	ND		1.0	0.51	ug/L			09/19/17 01:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/19/17 01:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/19/17 01:16	1
Trichloroethene	ND		1.0	0.46	ug/L			09/19/17 01:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/19/17 01:16	1
Vinyl chloride	**1.4**		1.0	0.90	ug/L			09/19/17 01:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/19/17 01:16	1

Client Sample ID: X-1 091217

Lab Sample ID: 480-124014-7

Date Collected: 09/12/17 00:00

Matrix: Water

Date Received: 09/12/17 17:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*09/19/17 01:16*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/19/17 01:16*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/19/17 01:16*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/19/17 01:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**184**		5.0	2.8	mg/L			09/18/17 15:14	10
Sulfate	**269**		20.0	3.5	mg/L			09/18/17 15:14	10
Alkalinity, Bicarbonate	**320**	**B**	40.0	16.0	mg/L			09/13/17 16:49	4
Nitrate as N	ND		0.050	0.020	mg/L			09/13/17 15:49	1
Nitrite as N	ND		0.050	0.020	mg/L			09/13/17 15:49	1
Sulfide	**0.53**	**H**	0.10	0.050	mg/L			09/19/17 15:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	**4.2**	**B**	1.0	0.43	mg/L			09/14/17 19:01	1
DOC Result 1	**4.2**	**B**	1.0	0.43	mg/L			09/14/17 19:01	1
DOC Result 2	**4.1**	**B**	1.0	0.43	mg/L			09/14/17 19:01	1
Dissolved Organic Carbon - Duplicate	**4.2**	**B**	1.0	0.43	mg/L			09/14/17 19:01	1

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-124014-8

Date Collected: 09/12/17 00:00

Matrix: Water

Date Received: 09/12/17 17:20

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			09/19/17 01:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/19/17 01:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/19/17 01:39	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/19/17 01:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/19/17 01:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/19/17 01:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/19/17 01:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/19/17 01:39	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/19/17 01:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/19/17 01:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/19/17 01:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/19/17 01:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/19/17 01:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/19/17 01:39	1
2-Hexanone	ND		5.0	1.2	ug/L			09/19/17 01:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/19/17 01:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/19/17 01:39	1
Acetone	ND		10	3.0	ug/L			09/19/17 01:39	1
Benzene	ND		1.0	0.41	ug/L			09/19/17 01:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/19/17 01:39	1
Bromoform	ND		1.0	0.26	ug/L			09/19/17 01:39	1
Bromomethane	ND		1.0	0.69	ug/L			09/19/17 01:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/19/17 01:39	1

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

TestAmerica Job ID: 480-124014-1

Client Sample ID: QC TRIP BLANK
Date Collected: 09/12/17 00:00
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/19/17 01:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/19/17 01:39	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/19/17 01:39	1
Chloroethane	ND		1.0	0.32	ug/L			09/19/17 01:39	1
Chloroform	ND		1.0	0.34	ug/L			09/19/17 01:39	1
Chloromethane	ND		1.0	0.35	ug/L			09/19/17 01:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/19/17 01:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/19/17 01:39	1
Cyclohexane	ND		1.0	0.18	ug/L			09/19/17 01:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/19/17 01:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/19/17 01:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/19/17 01:39	1
Methyl acetate	ND		1.3	1.3	ug/L			09/19/17 01:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/19/17 01:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/19/17 01:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/19/17 01:39	1
Styrene	ND		1.0	0.73	ug/L			09/19/17 01:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/19/17 01:39	1
Toluene	ND		1.0	0.51	ug/L			09/19/17 01:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/19/17 01:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/19/17 01:39	1
Trichloroethene	ND		1.0	0.46	ug/L			09/19/17 01:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/19/17 01:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/19/17 01:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/19/17 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/19/17 01:39*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/19/17 01:39*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/19/17 01:39*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/19/17 01:39*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-124014-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-124014-1	MW 1S 091217	102	99	96	100
480-124014-2	MW 1D 091217	106	99	95	104
480-124014-3	MW 6D 091217	99	100	98	103
480-124014-4	MW 10S 091217	103	99	95	105
480-124014-5	MW 6DD 091217	100	99	96	101
480-124014-6	MW 10D 091217	104	99	93	104
480-124014-7	X-1 091217	107	99	97	102
480-124014-8	QC TRIP BLANK	106	102	97	102
LCS 480-377449/4	Lab Control Sample	102	102	97	104
MB 480-377449/6	Method Blank	102	103	98	101

Surrogate Legend

12DCE = 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 480-377449/6
Matrix: Water
Analysis Batch: 377449

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			09/18/17 22:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/18/17 22:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/18/17 22:12	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/18/17 22:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/18/17 22:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/18/17 22:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/18/17 22:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/18/17 22:12	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/18/17 22:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/18/17 22:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/18/17 22:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/18/17 22:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/18/17 22:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/18/17 22:12	1
2-Hexanone	ND		5.0	1.2	ug/L			09/18/17 22:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/18/17 22:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/18/17 22:12	1
Acetone	ND		10	3.0	ug/L			09/18/17 22:12	1
Benzene	ND		1.0	0.41	ug/L			09/18/17 22:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/18/17 22:12	1
Bromoform	ND		1.0	0.26	ug/L			09/18/17 22:12	1
Bromomethane	ND		1.0	0.69	ug/L			09/18/17 22:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/18/17 22:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/18/17 22:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/18/17 22:12	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/18/17 22:12	1
Chloroethane	ND		1.0	0.32	ug/L			09/18/17 22:12	1
Chloroform	ND		1.0	0.34	ug/L			09/18/17 22:12	1
Chloromethane	ND		1.0	0.35	ug/L			09/18/17 22:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/18/17 22:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/18/17 22:12	1
Cyclohexane	ND		1.0	0.18	ug/L			09/18/17 22:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/18/17 22:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/18/17 22:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/18/17 22:12	1
Methyl acetate	ND		1.3	1.3	ug/L			09/18/17 22:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/18/17 22:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/18/17 22:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/18/17 22:12	1
Styrene	ND		1.0	0.73	ug/L			09/18/17 22:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/18/17 22:12	1
Toluene	ND		1.0	0.51	ug/L			09/18/17 22:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/18/17 22:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/18/17 22:12	1
Trichloroethene	ND		1.0	0.46	ug/L			09/18/17 22:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/18/17 22:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/18/17 22:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/18/17 22:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/18/17 22:12*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/18/17 22:12*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/18/17 22:12*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/18/17 22:12*	*1*

Lab Sample ID: LCS 480-377449/4
Matrix: Water
Analysis Batch: 377449

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	24.2		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120
1,1,2-Trichloroethane	25.0	25.7		ug/L		103	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	25.1		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	25.0		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	23.2		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.8		ug/L		95	56 - 134
1,2-Dibromoethane (EDB)	25.0	24.6		ug/L		99	77 - 120
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	25.6		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	25.3		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	25.1		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 120
2-Hexanone	125	128		ug/L		103	65 - 127
2-Butanone (MEK)	125	131		ug/L		105	57 - 140
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	148		ug/L		118	56 - 142
Benzene	25.0	25.5		ug/L		102	71 - 124
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122
Bromoform	25.0	25.7		ug/L		103	61 - 132
Bromomethane	25.0	22.2		ug/L		89	55 - 144
Carbon disulfide	25.0	23.6		ug/L		95	59 - 134
Carbon tetrachloride	25.0	25.9		ug/L		104	72 - 134
Chlorobenzene	25.0	25.0		ug/L		100	80 - 120
Chlorodibromomethane	25.0	27.4		ug/L		109	75 - 125
Chloroethane	25.0	24.9		ug/L		100	69 - 136
Chloroform	25.0	24.7		ug/L		99	73 - 127
Chloromethane	25.0	22.4		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Cyclohexane	25.0	25.9		ug/L		104	59 - 135
Dichlorodifluoromethane	25.0	18.0		ug/L		72	59 - 135
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Isopropylbenzene	25.0	23.7		ug/L		95	77 - 122
Methyl acetate	125	125		ug/L		100	74 - 133
Methyl tert-butyl ether	25.0	25.1		ug/L		100	77 - 120
Methylcyclohexane	25.0	25.4		ug/L		102	68 - 134
Methylene Chloride	25.0	25.9		ug/L		103	75 - 124
Styrene	25.0	24.8		ug/L		99	80 - 120
Tetrachloroethene	25.0	25.8		ug/L		103	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	26.2		ug/L		105	80 - 120

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

Lab Sample ID: LCS 480-377449/4
Matrix: Water
Analysis Batch: 377449

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	25.0	25.1		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	24.4		ug/L		98	62 - 150
Vinyl chloride	25.0	23.9		ug/L		96	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-377327/28
Matrix: Water
Analysis Batch: 377327

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			09/18/17 14:49	1
Sulfate	ND		2.0	0.35	mg/L			09/18/17 14:49	1

Lab Sample ID: MB 480-377327/4
Matrix: Water
Analysis Batch: 377327

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			09/18/17 11:34	1
Sulfate	ND		2.0	0.35	mg/L			09/18/17 11:34	1

Lab Sample ID: LCS 480-377327/27
Matrix: Water
Analysis Batch: 377327

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	49.55		mg/L		99	90 - 110
Sulfate	50.0	47.03		mg/L		94	90 - 110

Lab Sample ID: LCS 480-377327/3
Matrix: Water
Analysis Batch: 377327

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	49.55		mg/L		99	90 - 110
Sulfate	50.0	47.06		mg/L		94	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-124014-4 MS
Matrix: Water
Analysis Batch: 377327

Client Sample ID: MW 10S 091217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	153		500	653.1		mg/L		100	81 - 120
Sulfate	350		500	810.2		mg/L		92	80 - 120

Method: 310.2_ASP - Alkalinity - Colorimetric

Lab Sample ID: MB 480-376712/30
Matrix: Water
Analysis Batch: 376712

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	5.51	J	10.0	4.0	mg/L			09/13/17 16:39	1

Lab Sample ID: MB 480-376712/42
Matrix: Water
Analysis Batch: 376712

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	7.62	J	10.0	4.0	mg/L			09/13/17 16:49	1

Lab Sample ID: MB 480-376712/60
Matrix: Water
Analysis Batch: 376712

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	8.00	J	10.0	4.0	mg/L			09/13/17 16:57	1

Lab Sample ID: MB 480-376712/68
Matrix: Water
Analysis Batch: 376712

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	7.12	J	10.0	4.0	mg/L			09/13/17 17:10	1

Lab Sample ID: 480-124014-2 DU
Matrix: Water
Analysis Batch: 376712

Client Sample ID: MW 1D 091217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Bicarbonate	311	B	321.9		mg/L		3	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 490-461144/2
Matrix: Water
Analysis Batch: 461144

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			09/19/17 15:30	1

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: LCS 490-461144/3
Matrix: Water
Analysis Batch: 461144

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	0.940		mg/L		94	90 - 110

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 480-377219/3
Matrix: Water
Analysis Batch: 377219

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	0.515	J	1.0	0.43	mg/L			09/14/17 16:49	1
DOC Result 1	0.501	J	1.0	0.43	mg/L			09/14/17 16:49	1
DOC Result 2	0.528	J	1.0	0.43	mg/L			09/14/17 16:49	1
Dissolved Organic Carbon - Duplicate	0.515	J	1.0	0.43	mg/L			09/14/17 16:49	1

Lab Sample ID: LCS 480-377219/4
Matrix: Water
Analysis Batch: 377219

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon	60.0	59.76		mg/L		100	90 - 110
DOC Result 1	60.0	59.11		mg/L		99	90 - 110
DOC Result 2	60.0	60.40		mg/L		101	90 - 110
Dissolved Organic Carbon - Duplicate	60.0	59.76		mg/L		100	90 - 110

GC/MS VOA

Analysis Batch: 377449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124014-1	MW 1S 091217	Total/NA	Water	8260C	
480-124014-2	MW 1D 091217	Total/NA	Water	8260C	
480-124014-3	MW 6D 091217	Total/NA	Water	8260C	
480-124014-4	MW 10S 091217	Total/NA	Water	8260C	
480-124014-5	MW 6DD 091217	Total/NA	Water	8260C	
480-124014-6	MW 10D 091217	Total/NA	Water	8260C	
480-124014-7	X-1 091217	Total/NA	Water	8260C	
480-124014-8	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-377449/6	Method Blank	Total/NA	Water	8260C	
LCS 480-377449/4	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 376706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124014-1	MW 1S 091217	Total/NA	Water	353.2	
480-124014-2	MW 1D 091217	Total/NA	Water	353.2	
480-124014-3	MW 6D 091217	Total/NA	Water	353.2	
480-124014-4	MW 10S 091217	Total/NA	Water	353.2	
480-124014-5	MW 6DD 091217	Total/NA	Water	353.2	
480-124014-6	MW 10D 091217	Total/NA	Water	353.2	
480-124014-7	X-1 091217	Total/NA	Water	353.2	

Analysis Batch: 376707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124014-1	MW 1S 091217	Total/NA	Water	353.2	
480-124014-2	MW 1D 091217	Total/NA	Water	353.2	
480-124014-3	MW 6D 091217	Total/NA	Water	353.2	
480-124014-4	MW 10S 091217	Total/NA	Water	353.2	
480-124014-5	MW 6DD 091217	Total/NA	Water	353.2	
480-124014-6	MW 10D 091217	Total/NA	Water	353.2	
480-124014-7	X-1 091217	Total/NA	Water	353.2	

Analysis Batch: 376712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124014-1	MW 1S 091217	Total/NA	Water	310.2_ASP	
480-124014-2	MW 1D 091217	Total/NA	Water	310.2_ASP	
480-124014-3	MW 6D 091217	Total/NA	Water	310.2_ASP	
480-124014-4	MW 10S 091217	Total/NA	Water	310.2_ASP	
480-124014-5	MW 6DD 091217	Total/NA	Water	310.2_ASP	
480-124014-6	MW 10D 091217	Total/NA	Water	310.2_ASP	
480-124014-7	X-1 091217	Total/NA	Water	310.2_ASP	
MB 480-376712/30	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-376712/42	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-376712/60	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-376712/68	Method Blank	Total/NA	Water	310.2_ASP	
LCS 480-376712/31	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-376712/43	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-376712/61	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-376712/69	Lab Control Sample	Total/NA	Water	310.2_ASP	

General Chemistry (Continued)

Analysis Batch: 376712 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124014-2 MS	MW 1D 091217	Total/NA	Water	310.2_ASP	
480-124014-2 DU	MW 1D 091217	Total/NA	Water	310.2_ASP	

Analysis Batch: 377219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124014-1	MW 1S 091217	Dissolved	Water	SM 5310C	
480-124014-2	MW 1D 091217	Dissolved	Water	SM 5310C	
480-124014-3	MW 6D 091217	Dissolved	Water	SM 5310C	
480-124014-4	MW 10S 091217	Dissolved	Water	SM 5310C	
480-124014-5	MW 6DD 091217	Dissolved	Water	SM 5310C	
480-124014-6	MW 10D 091217	Dissolved	Water	SM 5310C	
480-124014-7	X-1 091217	Dissolved	Water	SM 5310C	
MB 480-377219/3	Method Blank	Dissolved	Water	SM 5310C	
LCS 480-377219/4	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 377327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124014-1	MW 1S 091217	Total/NA	Water	300.0	
480-124014-2	MW 1D 091217	Total/NA	Water	300.0	
480-124014-3	MW 6D 091217	Total/NA	Water	300.0	
480-124014-4	MW 10S 091217	Total/NA	Water	300.0	
480-124014-5	MW 6DD 091217	Total/NA	Water	300.0	
480-124014-6	MW 10D 091217	Total/NA	Water	300.0	
480-124014-7	X-1 091217	Total/NA	Water	300.0	
MB 480-377327/28	Method Blank	Total/NA	Water	300.0	
MB 480-377327/4	Method Blank	Total/NA	Water	300.0	
LCS 480-377327/27	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-377327/3	Lab Control Sample	Total/NA	Water	300.0	
480-124014-4 MS	MW 10S 091217	Total/NA	Water	300.0	

Analysis Batch: 461144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124014-1	MW 1S 091217	Total/NA	Water	SM 4500 S2 D	
480-124014-2	MW 1D 091217	Total/NA	Water	SM 4500 S2 D	
480-124014-3	MW 6D 091217	Total/NA	Water	SM 4500 S2 D	
480-124014-4	MW 10S 091217	Total/NA	Water	SM 4500 S2 D	
480-124014-5	MW 6DD 091217	Total/NA	Water	SM 4500 S2 D	
480-124014-6	MW 10D 091217	Total/NA	Water	SM 4500 S2 D	
480-124014-7	X-1 091217	Total/NA	Water	SM 4500 S2 D	
MB 490-461144/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-461144/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	

Lab Chronicle

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

TestAmerica Job ID: 480-124014-1

Client Sample ID: MW 1S 091217
Date Collected: 09/12/17 10:30
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377449	09/18/17 22:57	NEA	TAL BUF
Total/NA	Analysis	300.0		20	377327	09/18/17 13:44	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	376712	09/13/17 16:39	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	376706	09/13/17 15:43	LED	TAL BUF
Total/NA	Analysis	353.2		1	376707	09/13/17 15:43	LED	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377219	09/14/17 17:34	EKB	TAL BUF

Client Sample ID: MW 1D 091217
Date Collected: 09/12/17 10:52
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377449	09/18/17 23:20	NEA	TAL BUF
Total/NA	Analysis	300.0		10	377327	09/18/17 13:52	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	376712	09/13/17 17:13	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	376706	09/13/17 15:44	LED	TAL BUF
Total/NA	Analysis	353.2		1	376707	09/13/17 15:44	LED	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377219	09/14/17 17:49	EKB	TAL BUF

Client Sample ID: MW 6D 091217
Date Collected: 09/12/17 13:02
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377449	09/18/17 23:43	NEA	TAL BUF
Total/NA	Analysis	300.0		10	377327	09/18/17 14:00	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	376712	09/13/17 17:13	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	376706	09/13/17 15:45	LED	TAL BUF
Total/NA	Analysis	353.2		1	376707	09/13/17 15:45	LED	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377219	09/14/17 18:03	EKB	TAL BUF

Client Sample ID: MW 10S 091217
Date Collected: 09/12/17 14:10
Date Received: 09/12/17 17:20

Lab Sample ID: 480-124014-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377449	09/19/17 00:07	NEA	TAL BUF

Client Sample ID: MW 10S 091217

Lab Sample ID: 480-124014-4

Date Collected: 09/12/17 14:10

Matrix: Water

Date Received: 09/12/17 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	377327	09/18/17 14:08	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	376712	09/13/17 17:13	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	376706	09/13/17 15:46	LED	TAL BUF
Total/NA	Analysis	353.2		1	376707	09/13/17 15:46	LED	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377219	09/14/17 18:18	EKB	TAL BUF

Client Sample ID: MW 6DD 091217

Lab Sample ID: 480-124014-5

Date Collected: 09/12/17 15:25

Matrix: Water

Date Received: 09/12/17 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377449	09/19/17 00:30	NEA	TAL BUF
Total/NA	Analysis	300.0		10	377327	09/18/17 14:57	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	376712	09/13/17 17:13	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	376706	09/13/17 15:47	LED	TAL BUF
Total/NA	Analysis	353.2		1	376707	09/13/17 15:47	LED	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377219	09/14/17 18:32	EKB	TAL BUF

Client Sample ID: MW 10D 091217

Lab Sample ID: 480-124014-6

Date Collected: 09/12/17 15:30

Matrix: Water

Date Received: 09/12/17 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377449	09/19/17 00:53	NEA	TAL BUF
Total/NA	Analysis	300.0		10	377327	09/18/17 15:05	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	376712	09/13/17 17:17	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	376706	09/13/17 15:48	LED	TAL BUF
Total/NA	Analysis	353.2		1	376707	09/13/17 15:48	LED	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377219	09/14/17 18:47	EKB	TAL BUF

Client Sample ID: X-1 091217

Lab Sample ID: 480-124014-7

Date Collected: 09/12/17 00:00

Matrix: Water

Date Received: 09/12/17 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377449	09/19/17 01:16	NEA	TAL BUF
Total/NA	Analysis	300.0		10	377327	09/18/17 15:14	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	376712	09/13/17 16:49	ALZ	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-124014-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	376706	09/13/17 15:49	LED	TAL BUF
Total/NA	Analysis	353.2		1	376707	09/13/17 15:49	LED	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377219	09/14/17 19:01	EKB	TAL BUF

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-124014-8

Date Collected: 09/12/17 00:00

Matrix: Water

Date Received: 09/12/17 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377449	09/19/17 01:39	NEA	TAL BUF

Laboratory References:

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

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-124014-1

Laboratory: 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	03-31-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
SM 5310C		Water	Dissolved Organic Carbon - Duplicate
SM 5310C		Water	DOC Result 1
SM 5310C		Water	DOC Result 2

Laboratory: 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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-124014-1

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	Nitrogen, Nitrite	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL NSH
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	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 = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = 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

TestAmerica Job ID: 480-124014-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-124014-1	MW 1S 091217	Water	09/12/17 10:30	09/12/17 17:20
480-124014-2	MW 1D 091217	Water	09/12/17 10:52	09/12/17 17:20
480-124014-3	MW 6D 091217	Water	09/12/17 13:02	09/12/17 17:20
480-124014-4	MW 10S 091217	Water	09/12/17 14:10	09/12/17 17:20
480-124014-5	MW 6DD 091217	Water	09/12/17 15:25	09/12/17 17:20
480-124014-6	MW 10D 091217	Water	09/12/17 15:30	09/12/17 17:20
480-124014-7	X-1 091217	Water	09/12/17 00:00	09/12/17 17:20
480-124014-8	QC TRIP BLANK	Water	09/12/17 00:00	09/12/17 17:20

Quantitation Limit Exceptions Summary

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

TestAmerica Job ID: 480-124014-1

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	Matrix	Analyte	Units	Client RL	Lab PQL
8260C	Water	Methyl acetate	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 Kornuk	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-101979-22905.2
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1360	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:	Analysis Requested	Preservation Codes:
City: East Syracuse	TAT Requested (days):		A - HCL M - Hexane B - NaOH C - Zn Ac D - Nitric A E - NaHS F - MeOH G - Amchl H - Ascorl /drate I - Ice 480-124014 COC J - DI Wa K - EDTA L - EDA Z - other (specify) Other:
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 Monitoring	Project #: 48002808		
Site:	SSOW#:		

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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	A	N	CB		
MW 1S 091217	9-12-17	1030	G	Water			3	1	2	2	1	1		
MW 1D 091217	9-12-17	10:52	G	Water			3	1	2	2	1	1		
MW 6D 091217	9-12-17	1302	G	Water			3	1	2	2	1	1		
MW 10S 091217	9-12-17	1410	G	Water			3	1	2	2	1	1		
MW 6DD 091217	9-12-17	15:25	G	Water			3	1	2	2	1	1		
MW 10D 091217	9-12-17	1530	G	Water			3	1	2	2	1	1		
X-1 091217	9-12-17	—	G	Water			3	1	2	2	1	1		
QC TRIP BLANK				Water			1							
				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 Kornuk	9-12-17 17:20	OBG		9/12/17 1710	TA Buf.
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: 3.5 3.3 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-124014-1

Login Number: 124014
List Number: 1
Creator: Conway, Curtis R

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.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-124014-1

Login Number: 124014
List Number: 2
Creator: Dawson, Keith M

List Source: TestAmerica Nashville
List Creation: 09/15/17 09:25 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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: 480-124182-1
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:
9/26/2017 7:29:28 AM

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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.
F1	MS and/or MSD Recovery is outside acceptance limits.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
B	Compound was found in the blank and sample.
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.

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: 480-124182-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-124182-1

Receipt
The samples were received on 9/14/2017 12:38 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 2.4º C.

GC/MS VOA
Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-377677 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. MW 8S 091317 (480-124182-3[MS]) and MW 8S 091317 (480-124182-3[MSD]).

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 was diluted to bring the concentration of target analytes within the calibration range: MW 8D 091317 (480-124182-1), MW 8DD 091317 (480-124182-2), MW 7DD 091317 (480-124182-4), MW 5S 091417 (480-124182-7), MW 4S 091417 (480-124182-8), MW 5D 091417 (480-124182-9), MW 4D 091417 (480-124182-10) and MW 6S 091417 (480-124182-12). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following samples was reported with elevated reporting limits for all analytes: MW 8S 091317 (480-124182-3), MW 7D 091317 (480-124182-5) and MW 7S 091317 (480-124182-6). The sample was analyzed at a dilution based on screening results.

Method(s) 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW 8DD 091317 (480-124182-2). 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 samples was filtered prior to analysis due to color, turbidity and/or particulates: MW 8D 091317 (480-124182-1), MW 8DD 091317 (480-124182-2), MW 7DD 091317 (480-124182-4) and MW 7S 091317 (480-124182-6)

Method(s) 353.2: The following samples was analyzed outside of analytical holding time due to analyst error: MW 8D 091317 (480-124182-1) and MW 8DD 091317 (480-124182-2).

Method(s) Nitrate by calc: The following samples was analyzed outside of analytical holding time due to analyst error. MW 8D 091317 (480-124182-1) and MW 8DD 091317 (480-124182-2).

Method(s) 353.2: The following samples was analyzed outside of analytical holding time due to analyst error: MW 8D 091317 (480-124182-1) and MW 8DD 091317 (480-124182-2).

Method(s) SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 490-461144 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

TestAmerica Job ID: 480-124182-1

Client Sample ID: MW 8D 091317 — Lab Sample ID: 480-124182-1

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	369		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	226		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	292	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.13		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	3.9	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 8DD 091317 — Lab Sample ID: 480-124182-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	110		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	1050		40.0	7.0	mg/L	20		300.0	Total/NA
Alkalinity, Bicarbonate	247	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Sulfide	1.8		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 8S 091317 — Lab Sample ID: 480-124182-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.74	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	3.0		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	6.5		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	61.7		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	205	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.091		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	2.6	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 7DD 091317 — Lab Sample ID: 480-124182-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260C	Total/NA
Chloride	42.2		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	400		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	240	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.033	J	0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.090	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	5.4	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 7D 091317 — Lab Sample ID: 480-124182-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.61	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.6		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	24.7		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	60.6		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	235	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.57		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	4.1	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

TestAmerica Job ID: 480-124182-1

Client Sample ID: MW 7S 091317 — Lab Sample ID: 480-124182-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.66	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.8		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	35.2		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	79.4		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	219	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.67		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	4.0	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 5S 091417 — Lab Sample ID: 480-124182-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	12		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	92		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	5.8		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	88		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.51	J	1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.2		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	33		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	2.1		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	12.2		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	326		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	442	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.032	J	0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.10		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	4.5	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 4S 091417 — Lab Sample ID: 480-124182-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	92.2		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	459		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	442	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.034	J	0.050	0.020	mg/L	1		353.2	Total/NA
Sulfide	0.14		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	7.1	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 5D 091417 — Lab Sample ID: 480-124182-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.51	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
Chloride	193		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	200		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	327	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.070	J	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	5.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 4D 091417 — Lab Sample ID: 480-124182-10

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW 4D 091417 (Continued) — Lab Sample ID: 480-124182-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.46	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	245		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	299		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	327	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.66		0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	3.6	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW 6S 091417 — Lab Sample ID: 480-124182-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	3.8		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	39.8		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	287		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	379	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	6.3	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-124182-13

No Detections.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-124182-1

Client Sample ID: MW 8D 091317
Date Collected: 09/13/17 09:05
Date Received: 09/14/17 12:38

Lab Sample ID: 480-124182-1
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			09/20/17 00:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 00:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 00:04	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 00:04	1
1,1-Dichloroethane	**0.75**	**J**	1.0	0.38	ug/L			09/20/17 00:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 00:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 00:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 00:04	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 00:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 00:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 00:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 00:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/17 00:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 00:04	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 00:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 00:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 00:04	1
Acetone	ND		10	3.0	ug/L			09/20/17 00:04	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 00:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 00:04	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 00:04	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 00:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 00:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 00:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 00:04	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 00:04	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 00:04	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 00:04	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 00:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/17 00:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 00:04	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 00:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 00:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 00:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 00:04	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 00:04	1
Methyl tert-butyl ether	**0.27**	**J**	1.0	0.16	ug/L			09/20/17 00:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 00:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 00:04	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 00:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/17 00:04	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 00:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 00:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 00:04	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/17 00:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 00:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/17 00:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 00:04	1

Client Sample ID: MW 8D 091317

Lab Sample ID: 480-124182-1

Date Collected: 09/13/17 09:05

Matrix: Water

Date Received: 09/14/17 12:38

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*09/20/17 00:04*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/20/17 00:04*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*09/20/17 00:04*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*09/20/17 00:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**369**		5.0	2.8	mg/L			09/20/17 12:15	10
Sulfate	**226**		20.0	3.5	mg/L			09/20/17 12:15	10
Alkalinity, Bicarbonate	**292**	**B**	40.0	16.0	mg/L			09/15/17 15:28	4
Nitrate as N	ND	H	0.050	0.020	mg/L			09/15/17 10:12	1
Nitrite as N	ND	H	0.050	0.020	mg/L			09/15/17 10:12	1
Sulfide	**0.13**		0.10	0.050	mg/L			09/19/17 15:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.9**	**B**	1.0	0.43	mg/L			09/19/17 12:02	1

Client Sample ID: MW 8DD 091317

Lab Sample ID: 480-124182-2

Date Collected: 09/13/17 09:17

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 00:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 00:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 00:31	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 00:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/17 00:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 00:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 00:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 00:31	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 00:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 00:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 00:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 00:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/17 00:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 00:31	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 00:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 00:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 00:31	1
Acetone	ND		10	3.0	ug/L			09/20/17 00:31	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 00:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 00:31	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 00:31	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 00:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 00:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 00:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 00:31	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 00:31	1

Client Sample ID: MW 8DD 091317

Lab Sample ID: 480-124182-2

Date Collected: 09/13/17 09:17

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 00:31	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 00:31	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 00:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/17 00:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 00:31	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 00:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 00:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 00:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 00:31	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 00:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/17 00:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 00:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 00:31	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 00:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/17 00:31	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 00:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 00:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 00:31	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/17 00:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 00:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/17 00:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*09/20/17 00:31*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/20/17 00:31*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*09/20/17 00:31*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*09/20/17 00:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		5.0	2.8	mg/L			09/20/17 12:23	10
Sulfate	**1050**		40.0	7.0	mg/L			09/21/17 19:18	20
Alkalinity, Bicarbonate	**247**	**B**	30.0	12.0	mg/L			09/15/17 15:28	3
Nitrate as N	ND	H	0.050	0.020	mg/L			09/15/17 10:13	1
Nitrite as N	ND	H	0.050	0.020	mg/L			09/15/17 10:13	1
Sulfide	**1.8**		0.10	0.050	mg/L			09/19/17 15:30	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			09/19/17 12:17	1

Client Sample ID: MW 8S 091317

Lab Sample ID: 480-124182-3

Date Collected: 09/13/17 11:05

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 00:59	1
1,1,2,2-Tetrachloroethane	ND	F1	1.0	0.21	ug/L			09/20/17 00:59	1

Client Sample ID: MW 8S 091317
Date Collected: 09/13/17 11:05
Date Received: 09/14/17 12:38

Lab Sample ID: 480-124182-3
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	F1	1.0	0.23	ug/L			09/20/17 00:59	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 00:59	1
1,1-Dichloroethane	ND	F1	1.0	0.38	ug/L			09/20/17 00:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 00:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 00:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 00:59	1
1,2-Dibromoethane (EDB)	ND	F1	1.0	0.73	ug/L			09/20/17 00:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 00:59	1
1,2-Dichloroethane	ND	F1	1.0	0.21	ug/L			09/20/17 00:59	1
1,2-Dichloropropane	ND	F1	1.0	0.72	ug/L			09/20/17 00:59	1
1,3-Dichlorobenzene	ND	F1	1.0	0.78	ug/L			09/20/17 00:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 00:59	1
2-Hexanone	ND	F1	5.0	1.2	ug/L			09/20/17 00:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 00:59	1
4-Methyl-2-pentanone (MIBK)	ND	F1	5.0	2.1	ug/L			09/20/17 00:59	1
Acetone	ND		10	3.0	ug/L			09/20/17 00:59	1
Benzene	ND	F1	1.0	0.41	ug/L			09/20/17 00:59	1
Bromodichloromethane	ND	F1	1.0	0.39	ug/L			09/20/17 00:59	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 00:59	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 00:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 00:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 00:59	1
Chlorobenzene	ND	F1	1.0	0.75	ug/L			09/20/17 00:59	1
Chlorodibromomethane	ND	F1	1.0	0.32	ug/L			09/20/17 00:59	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 00:59	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 00:59	1
Chloromethane	ND	F1	1.0	0.35	ug/L			09/20/17 00:59	1
cis-1,2-Dichloroethene	**3.0**		1.0	0.81	ug/L			09/20/17 00:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 00:59	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 00:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 00:59	1
Ethylbenzene	ND	F1	1.0	0.74	ug/L			09/20/17 00:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 00:59	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 00:59	1
Methyl tert-butyl ether	ND	F1	1.0	0.16	ug/L			09/20/17 00:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 00:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 00:59	1
Styrene	ND	F1	1.0	0.73	ug/L			09/20/17 00:59	1
Tetrachloroethene	**0.74**	**J**	1.0	0.36	ug/L			09/20/17 00:59	1
Toluene	ND	F1	1.0	0.51	ug/L			09/20/17 00:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 00:59	1
trans-1,3-Dichloropropene	ND	F1	1.0	0.37	ug/L			09/20/17 00:59	1
Trichloroethene	**3.0**		1.0	0.46	ug/L			09/20/17 00:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 00:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/17 00:59	1
Xylenes, Total	ND	F1	2.0	0.66	ug/L			09/20/17 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*09/20/17 00:59*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/20/17 00:59*	*1*

Client Sample ID: MW 8S 091317

Lab Sample ID: 480-124182-3

Date Collected: 09/13/17 11:05

Matrix: Water

Date Received: 09/14/17 12:38

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*09/20/17 00:59*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*09/20/17 00:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.5**		1.0	0.56	mg/L			09/20/17 12:39	2
Sulfate	**61.7**		4.0	0.70	mg/L			09/20/17 12:39	2
Alkalinity, Bicarbonate	**205**	**B**	30.0	12.0	mg/L			09/15/17 15:48	3
Nitrate as N	**0.091**		0.050	0.020	mg/L			09/15/17 10:54	1
Nitrite as N	ND		0.050	0.020	mg/L			09/15/17 10:54	1
Sulfide	ND	F1	0.10	0.050	mg/L			09/19/17 15:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.6**	**B**	1.0	0.43	mg/L			09/19/17 19:49	1

Client Sample ID: MW 7DD 091317

Lab Sample ID: 480-124182-4

Date Collected: 09/13/17 11:08

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 01:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 01:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 01:26	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 01:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/17 01:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 01:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 01:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 01:26	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 01:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 01:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 01:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 01:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/17 01:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 01:26	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 01:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 01:26	1
Acetone	ND		10	3.0	ug/L			09/20/17 01:26	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 01:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 01:26	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 01:26	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 01:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 01:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 01:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 01:26	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 01:26	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 01:26	1

Client Sample ID: MW 7DD 091317

Lab Sample ID: 480-124182-4

Date Collected: 09/13/17 11:08

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 01:26	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 01:26	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.81	ug/L			09/20/17 01:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 01:26	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 01:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 01:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 01:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 01:26	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 01:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/17 01:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 01:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 01:26	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 01:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/17 01:26	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 01:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 01:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 01:26	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/17 01:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 01:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/17 01:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*09/20/17 01:26*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/20/17 01:26*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*09/20/17 01:26*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*09/20/17 01:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.2**		2.5	1.4	mg/L			09/20/17 12:31	5
Sulfate	**400**		10.0	1.7	mg/L			09/20/17 12:31	5
Alkalinity, Bicarbonate	**240**	**B**	30.0	12.0	mg/L			09/15/17 15:28	3
Nitrate as N	**0.033**	**J**	0.050	0.020	mg/L			09/15/17 10:14	1
Nitrite as N	ND		0.050	0.020	mg/L			09/15/17 10:14	1
Sulfide	**0.090**	**J**	0.10	0.050	mg/L			09/19/17 15:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**5.4**	**B**	1.0	0.43	mg/L			09/19/17 12:32	1

Client Sample ID: MW 7D 091317

Lab Sample ID: 480-124182-5

Date Collected: 09/13/17 13:20

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 01:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 01:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 01:54	1

Client Sample ID: MW 7D 091317
Date Collected: 09/13/17 13:20
Date Received: 09/14/17 12:38

Lab Sample ID: 480-124182-5
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			09/20/17 01:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/17 01:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 01:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 01:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 01:54	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 01:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 01:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 01:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 01:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/17 01:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 01:54	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 01:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 01:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 01:54	1
Acetone	ND		10	3.0	ug/L			09/20/17 01:54	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 01:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 01:54	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 01:54	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 01:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 01:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 01:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 01:54	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 01:54	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 01:54	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 01:54	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 01:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/17 01:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 01:54	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 01:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 01:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 01:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 01:54	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 01:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/17 01:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 01:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 01:54	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 01:54	1
Tetrachloroethene	**0.61**	**J**	1.0	0.36	ug/L			09/20/17 01:54	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 01:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 01:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 01:54	1
Trichloroethene	**1.6**		1.0	0.46	ug/L			09/20/17 01:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 01:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/17 01:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*09/20/17 01:54*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/20/17 01:54*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*09/20/17 01:54*	*1*

Client Sample ID: MW 7D 091317

Lab Sample ID: 480-124182-5

Date Collected: 09/13/17 13:20

Matrix: Water

Date Received: 09/14/17 12:38

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*09/20/17 01:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.7**		1.0	0.56	mg/L			09/20/17 13:20	2
Sulfate	**60.6**		4.0	0.70	mg/L			09/20/17 13:20	2
Alkalinity, Bicarbonate	**235**	**B**	30.0	12.0	mg/L			09/15/17 15:28	3
Nitrate as N	**0.57**		0.050	0.020	mg/L			09/15/17 10:57	1
Nitrite as N	ND		0.050	0.020	mg/L			09/15/17 10:57	1
Sulfide	ND		0.10	0.050	mg/L			09/19/17 15:30	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			09/19/17 12:47	1

Client Sample ID: MW 7S 091317

Lab Sample ID: 480-124182-6

Date Collected: 09/13/17 13:25

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 02:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 02:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 02:21	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 02:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/17 02:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 02:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 02:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 02:21	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 02:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 02:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 02:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 02:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/17 02:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 02:21	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 02:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 02:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 02:21	1
Acetone	ND		10	3.0	ug/L			09/20/17 02:21	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 02:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 02:21	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 02:21	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 02:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 02:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 02:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 02:21	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 02:21	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 02:21	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 02:21	1

Client Sample ID: MW 7S 091317

Lab Sample ID: 480-124182-6

Date Collected: 09/13/17 13:25

Matrix: Water

Date Received: 09/14/17 12:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 02:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/17 02:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 02:21	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 02:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 02:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 02:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 02:21	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 02:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/17 02:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 02:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 02:21	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 02:21	1
Tetrachloroethene	**0.66**	**J**	1.0	0.36	ug/L			09/20/17 02:21	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 02:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 02:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 02:21	1
Trichloroethene	**1.8**		1.0	0.46	ug/L			09/20/17 02:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 02:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/17 02:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*09/20/17 02:21*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/20/17 02:21*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*09/20/17 02:21*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*09/20/17 02:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.2**		1.0	0.56	mg/L			09/20/17 13:28	2
Sulfate	**79.4**		4.0	0.70	mg/L			09/20/17 13:28	2
Alkalinity, Bicarbonate	**219**	**B**	30.0	12.0	mg/L			09/15/17 15:28	3
Nitrate as N	**0.67**		0.050	0.020	mg/L			09/15/17 10:58	1
Nitrite as N	ND		0.050	0.020	mg/L			09/15/17 10:58	1
Sulfide	ND		0.10	0.050	mg/L			09/19/17 15:30	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			09/19/17 13:31	1

Client Sample ID: MW 5S 091417

Lab Sample ID: 480-124182-7

Date Collected: 09/14/17 07:15

Matrix: Water

Date Received: 09/14/17 12:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**12**		1.0	0.82	ug/L			09/20/17 02:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 02:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 02:48	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 02:48	1

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

TestAmerica Job ID: 480-124182-1

Client Sample ID: MW 5S 091417
Date Collected: 09/14/17 07:15
Date Received: 09/14/17 12:38

Lab Sample ID: 480-124182-7
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	**92**		1.0	0.38	ug/L			09/20/17 02:48	1
1,1-Dichloroethene	**5.8**		1.0	0.29	ug/L			09/20/17 02:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 02:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 02:48	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 02:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 02:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 02:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 02:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/17 02:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 02:48	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 02:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 02:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 02:48	1
Acetone	ND		10	3.0	ug/L			09/20/17 02:48	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 02:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 02:48	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 02:48	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 02:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 02:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 02:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 02:48	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 02:48	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 02:48	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 02:48	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 02:48	1
cis-1,2-Dichloroethene	**88**		1.0	0.81	ug/L			09/20/17 02:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 02:48	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 02:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 02:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 02:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 02:48	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 02:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/17 02:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 02:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 02:48	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 02:48	1
Tetrachloroethene	**0.51**	**J**	1.0	0.36	ug/L			09/20/17 02:48	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 02:48	1
trans-1,2-Dichloroethene	**3.2**		1.0	0.90	ug/L			09/20/17 02:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 02:48	1
Trichloroethene	**33**		1.0	0.46	ug/L			09/20/17 02:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 02:48	1
Vinyl chloride	**2.1**		1.0	0.90	ug/L			09/20/17 02:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*09/20/17 02:48*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/20/17 02:48*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*09/20/17 02:48*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*09/20/17 02:48*	*1*

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

TestAmerica Job ID: 480-124182-1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		2.5	1.4	mg/L			09/20/17 13:36	5
Sulfate	326		10.0	1.7	mg/L			09/20/17 13:36	5
Alkalinity, Bicarbonate	442	B	50.0	20.0	mg/L			09/15/17 16:00	5
Nitrate as N	0.032	J	0.050	0.020	mg/L			09/15/17 17:27	1
Nitrite as N	ND		0.050	0.020	mg/L			09/15/17 17:27	1
Sulfide	0.10		0.10	0.050	mg/L			09/19/17 16:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	4.5	B	1.0	0.43	mg/L			09/19/17 13:46	1

Client Sample ID: MW 4S 091417

Lab Sample ID: 480-124182-8

Date Collected: 09/14/17 07:40

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 03:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 03:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 03:16	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 03:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/17 03:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 03:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 03:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 03:16	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 03:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 03:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 03:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 03:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/17 03:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 03:16	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 03:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 03:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 03:16	1
Acetone	ND		10	3.0	ug/L			09/20/17 03:16	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 03:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 03:16	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 03:16	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 03:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 03:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 03:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 03:16	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 03:16	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 03:16	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 03:16	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 03:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/17 03:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 03:16	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 03:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 03:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 03:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 03:16	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 03:16	1

Client Sample ID: MW 4S 091417

Date Collected: 09/14/17 07:40
Date Received: 09/14/17 12:38

Lab Sample ID: 480-124182-8
Matrix: Water

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			09/20/17 03:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 03:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 03:16	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 03:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/17 03:16	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 03:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 03:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 03:16	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/17 03:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 03:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/17 03:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*09/20/17 03:16*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/20/17 03:16*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/20/17 03:16*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*09/20/17 03:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.2**		2.5	1.4	mg/L			09/20/17 13:45	5
Sulfate	**459**		10.0	1.7	mg/L			09/20/17 13:45	5
Alkalinity, Bicarbonate	**442**	**B**	50.0	20.0	mg/L			09/15/17 16:00	5
Nitrate as N	**0.034**	**J**	0.050	0.020	mg/L			09/15/17 17:28	1
Nitrite as N	ND		0.050	0.020	mg/L			09/15/17 17:28	1
Sulfide	**0.14**		0.10	0.050	mg/L			09/19/17 16:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**7.1**	**B**	1.0	0.43	mg/L			09/19/17 14:02	1

Client Sample ID: MW 5D 091417

Date Collected: 09/14/17 09:05
Date Received: 09/14/17 12:38

Lab Sample ID: 480-124182-9
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			09/20/17 03:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 03:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 03:43	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 03:43	1
1,1-Dichloroethane	**0.51**	**J**	1.0	0.38	ug/L			09/20/17 03:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 03:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 03:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 03:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 03:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 03:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 03:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 03:43	1

Client Sample ID: MW 5D 091417
Date Collected: 09/14/17 09:05
Date Received: 09/14/17 12:38

Lab Sample ID: 480-124182-9
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			09/20/17 03:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 03:43	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 03:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 03:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 03:43	1
Acetone	ND		10	3.0	ug/L			09/20/17 03:43	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 03:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 03:43	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 03:43	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 03:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 03:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 03:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 03:43	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 03:43	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 03:43	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 03:43	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 03:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/17 03:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 03:43	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 03:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 03:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 03:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 03:43	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 03:43	1
Methyl tert-butyl ether	**0.38**	**J**	1.0	0.16	ug/L			09/20/17 03:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 03:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 03:43	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 03:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/17 03:43	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 03:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 03:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 03:43	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/17 03:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 03:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/17 03:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*09/20/17 03:43*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/20/17 03:43*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/20/17 03:43*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*09/20/17 03:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**193**		2.5	1.4	mg/L			09/20/17 13:53	5
Sulfate	**200**		10.0	1.7	mg/L			09/20/17 13:53	5
Alkalinity, Bicarbonate	**327**	**B**	40.0	16.0	mg/L			09/15/17 15:41	4
Nitrate as N	ND		0.050	0.020	mg/L			09/15/17 17:37	1
Nitrite as N	ND		0.050	0.020	mg/L			09/15/17 17:37	1

Client Sample ID: MW 5D 091417

Lab Sample ID: 480-124182-9

Date Collected: 09/14/17 09:05

Matrix: Water

Date Received: 09/14/17 12:38

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	0.070	J	0.10	0.050	mg/L			09/19/17 16:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	5.2	B	1.0	0.43	mg/L			09/19/17 14:17	1

Client Sample ID: MW 4D 091417

Lab Sample ID: 480-124182-10

Date Collected: 09/14/17 09:54

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 04:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 04:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 04:11	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 04:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/17 04:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 04:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 04:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 04:11	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 04:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 04:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 04:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 04:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/17 04:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 04:11	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 04:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 04:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 04:11	1
Acetone	ND		10	3.0	ug/L			09/20/17 04:11	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 04:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 04:11	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 04:11	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 04:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 04:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 04:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 04:11	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 04:11	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 04:11	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 04:11	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 04:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/17 04:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 04:11	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 04:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 04:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 04:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 04:11	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 04:11	1
Methyl tert-butyl ether	0.46	J	1.0	0.16	ug/L			09/20/17 04:11	1

Client Sample ID: MW 4D 091417

Lab Sample ID: 480-124182-10

Date Collected: 09/14/17 09:54

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 04:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 04:11	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 04:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/17 04:11	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 04:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 04:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 04:11	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/17 04:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 04:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/17 04:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/20/17 04:11*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/20/17 04:11*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*09/20/17 04:11*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*09/20/17 04:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**245**		2.5	1.4	mg/L			09/20/17 14:01	5
Sulfate	**299**		10.0	1.7	mg/L			09/20/17 14:01	5
Alkalinity, Bicarbonate	**327**	**B**	40.0	16.0	mg/L			09/15/17 15:41	4
Nitrate as N	ND		0.050	0.020	mg/L			09/15/17 17:38	1
Nitrite as N	ND		0.050	0.020	mg/L			09/15/17 17:38	1
Sulfide	**0.66**		0.10	0.050	mg/L			09/19/17 16:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.6**	**B**	1.0	0.43	mg/L			09/19/17 14:32	1

Client Sample ID: MW 6S 091417

Lab Sample ID: 480-124182-12

Date Collected: 09/14/17 10:10

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 04:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 04:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 04:38	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 04:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/17 04:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 04:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 04:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 04:38	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 04:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 04:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 04:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 04:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/17 04:38	1

Client Sample ID: MW 6S 091417
Date Collected: 09/14/17 10:10
Date Received: 09/14/17 12:38

Lab Sample ID: 480-124182-12
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			09/20/17 04:38	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 04:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 04:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 04:38	1
Acetone	**3.3**	**J**	10	3.0	ug/L			09/20/17 04:38	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 04:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 04:38	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 04:38	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 04:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 04:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 04:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 04:38	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 04:38	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 04:38	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 04:38	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 04:38	1
cis-1,2-Dichloroethene	**10**		1.0	0.81	ug/L			09/20/17 04:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 04:38	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 04:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 04:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 04:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 04:38	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 04:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/17 04:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 04:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 04:38	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 04:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/17 04:38	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 04:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 04:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 04:38	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/17 04:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 04:38	1
Vinyl chloride	**3.8**		1.0	0.90	ug/L			09/20/17 04:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/20/17 04:38*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/20/17 04:38*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*09/20/17 04:38*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*09/20/17 04:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.8**		2.5	1.4	mg/L			09/20/17 14:09	5
Sulfate	**287**		10.0	1.7	mg/L			09/20/17 14:09	5
Alkalinity, Bicarbonate	**379**	**B**	40.0	16.0	mg/L			09/15/17 15:48	4
Nitrate as N	ND		0.050	0.020	mg/L			09/15/17 17:39	1
Nitrite as N	ND		0.050	0.020	mg/L			09/15/17 17:39	1
Sulfide	ND		0.10	0.050	mg/L			09/19/17 16:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	6.3	B	1.0	0.43	mg/L			09/19/17 14:48	1

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-124182-13

Date Collected: 09/14/17 00:00

Matrix: Water

Date Received: 09/14/17 12:38

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			09/20/17 05:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/17 05:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/17 05:06	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/17 05:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/17 05:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/17 05:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/17 05:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/17 05:06	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/17 05:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/17 05:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/17 05:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/17 05:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/17 05:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/17 05:06	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/17 05:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/17 05:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/17 05:06	1
Acetone	ND		10	3.0	ug/L			09/20/17 05:06	1
Benzene	ND		1.0	0.41	ug/L			09/20/17 05:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/17 05:06	1
Bromoform	ND		1.0	0.26	ug/L			09/20/17 05:06	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/17 05:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/17 05:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/17 05:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/17 05:06	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/17 05:06	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/17 05:06	1
Chloroform	ND		1.0	0.34	ug/L			09/20/17 05:06	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/17 05:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/17 05:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/17 05:06	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/17 05:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/17 05:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/17 05:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/17 05:06	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/17 05:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/17 05:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/17 05:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/17 05:06	1
Styrene	ND		1.0	0.73	ug/L			09/20/17 05:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/17 05:06	1
Toluene	ND		1.0	0.51	ug/L			09/20/17 05:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/17 05:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/17 05:06	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/17 05:06	1

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

TestAmerica Job ID: 480-124182-1

Client Sample ID: QC TRIP BLANK
Date Collected: 09/14/17 00:00
Date Received: 09/14/17 12:38

Lab Sample ID: 480-124182-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/17 05:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/17 05:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/17 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*09/20/17 05:06*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/20/17 05:06*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/20/17 05:06*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*09/20/17 05:06*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-124182-1

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	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-124182-1	MW 8D 091317	94	103	101	91
480-124182-2	MW 8DD 091317	90	102	104	91
480-124182-3	MW 8S 091317	89	105	101	90
480-124182-3 MS	MW 8S 091317	99	102	107	100
480-124182-3 MSD	MW 8S 091317	96	101	105	96
480-124182-4	MW 7DD 091317	92	102	102	92
480-124182-5	MW 7D 091317	95	104	102	94
480-124182-6	MW 7S 091317	97	105	100	97
480-124182-7	MW 5S 091417	94	104	103	95
480-124182-8	MW 4S 091417	96	103	99	94
480-124182-9	MW 5D 091417	96	102	99	94
480-124182-10	MW 4D 091417	101	103	101	100
480-124182-12	MW 6S 091417	99	102	100	95
480-124182-13	QC TRIP BLANK	97	101	98	96
LCS 480-377677/5	Lab Control Sample	93	103	105	93
MB 480-377677/7	Method Blank	93	103	99	91

Surrogate Legend

12DCE = 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 480-377677/7
Matrix: Water
Analysis Batch: 377677

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			09/19/17 22:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/19/17 22:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/19/17 22:04	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/19/17 22:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/19/17 22:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/19/17 22:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/19/17 22:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/19/17 22:04	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/19/17 22:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/19/17 22:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/19/17 22:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/19/17 22:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/19/17 22:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/19/17 22:04	1
2-Hexanone	ND		5.0	1.2	ug/L			09/19/17 22:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/19/17 22:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/19/17 22:04	1
Acetone	ND		10	3.0	ug/L			09/19/17 22:04	1
Benzene	ND		1.0	0.41	ug/L			09/19/17 22:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/19/17 22:04	1
Bromoform	ND		1.0	0.26	ug/L			09/19/17 22:04	1
Bromomethane	ND		1.0	0.69	ug/L			09/19/17 22:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/19/17 22:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/19/17 22:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/19/17 22:04	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/19/17 22:04	1
Chloroethane	ND		1.0	0.32	ug/L			09/19/17 22:04	1
Chloroform	ND		1.0	0.34	ug/L			09/19/17 22:04	1
Chloromethane	ND		1.0	0.35	ug/L			09/19/17 22:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/19/17 22:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/19/17 22:04	1
Cyclohexane	ND		1.0	0.18	ug/L			09/19/17 22:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/19/17 22:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/19/17 22:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/19/17 22:04	1
Methyl acetate	ND		1.3	1.3	ug/L			09/19/17 22:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/19/17 22:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/19/17 22:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/19/17 22:04	1
Styrene	ND		1.0	0.73	ug/L			09/19/17 22:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/19/17 22:04	1
Toluene	ND		1.0	0.51	ug/L			09/19/17 22:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/19/17 22:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/19/17 22:04	1
Trichloroethene	ND		1.0	0.46	ug/L			09/19/17 22:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/19/17 22:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/19/17 22:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/19/17 22:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*09/19/17 22:04*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/19/17 22:04*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/19/17 22:04*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*09/19/17 22:04*	*1*

Lab Sample ID: LCS 480-377677/5
Matrix: Water
Analysis Batch: 377677

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	23.3		ug/L		93	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.7		ug/L		107	76 - 120
1,1,2-Trichloroethane	25.0	25.1		ug/L		101	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	24.2		ug/L		97	61 - 148
1,1-Dichloroethane	25.0	23.5		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	23.3		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	26.7		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.8		ug/L		107	56 - 134
1,2-Dibromoethane (EDB)	25.0	25.3		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	23.4		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	27.2		ug/L		109	77 - 120
1,4-Dichlorobenzene	25.0	26.5		ug/L		106	80 - 120
2-Hexanone	125	134		ug/L		108	65 - 127
2-Butanone (MEK)	125	114		ug/L		91	57 - 140
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		106	71 - 125
Acetone	125	109		ug/L		87	56 - 142
Benzene	25.0	22.9		ug/L		92	71 - 124
Bromodichloromethane	25.0	23.4		ug/L		94	80 - 122
Bromoform	25.0	26.1		ug/L		104	61 - 132
Bromomethane	25.0	22.3		ug/L		89	55 - 144
Carbon disulfide	25.0	24.5		ug/L		98	59 - 134
Carbon tetrachloride	25.0	23.9		ug/L		95	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120
Chlorodibromomethane	25.0	26.6		ug/L		106	75 - 125
Chloroethane	25.0	23.1		ug/L		92	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	21.5		ug/L		86	68 - 124
cis-1,2-Dichloroethene	25.0	22.0		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	23.8		ug/L		95	74 - 124
Cyclohexane	25.0	24.4		ug/L		98	59 - 135
Dichlorodifluoromethane	25.0	24.0		ug/L		96	59 - 135
Ethylbenzene	25.0	25.9		ug/L		104	77 - 123
Isopropylbenzene	25.0	26.7		ug/L		107	77 - 122
Methyl acetate	125	116		ug/L		93	74 - 133
Methyl tert-butyl ether	25.0	24.3		ug/L		97	77 - 120
Methylcyclohexane	25.0	24.0		ug/L		96	68 - 134
Methylene Chloride	25.0	21.1		ug/L		84	75 - 124
Styrene	25.0	27.4		ug/L		110	80 - 120
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
Toluene	25.0	25.6		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	19.8		ug/L		79	73 - 127
trans-1,3-Dichloropropene	25.0	26.6		ug/L		106	80 - 120

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

Lab Sample ID: LCS 480-377677/5
Matrix: Water
Analysis Batch: 377677

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	25.0	22.6		ug/L		90	74 - 123
Trichlorofluoromethane	25.0	26.0		ug/L		104	62 - 150
Vinyl chloride	25.0	23.1		ug/L		92	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*

Lab Sample ID: 480-124182-3 MS
Matrix: Water
Analysis Batch: 377677

Client Sample ID: MW 8S 091317
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	30.4		ug/L		122	73 - 126
1,1,2,2-Tetrachloroethane	ND	F1	25.0	32.2	F1	ug/L		129	76 - 120
1,1,2-Trichloroethane	ND	F1	25.0	31.8	F1	ug/L		127	76 - 122
1,1,2-Trichlorotrifluoroethane	ND		25.0	25.1		ug/L		101	61 - 148
1,1-Dichloroethane	ND	F1	25.0	32.7	F1	ug/L		131	77 - 120
1,1-Dichloroethene	ND		25.0	30.7		ug/L		123	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	30.5		ug/L		122	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	30.8		ug/L		123	56 - 134
1,2-Dibromoethane (EDB)	ND	F1	25.0	33.0	F1	ug/L		132	77 - 120
1,2-Dichlorobenzene	ND		25.0	29.9		ug/L		120	80 - 124
1,2-Dichloroethane	ND	F1	25.0	32.7	F1	ug/L		131	75 - 120
1,2-Dichloropropane	ND	F1	25.0	31.8	F1	ug/L		127	76 - 120
1,3-Dichlorobenzene	ND	F1	25.0	31.1	F1	ug/L		125	77 - 120
1,4-Dichlorobenzene	ND		25.0	30.0		ug/L		120	78 - 124
2-Hexanone	ND	F1	125	163	F1	ug/L		131	65 - 127
2-Butanone (MEK)	ND		125	139		ug/L		111	57 - 140
4-Methyl-2-pentanone (MIBK)	ND	F1	125	169	F1	ug/L		135	71 - 125
Acetone	ND		125	107		ug/L		85	56 - 142
Benzene	ND	F1	25.0	31.4	F1	ug/L		126	71 - 124
Bromodichloromethane	ND	F1	25.0	30.6	F1	ug/L		123	80 - 122
Bromoform	ND		25.0	32.3		ug/L		129	61 - 132
Bromomethane	ND		25.0	29.9		ug/L		120	55 - 144
Carbon disulfide	ND		25.0	31.3		ug/L		125	59 - 134
Carbon tetrachloride	ND		25.0	29.3		ug/L		117	72 - 134
Chlorobenzene	ND	F1	25.0	32.4	F1	ug/L		130	80 - 120
Chlorodibromomethane	ND	F1	25.0	33.3	F1	ug/L		133	75 - 125
Chloroethane	ND		25.0	30.6		ug/L		122	69 - 136
Chloroform	ND		25.0	31.5		ug/L		126	73 - 127
Chloromethane	ND	F1	25.0	32.7	F1	ug/L		131	68 - 124
cis-1,2-Dichloroethene	3.0		25.0	32.1		ug/L		116	74 - 124
cis-1,3-Dichloropropene	ND		25.0	29.8		ug/L		119	74 - 124
Cyclohexane	ND		25.0	25.6		ug/L		102	59 - 135
Dichlorodifluoromethane	ND		25.0	22.6		ug/L		90	59 - 135

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

Lab Sample ID: 480-124182-3 MS
Matrix: Water
Analysis Batch: 377677

Client Sample ID: MW 8S 091317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND	F1	25.0	31.2	F1	ug/L		125	77 - 123
Isopropylbenzene	ND		25.0	29.3		ug/L		117	77 - 122
Methyl acetate	ND		125	149		ug/L		119	74 - 133
Methyl tert-butyl ether	ND	F1	25.0	30.7	F1	ug/L		123	77 - 120
Methylcyclohexane	ND		25.0	23.6		ug/L		94	68 - 134
Methylene Chloride	ND		25.0	28.3		ug/L		113	75 - 124
Styrene	ND	F1	25.0	33.4	F1	ug/L		133	80 - 120
Tetrachloroethene	0.74	J	25.0	29.8		ug/L		116	74 - 122
Toluene	ND	F1	25.0	32.2	F1	ug/L		129	80 - 122
trans-1,2-Dichloroethene	ND		25.0	26.9		ug/L		108	73 - 127
trans-1,3-Dichloropropene	ND	F1	25.0	31.7	F1	ug/L		127	80 - 120
Trichloroethene	3.0		25.0	31.2		ug/L		113	74 - 123
Trichlorofluoromethane	ND		25.0	26.1		ug/L		105	62 - 150
Vinyl chloride	ND		25.0	30.6		ug/L		122	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: 480-124182-3 MSD
Matrix: Water
Analysis Batch: 377677

Client Sample ID: MW 8S 091317
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	28.7		ug/L		115	73 - 126	6	15
1,1,2,2-Tetrachloroethane	ND	F1	25.0	31.8	F1	ug/L		127	76 - 120	1	15
1,1,2-Trichloroethane	ND	F1	25.0	30.6		ug/L		122	76 - 122	4	15
1,1,2-Trichlorotrifluoroethane	ND		25.0	21.6		ug/L		87	61 - 148	15	20
1,1-Dichloroethane	ND	F1	25.0	31.1	F1	ug/L		125	77 - 120	5	20
1,1-Dichloroethene	ND		25.0	27.1		ug/L		108	66 - 127	12	16
1,2,4-Trichlorobenzene	ND		25.0	29.6		ug/L		118	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		25.0	31.8		ug/L		127	56 - 134	3	15
1,2-Dibromoethane (EDB)	ND	F1	25.0	31.8	F1	ug/L		127	77 - 120	4	15
1,2-Dichlorobenzene	ND		25.0	29.7		ug/L		119	80 - 124	1	20
1,2-Dichloroethane	ND	F1	25.0	30.5	F1	ug/L		122	75 - 120	7	20
1,2-Dichloropropane	ND	F1	25.0	30.9	F1	ug/L		123	76 - 120	3	20
1,3-Dichlorobenzene	ND	F1	25.0	30.8	F1	ug/L		123	77 - 120	1	20
1,4-Dichlorobenzene	ND		25.0	30.1		ug/L		120	78 - 124	0	20
2-Hexanone	ND	F1	125	160	F1	ug/L		128	65 - 127	2	15
2-Butanone (MEK)	ND		125	134		ug/L		107	57 - 140	4	20
4-Methyl-2-pentanone (MIBK)	ND	F1	125	167	F1	ug/L		133	71 - 125	1	35
Acetone	ND		125	103		ug/L		83	56 - 142	3	15
Benzene	ND	F1	25.0	29.6		ug/L		118	71 - 124	6	13
Bromodichloromethane	ND	F1	25.0	29.6		ug/L		119	80 - 122	3	15
Bromoform	ND		25.0	30.9		ug/L		124	61 - 132	5	15
Bromomethane	ND		25.0	28.9		ug/L		116	55 - 144	3	15

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

Lab Sample ID: 480-124182-3 MSD
Matrix: Water
Analysis Batch: 377677

Client Sample ID: MW 8S 091317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	ND		25.0	29.6		ug/L		118	59 - 134	6	15
Carbon tetrachloride	ND		25.0	27.1		ug/L		109	72 - 134	8	15
Chlorobenzene	ND	F1	25.0	31.0	F1	ug/L		124	80 - 120	4	25
Chlorodibromomethane	ND	F1	25.0	32.4	F1	ug/L		129	75 - 125	3	15
Chloroethane	ND		25.0	29.7		ug/L		119	69 - 136	3	15
Chloroform	ND		25.0	30.0		ug/L		120	73 - 127	5	20
Chloromethane	ND	F1	25.0	28.5		ug/L		114	68 - 124	14	15
cis-1,2-Dichloroethene	3.0		25.0	31.2		ug/L		113	74 - 124	3	15
cis-1,3-Dichloropropene	ND		25.0	29.4		ug/L		118	74 - 124	1	15
Cyclohexane	ND		25.0	22.2		ug/L		89	59 - 135	14	20
Dichlorodifluoromethane	ND		25.0	21.7		ug/L		87	59 - 135	4	20
Ethylbenzene	ND	F1	25.0	28.7		ug/L		115	77 - 123	8	15
Isopropylbenzene	ND		25.0	28.7		ug/L		115	77 - 122	2	20
Methyl acetate	ND		125	143		ug/L		114	74 - 133	4	20
Methyl tert-butyl ether	ND	F1	25.0	29.7		ug/L		119	77 - 120	3	37
Methylcyclohexane	ND		25.0	21.3		ug/L		85	68 - 134	10	20
Methylene Chloride	ND		25.0	26.6		ug/L		106	75 - 124	6	15
Styrene	ND	F1	25.0	31.4	F1	ug/L		126	80 - 120	6	20
Tetrachloroethene	0.74	J	25.0	27.0		ug/L		105	74 - 122	10	20
Toluene	ND	F1	25.0	30.4		ug/L		122	80 - 122	6	15
trans-1,2-Dichloroethene	ND		25.0	26.2		ug/L		105	73 - 127	2	20
trans-1,3-Dichloropropene	ND	F1	25.0	30.9	F1	ug/L		124	80 - 120	2	15
Trichloroethene	3.0		25.0	29.4		ug/L		106	74 - 123	6	16
Trichlorofluoromethane	ND		25.0	26.1		ug/L		104	62 - 150	0	20
Vinyl chloride	ND		25.0	28.1		ug/L		112	65 - 133	9	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-377767/4
Matrix: Water
Analysis Batch: 377767

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			09/20/17 11:51	1
Sulfate	ND		2.0	0.35	mg/L			09/20/17 11:51	1

Lab Sample ID: LCS 480-377767/3
Matrix: Water
Analysis Batch: 377767

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	49.52		mg/L		99	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-377767/3
Matrix: Water
Analysis Batch: 377767

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	46.96		mg/L		94	90 - 110

Lab Sample ID: 480-124182-3 MS
Matrix: Water
Analysis Batch: 377767

Client Sample ID: MW 8S 091317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.5		100	111.6		mg/L		105	81 - 120
Sulfate	61.7		100	157.8		mg/L		96	80 - 120

Lab Sample ID: 480-124182-3 MSD
Matrix: Water
Analysis Batch: 377767

Client Sample ID: MW 8S 091317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.5		100	109.6		mg/L		103	81 - 120	2	20
Sulfate	61.7		100	155.3		mg/L		94	80 - 120	2	20

Lab Sample ID: MB 480-378076/4
Matrix: Water
Analysis Batch: 378076

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			09/21/17 17:48	1
Sulfate	ND		2.0	0.35	mg/L			09/21/17 17:48	1

Lab Sample ID: LCS 480-378076/3
Matrix: Water
Analysis Batch: 378076

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	50.98		mg/L		102	90 - 110
Sulfate	50.0	48.70		mg/L		97	90 - 110

Method: 310.2_ASP - Alkalinity - Colorimetric

Lab Sample ID: MB 480-377158/38
Matrix: Water
Analysis Batch: 377158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	7.26	J	10.0	4.0	mg/L			09/15/17 15:26	1

Lab Sample ID: MB 480-377158/56
Matrix: Water
Analysis Batch: 377158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	5.55	J	10.0	4.0	mg/L			09/15/17 15:37	1

Method: 310.2_ASP - Alkalinity - Colorimetric (Continued)

Lab Sample ID: MB 480-377158/67
Matrix: Water
Analysis Batch: 377158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	5.32	J	10.0	4.0	mg/L			09/15/17 15:41	1

Lab Sample ID: MB 480-377158/90
Matrix: Water
Analysis Batch: 377158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	6.41	J	10.0	4.0	mg/L			09/15/17 15:53	1

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-377050/3
Matrix: Water
Analysis Batch: 377050

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			09/15/17 10:52	1

Lab Sample ID: LCS 480-377050/4
Matrix: Water
Analysis Batch: 377050

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	1.53		mg/L		102	90 - 110

Lab Sample ID: 480-124182-3 MS
Matrix: Water
Analysis Batch: 377050

Client Sample ID: MW 8S 091317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	ND		1.00	1.05		mg/L		105	90 - 110

Lab Sample ID: 480-124182-3 MSD
Matrix: Water
Analysis Batch: 377050

Client Sample ID: MW 8S 091317
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		1.00	1.07		mg/L		107	90 - 110	2	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 490-461144/2
Matrix: Water
Analysis Batch: 461144

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			09/19/17 15:30	1

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: LCS 490-461144/3
Matrix: Water
Analysis Batch: 461144

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	0.940		mg/L		94	90 - 110		

Lab Sample ID: 480-124182-3 MS
Matrix: Water
Analysis Batch: 461144

Client Sample ID: MW 8S 091317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	ND	F1	1.00	1.74	F1	mg/L		174	70 - 130		

Lab Sample ID: 480-124182-3 MSD
Matrix: Water
Analysis Batch: 461144

Client Sample ID: MW 8S 091317
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	F1	1.00	1.76	F1	mg/L		176	70 - 130	1	50

Lab Sample ID: MB 490-461146/2
Matrix: Water
Analysis Batch: 461146

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			09/19/17 16:00	1

Lab Sample ID: LCS 490-461146/3
Matrix: Water
Analysis Batch: 461146

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	0.950		mg/L		95	90 - 110		

Lab Sample ID: 480-124182-9 MS
Matrix: Water
Analysis Batch: 461146

Client Sample ID: MW 5D 091417
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	0.070	J	1.00	1.04		mg/L		97	70 - 130		

Lab Sample ID: 480-124182-9 MSD
Matrix: Water
Analysis Batch: 461146

Client Sample ID: MW 5D 091417
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	0.070	J	1.00	1.04		mg/L		97	70 - 130	0	50

Method: SM 5310C - Organic Carbon, Dissolved (DOC)

Lab Sample ID: MB 480-377715/27
Matrix: Water
Analysis Batch: 377715

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	0.492	J	1.0	0.43	mg/L			09/19/17 16:33	1

Lab Sample ID: MB 480-377715/3
Matrix: Water
Analysis Batch: 377715

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	0.513	J	1.0	0.43	mg/L			09/19/17 10:32	1

Lab Sample ID: LCS 480-377715/28
Matrix: Water
Analysis Batch: 377715

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	60.61		mg/L		101	90 - 110		

Lab Sample ID: LCS 480-377715/4
Matrix: Water
Analysis Batch: 377715

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	60.76		mg/L		101	90 - 110		

Lab Sample ID: 480-124182-3 MS
Matrix: Water
Analysis Batch: 377715

Client Sample ID: MW 8S 091317
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Dissolved Organic Carbon - Duplicate	2.6	B	20.0	22.84		mg/L		101	54 - 131		

Lab Sample ID: 480-124182-3 MSD
Matrix: Water
Analysis Batch: 377715

Client Sample ID: MW 8S 091317
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	2.6	B	20.0	22.77		mg/L		101	54 - 131	0	20

GC/MS VOA

Analysis Batch: 377677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-1	MW 8D 091317	Total/NA	Water	8260C	
480-124182-2	MW 8DD 091317	Total/NA	Water	8260C	
480-124182-3	MW 8S 091317	Total/NA	Water	8260C	
480-124182-4	MW 7DD 091317	Total/NA	Water	8260C	
480-124182-5	MW 7D 091317	Total/NA	Water	8260C	
480-124182-6	MW 7S 091317	Total/NA	Water	8260C	
480-124182-7	MW 5S 091417	Total/NA	Water	8260C	
480-124182-8	MW 4S 091417	Total/NA	Water	8260C	
480-124182-9	MW 5D 091417	Total/NA	Water	8260C	
480-124182-10	MW 4D 091417	Total/NA	Water	8260C	
480-124182-12	MW 6S 091417	Total/NA	Water	8260C	
480-124182-13	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-377677/7	Method Blank	Total/NA	Water	8260C	
LCS 480-377677/5	Lab Control Sample	Total/NA	Water	8260C	
480-124182-3 MS	MW 8S 091317	Total/NA	Water	8260C	
480-124182-3 MSD	MW 8S 091317	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 377050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-3	MW 8S 091317	Total/NA	Water	353.2	
480-124182-5	MW 7D 091317	Total/NA	Water	353.2	
480-124182-6	MW 7S 091317	Total/NA	Water	353.2	
MB 480-377050/3	Method Blank	Total/NA	Water	353.2	
LCS 480-377050/4	Lab Control Sample	Total/NA	Water	353.2	
480-124182-3 MS	MW 8S 091317	Total/NA	Water	353.2	
480-124182-3 MSD	MW 8S 091317	Total/NA	Water	353.2	

Analysis Batch: 377080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-1	MW 8D 091317	Total/NA	Water	353.2	
480-124182-2	MW 8DD 091317	Total/NA	Water	353.2	
480-124182-4	MW 7DD 091317	Total/NA	Water	353.2	

Analysis Batch: 377081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-1	MW 8D 091317	Total/NA	Water	353.2	
480-124182-2	MW 8DD 091317	Total/NA	Water	353.2	
480-124182-3	MW 8S 091317	Total/NA	Water	353.2	
480-124182-4	MW 7DD 091317	Total/NA	Water	353.2	
480-124182-5	MW 7D 091317	Total/NA	Water	353.2	
480-124182-6	MW 7S 091317	Total/NA	Water	353.2	

Analysis Batch: 377158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-1	MW 8D 091317	Total/NA	Water	310.2_ASP	
480-124182-2	MW 8DD 091317	Total/NA	Water	310.2_ASP	
480-124182-3	MW 8S 091317	Total/NA	Water	310.2_ASP	
480-124182-4	MW 7DD 091317	Total/NA	Water	310.2_ASP	

General Chemistry (Continued)

Analysis Batch: 377158 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-5	MW 7D 091317	Total/NA	Water	310.2_ASP	
480-124182-6	MW 7S 091317	Total/NA	Water	310.2_ASP	
480-124182-7	MW 5S 091417	Total/NA	Water	310.2_ASP	
480-124182-8	MW 4S 091417	Total/NA	Water	310.2_ASP	
480-124182-9	MW 5D 091417	Total/NA	Water	310.2_ASP	
480-124182-10	MW 4D 091417	Total/NA	Water	310.2_ASP	
480-124182-12	MW 6S 091417	Total/NA	Water	310.2_ASP	
MB 480-377158/38	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-377158/56	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-377158/67	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-377158/90	Method Blank	Total/NA	Water	310.2_ASP	
LCS 480-377158/39	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-377158/57	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-377158/68	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-377158/91	Lab Control Sample	Total/NA	Water	310.2_ASP	
480-124182-3 MS	MW 8S 091317	Total/NA	Water	310.2_ASP	
480-124182-3 MSD	MW 8S 091317	Total/NA	Water	310.2_ASP	

Analysis Batch: 377167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-7	MW 5S 091417	Total/NA	Water	353.2	
480-124182-8	MW 4S 091417	Total/NA	Water	353.2	
480-124182-9	MW 5D 091417	Total/NA	Water	353.2	
480-124182-10	MW 4D 091417	Total/NA	Water	353.2	
480-124182-12	MW 6S 091417	Total/NA	Water	353.2	

Analysis Batch: 377168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-7	MW 5S 091417	Total/NA	Water	353.2	
480-124182-8	MW 4S 091417	Total/NA	Water	353.2	
480-124182-9	MW 5D 091417	Total/NA	Water	353.2	
480-124182-10	MW 4D 091417	Total/NA	Water	353.2	
480-124182-12	MW 6S 091417	Total/NA	Water	353.2	

Analysis Batch: 377715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-1	MW 8D 091317	Dissolved	Water	SM 5310C	
480-124182-2	MW 8DD 091317	Dissolved	Water	SM 5310C	
480-124182-3	MW 8S 091317	Dissolved	Water	SM 5310C	
480-124182-4	MW 7DD 091317	Dissolved	Water	SM 5310C	
480-124182-5	MW 7D 091317	Dissolved	Water	SM 5310C	
480-124182-6	MW 7S 091317	Dissolved	Water	SM 5310C	
480-124182-7	MW 5S 091417	Dissolved	Water	SM 5310C	
480-124182-8	MW 4S 091417	Dissolved	Water	SM 5310C	
480-124182-9	MW 5D 091417	Dissolved	Water	SM 5310C	
480-124182-10	MW 4D 091417	Dissolved	Water	SM 5310C	
480-124182-12	MW 6S 091417	Dissolved	Water	SM 5310C	
MB 480-377715/27	Method Blank	Dissolved	Water	SM 5310C	
MB 480-377715/3	Method Blank	Dissolved	Water	SM 5310C	
LCS 480-377715/28	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 480-377715/4	Lab Control Sample	Dissolved	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 377715 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-3 MS	MW 8S 091317	Dissolved	Water	SM 5310C	
480-124182-3 MSD	MW 8S 091317	Dissolved	Water	SM 5310C	

Analysis Batch: 377767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-1	MW 8D 091317	Total/NA	Water	300.0	
480-124182-2	MW 8DD 091317	Total/NA	Water	300.0	
480-124182-3	MW 8S 091317	Total/NA	Water	300.0	
480-124182-4	MW 7DD 091317	Total/NA	Water	300.0	
480-124182-5	MW 7D 091317	Total/NA	Water	300.0	
480-124182-6	MW 7S 091317	Total/NA	Water	300.0	
480-124182-7	MW 5S 091417	Total/NA	Water	300.0	
480-124182-8	MW 4S 091417	Total/NA	Water	300.0	
480-124182-9	MW 5D 091417	Total/NA	Water	300.0	
480-124182-10	MW 4D 091417	Total/NA	Water	300.0	
480-124182-12	MW 6S 091417	Total/NA	Water	300.0	
MB 480-377767/4	Method Blank	Total/NA	Water	300.0	
LCS 480-377767/3	Lab Control Sample	Total/NA	Water	300.0	
480-124182-3 MS	MW 8S 091317	Total/NA	Water	300.0	
480-124182-3 MSD	MW 8S 091317	Total/NA	Water	300.0	

Analysis Batch: 378076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-2	MW 8DD 091317	Total/NA	Water	300.0	
MB 480-378076/4	Method Blank	Total/NA	Water	300.0	
LCS 480-378076/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 461144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-1	MW 8D 091317	Total/NA	Water	SM 4500 S2 D	
480-124182-2	MW 8DD 091317	Total/NA	Water	SM 4500 S2 D	
480-124182-3	MW 8S 091317	Total/NA	Water	SM 4500 S2 D	
480-124182-4	MW 7DD 091317	Total/NA	Water	SM 4500 S2 D	
480-124182-5	MW 7D 091317	Total/NA	Water	SM 4500 S2 D	
480-124182-6	MW 7S 091317	Total/NA	Water	SM 4500 S2 D	
MB 490-461144/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-461144/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
480-124182-3 MS	MW 8S 091317	Total/NA	Water	SM 4500 S2 D	
480-124182-3 MSD	MW 8S 091317	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 461146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-124182-7	MW 5S 091417	Total/NA	Water	SM 4500 S2 D	
480-124182-8	MW 4S 091417	Total/NA	Water	SM 4500 S2 D	
480-124182-9	MW 5D 091417	Total/NA	Water	SM 4500 S2 D	
480-124182-10	MW 4D 091417	Total/NA	Water	SM 4500 S2 D	
480-124182-12	MW 6S 091417	Total/NA	Water	SM 4500 S2 D	
MB 490-461146/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-461146/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
480-124182-9 MS	MW 5D 091417	Total/NA	Water	SM 4500 S2 D	
480-124182-9 MSD	MW 5D 091417	Total/NA	Water	SM 4500 S2 D	

Lab Chronicle

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

TestAmerica Job ID: 480-124182-1

Client Sample ID: MW 8D 091317

Lab Sample ID: 480-124182-1

Date Collected: 09/13/17 09:05

Matrix: Water

Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 00:04	RJF	TAL BUF
Total/NA	Analysis	300.0		10	377767	09/20/17 12:15	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	377158	09/15/17 15:28	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377080	09/15/17 10:12	KRT	TAL BUF
Total/NA	Analysis	353.2		1	377081	09/15/17 10:12	KRT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 12:02	EKB	TAL BUF

Client Sample ID: MW 8DD 091317

Lab Sample ID: 480-124182-2

Date Collected: 09/13/17 09:17

Matrix: Water

Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 00:31	RJF	TAL BUF
Total/NA	Analysis	300.0		10	377767	09/20/17 12:23	RJS	TAL BUF
Total/NA	Analysis	300.0		20	378076	09/21/17 19:18	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		3	377158	09/15/17 15:28	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377080	09/15/17 10:13	KRT	TAL BUF
Total/NA	Analysis	353.2		1	377081	09/15/17 10:13	KRT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 12:17	EKB	TAL BUF

Client Sample ID: MW 8S 091317

Lab Sample ID: 480-124182-3

Date Collected: 09/13/17 11:05

Matrix: Water

Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 00:59	RJF	TAL BUF
Total/NA	Analysis	300.0		2	377767	09/20/17 12:39	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		3	377158	09/15/17 15:48	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377081	09/15/17 10:54	KRT	TAL BUF
Total/NA	Analysis	353.2		1	377050	09/15/17 10:54	KRT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 19:49	EKB	TAL BUF

Client Sample ID: MW 7DD 091317

Lab Sample ID: 480-124182-4
Matrix: Water
Date Collected: 09/13/17 11:08
Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 01:26	RJF	TAL BUF
Total/NA	Analysis	300.0		5	377767	09/20/17 12:31	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		3	377158	09/15/17 15:28	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377080	09/15/17 10:14	KRT	TAL BUF
Total/NA	Analysis	353.2		1	377081	09/15/17 10:14	KRT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 12:32	EKB	TAL BUF

Client Sample ID: MW 7D 091317

Lab Sample ID: 480-124182-5
Matrix: Water
Date Collected: 09/13/17 13:20
Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 01:54	RJF	TAL BUF
Total/NA	Analysis	300.0		2	377767	09/20/17 13:20	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		3	377158	09/15/17 15:28	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377050	09/15/17 10:57	KRT	TAL BUF
Total/NA	Analysis	353.2		1	377081	09/15/17 10:57	KRT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 12:47	EKB	TAL BUF

Client Sample ID: MW 7S 091317

Lab Sample ID: 480-124182-6
Matrix: Water
Date Collected: 09/13/17 13:25
Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 02:21	RJF	TAL BUF
Total/NA	Analysis	300.0		2	377767	09/20/17 13:28	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		3	377158	09/15/17 15:28	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377050	09/15/17 10:58	KRT	TAL BUF
Total/NA	Analysis	353.2		1	377081	09/15/17 10:58	KRT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461144	09/19/17 15:30	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 13:31	EKB	TAL BUF

Client Sample ID: MW 5S 091417

Lab Sample ID: 480-124182-7
Matrix: Water
Date Collected: 09/14/17 07:15
Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 02:48	RJF	TAL BUF
Total/NA	Analysis	300.0		5	377767	09/20/17 13:36	RJS	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-124182-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	310.2_ASP		5	377158	09/15/17 16:00	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377167	09/15/17 17:27	DCB	TAL BUF
Total/NA	Analysis	353.2		1	377168	09/15/17 17:27	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461146	09/19/17 16:00	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 13:46	EKB	TAL BUF

Client Sample ID: MW 4S 091417

Lab Sample ID: 480-124182-8

Date Collected: 09/14/17 07:40

Matrix: Water

Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 03:16	RJF	TAL BUF
Total/NA	Analysis	300.0		5	377767	09/20/17 13:45	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		5	377158	09/15/17 16:00	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377167	09/15/17 17:28	DCB	TAL BUF
Total/NA	Analysis	353.2		1	377168	09/15/17 17:28	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461146	09/19/17 16:00	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 14:02	EKB	TAL BUF

Client Sample ID: MW 5D 091417

Lab Sample ID: 480-124182-9

Date Collected: 09/14/17 09:05

Matrix: Water

Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 03:43	RJF	TAL BUF
Total/NA	Analysis	300.0		5	377767	09/20/17 13:53	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	377158	09/15/17 15:41	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377167	09/15/17 17:37	DCB	TAL BUF
Total/NA	Analysis	353.2		1	377168	09/15/17 17:37	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461146	09/19/17 16:00	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 14:17	EKB	TAL BUF

Client Sample ID: MW 4D 091417

Lab Sample ID: 480-124182-10

Date Collected: 09/14/17 09:54

Matrix: Water

Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 04:11	RJF	TAL BUF
Total/NA	Analysis	300.0		5	377767	09/20/17 14:01	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	377158	09/15/17 15:41	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377167	09/15/17 17:38	DCB	TAL BUF
Total/NA	Analysis	353.2		1	377168	09/15/17 17:38	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461146	09/19/17 16:00	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 14:32	EKB	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-124182-1

Client Sample ID: MW 6S 091417

Lab Sample ID: 480-124182-12

Date Collected: 09/14/17 10:10

Matrix: Water

Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 04:38	RJF	TAL BUF
Total/NA	Analysis	300.0		5	377767	09/20/17 14:09	RJS	TAL BUF
Total/NA	Analysis	310.2_ASP		4	377158	09/15/17 15:48	ALZ	TAL BUF
Total/NA	Analysis	353.2		1	377167	09/15/17 17:39	DCB	TAL BUF
Total/NA	Analysis	353.2		1	377168	09/15/17 17:39	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	461146	09/19/17 16:00	GRM	TAL NSH
Dissolved	Analysis	SM 5310C		1	377715	09/19/17 14:48	EKB	TAL BUF

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-124182-13

Date Collected: 09/14/17 00:00

Matrix: Water

Date Received: 09/14/17 12:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	377677	09/20/17 05:06	RJF	TAL BUF

Laboratory References:

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

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-124182-1

Laboratory: 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	03-31-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
SM 5310C		Water	Dissolved Organic Carbon - Duplicate

Laboratory: 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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-124182-1

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	Nitrogen, Nitrite	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL NSH
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	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 = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = 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

TestAmerica Job ID: 480-124182-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-124182-1	MW 8D 091317	Water	09/13/17 09:05	09/14/17 12:38
480-124182-2	MW 8DD 091317	Water	09/13/17 09:17	09/14/17 12:38
480-124182-3	MW 8S 091317	Water	09/13/17 11:05	09/14/17 12:38
480-124182-4	MW 7DD 091317	Water	09/13/17 11:08	09/14/17 12:38
480-124182-5	MW 7D 091317	Water	09/13/17 13:20	09/14/17 12:38
480-124182-6	MW 7S 091317	Water	09/13/17 13:25	09/14/17 12:38
480-124182-7	MW 5S 091417	Water	09/14/17 07:15	09/14/17 12:38
480-124182-8	MW 4S 091417	Water	09/14/17 07:40	09/14/17 12:38
480-124182-9	MW 5D 091417	Water	09/14/17 09:05	09/14/17 12:38
480-124182-10	MW 4D 091417	Water	09/14/17 09:54	09/14/17 12:38
480-124182-12	MW 6S 091417	Water	09/14/17 10:10	09/14/17 12:38
480-124182-13	QC TRIP BLANK	Water	09/14/17 00:00	09/14/17 12:38

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
TestAmerica Job ID: 480-124182-1
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	Matrix	Analyte	Units	Client RL	Lab PQL
8260C	Water	Methyl acetate	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 Kolanek	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-101979-22905.1
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 Monitoring	Project #: 48002808			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HC
B - Na
C - Zn
D - Nit
E - Na
F - Me
G - Am
H - Asc
I - Ice
J - DI Wa...
K - EDTA
L - EDA
480-124182 COC
ahydrate
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									Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	A	N	CB										
MW 8D 091317	9-13-17	9:05	G	Water			3	1	2	2	1	1										
MW 8DD 091317	9-13-17	9:17	G	Water			3	1	2	2	1	1										
MW 8S 091317	9-13-17	11:05	G	Water			3	1	2	2	1	1										
MW 8S MS 091317	9-13-17	11:05	G	Water			3	1	2	2	1	1										
MW 8S MSD 091317	9-13-17	11:05	G	Water			3	1	2	2	1	1										
MW 7DD 091317	9-13-17	11:08	G	Water			3	1	2	2	1	1										
MW 7D 091317	9-13-17	13:20	G	Water			3	1	2	2	1	1										
MW 7S 091317	9-13-17	13:25	G	Water			3	1	2	2	1	1										
MW 5S 091417	9-14-17	7:15	G	Water			3	1	2	2	1	1										
MW 4S 091417	9-14-17	7:40	G	Water			3	1	2	2	1	1										
MW 5D 091417	9-14-17	9:05	G	Water			3	1	2	2	1	1										

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 Kolanek	9-14-17 11:55	OBG		9/14/17 1155	OBG
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9/14/17 1238	OBG		9-14-17 1238	TAD
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: 2.1 2.4 #1

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 Kownacki	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-96124-22905.2
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 #: 11511119			
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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	A	N	CB		
MW 4D 091417	9-14-17	954	G	Water			3	1	2	2	1	1		
MW 6S 091417	9-14-17	10:10	G	Water			3	1	2	2	1	1		
QC TRIP BLANK				Water			2	[illegible]						
				Water										
				Water										
				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 Kownacki	9-14-17 1155	OBG	Andrew Jo OBG	9/14/17 1155	OBG
Relinquished by: Andrew Jo	Date/Time: 9/14/17 1238	Company OBG	Received by: [signature]	Date/Time: 9-14-17 1238	Company TAB
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:

9/26/2017

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

480-124182 Chain of Custody

Cooler Received/Opened On 9/16/17 0935

Time Samples Removed From Cooler 17:51 Time Samples Placed In Storage 18:01 (2 Hour Window)

1. Tracking # 9538 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 31470368 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) KLG

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) AD

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) KD

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) KD

I certify that I attached a label with the unique LIMS number to each container (intial) KD

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Johnson, Orlette S	COC No: 480-37249.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.c...	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York	Job #: 480-124182-1
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 9/26/2017		
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/ Total Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW 8D 091317 (480-124182-1)	9/13/17	09:05 Eastern		Water			X	1	
MW 8DD 091317 (480-124182-2)	9/13/17	09:17 Eastern		Water			X	1	
MW 8S 091317 (480-124182-3)	9/13/17	11:05 Eastern		Water			X	1	Loc: 480 124182
MW 8S 091317 (480-124182-3MS)	9/13/17	11:05 Eastern	MS	Water			X	1	
MW 8S 091317 (480-124182-3MSD)	9/13/17	11:05 Eastern	MSD	Water			X	1	
MW 7DD 091317 (480-124182-4)	9/13/17	11:08 Eastern		Water			X	1	
MW 7D 091317 (480-124182-5)	9/13/17	13:20 Eastern		Water			X	1	
MW 7S 091317 (480-124182-6)	9/13/17	13:25 Eastern		Water			X	1	
MW 5S 091317 (480-124182-7)	9/14/17	07:15 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: [signature]	Date/Time: 9/15/17 1600	Company TAB	Received by: [signature]	Date/Time: 09-16-2017 09:35	Company TAN
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

9/26/2017

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 (Sub Contract Lab)	Sampler:	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-37249.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com	State of Origin: New York	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York		Job #: 480-124182-1
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 9/26/2017			
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/ Total Sulfide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW 4S 091317 (480-124182-8)	9/14/17	07:40 Eastern		Water			X	1	
MW 5D 091317 (480-124182-9)	9/14/17	09:05 Eastern		Water			X	1	
MW 4D 091317 (480-124182-10)	9/14/17	09:54 Eastern		Water			X	1	
MW 6S 091317 (480-124182-12)	9/14/17	10:10 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. I

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ 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:	Company	Received by:	Date/Time:	Company
1	[signature]	9/15/17 1600	TAS	[signature]	09-16-2017 09:35	TAN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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

9/26/2017

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-124182-1

Login Number: 124182
List Number: 1
Creator: Conway, Curtis R

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.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-124182-1

Login Number: 124182
List Number: 2
Creator: Dawson, Keith M

List Source: TestAmerica Nashville
List Creation: 09/16/17 06:01 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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 containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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: 480-129276-1
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:
12/30/2017 1:38:38 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-129276-1

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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds 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: 480-129276-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-129276-1

Receipt
The samples were received on 12/20/2017 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.1º C and 3.3º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-393403 recovered outside acceptance criteria, low biased, for 1,1,2,2-Tetrachloroethane, 2-Hexanone and 4-Methyl-2-pentanone (MIBK). 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 1S 121917 (480-129276-1) and MW 1D 121917 (480-129276-2).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-393428 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 samples are impacted: MW 7D 122017 (480-129276-3), MW 8DD 122017 (480-129276-4), MW 7S 122017 (480-129276-5), MW 8S 122017 (480-129276-6), X-1 122017 (480-129276-7), MW 8D 122017 (480-129276-8), MW 7DD-2 122017 (480-129276-11), MW 6D 122017 (480-129276-12), MW 6DD 122017 (480-129276-13), MW 6S 122017 (480-129276-14) and QC TRIP BLANK (480-129276-15).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-393428 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 7D 122017 (480-129276-3), MW 8DD 122017 (480-129276-4), MW 7S 122017 (480-129276-5), MW 8S 122017 (480-129276-6), X-1 122017 (480-129276-7), MW 8D 122017 (480-129276-8), MW 7DD-2 122017 (480-129276-11), MW 6D 122017 (480-129276-12), MW 6DD 122017 (480-129276-13), MW 6S 122017 (480-129276-14) and QC TRIP BLANK (480-129276-15).

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

TestAmerica Job ID: 480-129276-1

Client Sample ID: MW 1S 121917 — Lab Sample ID: 480-129276-1

No Detections.

Client Sample ID: MW 1D 121917 — Lab Sample ID: 480-129276-2

No Detections.

Client Sample ID: MW 7D 122017 — Lab Sample ID: 480-129276-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.36	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.1		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW 8DD 122017 — Lab Sample ID: 480-129276-4

No Detections.

Client Sample ID: MW 7S 122017 — Lab Sample ID: 480-129276-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.1		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW 8S 122017 — Lab Sample ID: 480-129276-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.86	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	3.3		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: X-1 122017 — Lab Sample ID: 480-129276-7

No Detections.

Client Sample ID: MW 8D 122017 — Lab Sample ID: 480-129276-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.89	J F1	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 7DD-2 122017 — Lab Sample ID: 480-129276-11

No Detections.

Client Sample ID: MW 6D 122017 — Lab Sample ID: 480-129276-12

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
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW 6DD 122017 — Lab Sample ID: 480-129276-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	17		1.0	0.81	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

TestAmerica Job ID: 480-129276-1

Client Sample ID: MW 6S 122017 — Lab Sample ID: 480-129276-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.7		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-129276-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW 1S 121917

Date Collected: 12/19/17 16:23
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129276-1

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			12/23/17 02:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 02:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 02:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 02:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 02:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 02:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 02:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 02:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 02:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 02:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 02:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 02:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 02:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 02:57	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 02:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 02:57	1
Acetone	ND		10	3.0	ug/L			12/23/17 02:57	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 02:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 02:57	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 02:57	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 02:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 02:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 02:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 02:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 02:57	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 02:57	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 02:57	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 02:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 02:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 02:57	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 02:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 02:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 02:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 02:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 02:57	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 02:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 02:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 02:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 02:57	1
Styrene	ND		1.0	0.73	ug/L			12/23/17 02:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 02:57	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 02:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 02:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 02:57	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/17 02:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 02:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 02:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 02:57	1

Client Sample ID: MW 1S 121917

Lab Sample ID: 480-129276-1

Date Collected: 12/19/17 16:23

Matrix: Water

Date Received: 12/20/17 17:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*88*		*80 - 120*		*12/23/17 02:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*12/23/17 02:57*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/23/17 02:57*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*12/23/17 02:57*	*1*

Client Sample ID: MW 1D 121917

Lab Sample ID: 480-129276-2

Date Collected: 12/19/17 16:25

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 03:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 03:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 03:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 03:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 03:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 03:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 03:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 03:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 03:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 03:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 03:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 03:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 03:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 03:21	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 03:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 03:21	1
Acetone	ND		10	3.0	ug/L			12/23/17 03:21	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 03:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 03:21	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 03:21	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 03:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 03:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 03:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 03:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 03:21	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 03:21	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 03:21	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 03:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 03:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 03:21	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 03:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 03:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 03:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 03:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 03:21	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 03:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 03:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 03:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 03:21	1

Client Sample ID: MW 1D 121917

Date Collected: 12/19/17 16:25
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129276-2

Matrix: Water

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			12/23/17 03:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 03:21	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 03:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 03:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 03:21	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/17 03:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 03:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 03:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*12/23/17 03:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*12/23/17 03:21*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/23/17 03:21*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*12/23/17 03:21*	*1*

Client Sample ID: MW 7D 122017

Date Collected: 12/20/17 10:40
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129276-3

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			12/23/17 11:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 11:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 11:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 11:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 11:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 11:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 11:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 11:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 11:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 11:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 11:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 11:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 11:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 11:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 11:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 11:35	1
Acetone	ND		10	3.0	ug/L			12/23/17 11:35	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 11:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 11:35	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 11:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 11:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 11:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 11:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 11:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 11:35	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 11:35	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 11:35	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 11:35	1

Client Sample ID: MW 7D 122017

Lab Sample ID: 480-129276-3

Date Collected: 12/20/17 10:40

Matrix: Water

Date Received: 12/20/17 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 11:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 11:35	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 11:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 11:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 11:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 11:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 11:35	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 11:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 11:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 11:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 11:35	1
Styrene	ND		1.0	0.73	ug/L			12/23/17 11:35	1
Tetrachloroethene	**0.36**	**J**	1.0	0.36	ug/L			12/23/17 11:35	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 11:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 11:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 11:35	1
Trichloroethene	**1.1**		1.0	0.46	ug/L			12/23/17 11:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 11:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 11:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*12/23/17 11:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*12/23/17 11:35*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/23/17 11:35*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/23/17 11:35*	*1*

Client Sample ID: MW 8DD 122017

Lab Sample ID: 480-129276-4

Date Collected: 12/20/17 10:42

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 11:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 11:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 11:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 11:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 11:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 11:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 11:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 11:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 11:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 11:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 11:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 11:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 11:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 11:59	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 11:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 11:59	1
Acetone	ND		10	3.0	ug/L			12/23/17 11:59	1

Client Sample ID: MW 8DD 122017

Lab Sample ID: 480-129276-4

Date Collected: 12/20/17 10:42

Matrix: Water

Date Received: 12/20/17 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/23/17 11:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 11:59	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 11:59	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 11:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 11:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 11:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 11:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 11:59	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 11:59	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 11:59	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 11:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 11:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 11:59	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 11:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 11:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 11:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 11:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 11:59	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 11:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 11:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 11:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 11:59	1
Styrene	ND		1.0	0.73	ug/L			12/23/17 11:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 11:59	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 11:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 11:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 11:59	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/17 11:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 11:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 11:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*12/23/17 11:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/23/17 11:59*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/23/17 11:59*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/23/17 11:59*	*1*

Client Sample ID: MW 7S 122017

Lab Sample ID: 480-129276-5

Date Collected: 12/20/17 11:50

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 12:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 12:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 12:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 12:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 12:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 12:23	1

Client Sample ID: MW 7S 122017
Date Collected: 12/20/17 11:50
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129276-5
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			12/23/17 12:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 12:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 12:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 12:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 12:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 12:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 12:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 12:23	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 12:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 12:23	1
Acetone	ND		10	3.0	ug/L			12/23/17 12:23	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 12:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 12:23	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 12:23	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 12:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 12:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 12:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 12:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 12:23	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 12:23	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 12:23	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 12:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 12:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 12:23	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 12:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 12:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 12:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 12:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 12:23	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 12:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 12:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 12:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 12:23	1
Styrene	ND		1.0	0.73	ug/L			12/23/17 12:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 12:23	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 12:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 12:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 12:23	1
Trichloroethene	**1.1**		1.0	0.46	ug/L			12/23/17 12:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 12:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 12:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/23/17 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*12/23/17 12:23*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/23/17 12:23*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/23/17 12:23*	*1*

Client Sample ID: MW 8S 122017

Date Collected: 12/20/17 11:58
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129276-6

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			12/23/17 12:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 12:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 12:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 12:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 12:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 12:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 12:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 12:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 12:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 12:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 12:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 12:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 12:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 12:47	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 12:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 12:47	1
Acetone	ND		10	3.0	ug/L			12/23/17 12:47	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 12:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 12:47	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 12:47	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 12:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 12:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 12:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 12:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 12:47	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 12:47	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 12:47	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 12:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 12:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 12:47	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 12:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 12:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 12:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 12:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 12:47	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 12:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 12:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 12:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 12:47	1
Styrene	ND		1.0	0.73	ug/L			12/23/17 12:47	1
Tetrachloroethene	**0.86**	**J**	1.0	0.36	ug/L			12/23/17 12:47	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 12:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 12:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 12:47	1
Trichloroethene	**3.3**		1.0	0.46	ug/L			12/23/17 12:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 12:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 12:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 12:47	1

Client Sample ID: MW 8S 122017

Lab Sample ID: 480-129276-6

Date Collected: 12/20/17 11:58

Matrix: Water

Date Received: 12/20/17 17:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*91*		*80 - 120*		*12/23/17 12:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/23/17 12:47*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/23/17 12:47*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*12/23/17 12:47*	*1*

Client Sample ID: X-1 122017

Lab Sample ID: 480-129276-7

Date Collected: 12/20/17 00:00

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 13:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 13:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 13:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 13:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 13:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 13:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 13:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 13:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 13:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 13:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 13:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 13:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 13:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 13:11	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 13:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 13:11	1
Acetone	ND		10	3.0	ug/L			12/23/17 13:11	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 13:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 13:11	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 13:11	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 13:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 13:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 13:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 13:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 13:11	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 13:11	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 13:11	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 13:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 13:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 13:11	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 13:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 13:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 13:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 13:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 13:11	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 13:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 13:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 13:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 13:11	1

Client Sample ID: X-1 122017

Lab Sample ID: 480-129276-7

Date Collected: 12/20/17 00:00

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 13:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 13:11	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 13:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 13:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 13:11	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/17 13:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 13:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 13:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/23/17 13:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*12/23/17 13:11*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*12/23/17 13:11*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*12/23/17 13:11*	*1*

Client Sample ID: MW 8D 122017

Lab Sample ID: 480-129276-8

Date Collected: 12/20/17 13:00

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 13:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 13:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 13:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 13:35	1
1,1-Dichloroethane	**0.89**	**J F1**	1.0	0.38	ug/L			12/23/17 13:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 13:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 13:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 13:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 13:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 13:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 13:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 13:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 13:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 13:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 13:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 13:35	1
Acetone	ND	F2	10	3.0	ug/L			12/23/17 13:35	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 13:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 13:35	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 13:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 13:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 13:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 13:35	1
Chlorobenzene	ND	F1	1.0	0.75	ug/L			12/23/17 13:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 13:35	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 13:35	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 13:35	1
Chloromethane	ND	F1	1.0	0.35	ug/L			12/23/17 13:35	1

Client Sample ID: MW 8D 122017

Lab Sample ID: 480-129276-8

Date Collected: 12/20/17 13:00

Matrix: Water

Date Received: 12/20/17 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 13:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 13:35	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 13:35	1
Dichlorodifluoromethane	ND	F1	1.0	0.68	ug/L			12/23/17 13:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 13:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 13:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 13:35	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 13:35	1
Methyl tert-butyl ether	**0.30**	**J**	1.0	0.16	ug/L			12/23/17 13:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 13:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 13:35	1
Styrene	ND	F1	1.0	0.73	ug/L			12/23/17 13:35	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			12/23/17 13:35	1
Toluene	ND	F1	1.0	0.51	ug/L			12/23/17 13:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 13:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 13:35	1
Trichloroethene	ND	F1	1.0	0.46	ug/L			12/23/17 13:35	1
Trichlorofluoromethane	ND	F2	1.0	0.88	ug/L			12/23/17 13:35	1
Vinyl chloride	ND	F1	1.0	0.90	ug/L			12/23/17 13:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/23/17 13:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*12/23/17 13:35*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*12/23/17 13:35*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*12/23/17 13:35*	*1*

Client Sample ID: MW 7DD-2 122017

Lab Sample ID: 480-129276-11

Date Collected: 12/20/17 13:55

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 14:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 14:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 14:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 14:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 14:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 14:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 14:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 14:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 14:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 14:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 14:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 14:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 14:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 14:46	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 14:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 14:46	1
Acetone	ND		10	3.0	ug/L			12/23/17 14:46	1

Client Sample ID: MW 7DD-2 122017

Lab Sample ID: 480-129276-11

Date Collected: 12/20/17 13:55

Matrix: Water

Date Received: 12/20/17 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/23/17 14:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 14:46	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 14:46	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 14:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 14:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 14:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 14:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 14:46	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 14:46	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 14:46	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 14:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 14:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 14:46	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 14:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 14:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 14:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 14:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 14:46	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 14:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 14:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 14:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 14:46	1
Styrene	ND		1.0	0.73	ug/L			12/23/17 14:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 14:46	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 14:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 14:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 14:46	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/17 14:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 14:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 14:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*12/23/17 14:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*12/23/17 14:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/23/17 14:46*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/23/17 14:46*	*1*

Client Sample ID: MW 6D 122017

Lab Sample ID: 480-129276-12

Date Collected: 12/20/17 15:10

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 15:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 15:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 15:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 15:10	1
1,1-Dichloroethane	**0.56**	**J**	1.0	0.38	ug/L			12/23/17 15:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 15:10	1

Client Sample ID: MW 6D 122017
Date Collected: 12/20/17 15:10
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129276-12
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			12/23/17 15:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 15:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 15:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 15:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 15:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 15:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 15:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 15:10	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 15:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 15:10	1
Acetone	ND		10	3.0	ug/L			12/23/17 15:10	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 15:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 15:10	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 15:10	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 15:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 15:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 15:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 15:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 15:10	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 15:10	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 15:10	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 15:10	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.81	ug/L			12/23/17 15:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 15:10	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 15:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 15:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 15:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 15:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 15:10	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 15:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 15:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 15:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 15:10	1
Styrene	ND		1.0	0.73	ug/L			12/23/17 15:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 15:10	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 15:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 15:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 15:10	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/17 15:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 15:10	1
Vinyl chloride	**1.3**		1.0	0.90	ug/L			12/23/17 15:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*12/23/17 15:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*12/23/17 15:10*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/23/17 15:10*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*12/23/17 15:10*	*1*

Client Sample ID: MW 6DD 122017

Date Collected: 12/20/17 15:45
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129276-13

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			12/23/17 15:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 15:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 15:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 15:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 15:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 15:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 15:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 15:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 15:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 15:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 15:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 15:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 15:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 15:34	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 15:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 15:34	1
Acetone	ND		10	3.0	ug/L			12/23/17 15:34	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 15:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 15:34	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 15:34	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 15:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 15:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 15:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 15:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 15:34	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 15:34	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 15:34	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 15:34	1
cis-1,2-Dichloroethene	**17**		1.0	0.81	ug/L			12/23/17 15:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 15:34	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 15:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 15:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 15:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 15:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 15:34	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 15:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 15:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 15:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 15:34	1
Styrene	ND		1.0	0.73	ug/L			12/23/17 15:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 15:34	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 15:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 15:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 15:34	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/17 15:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 15:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 15:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 15:34	1

Client Sample ID: MW 6DD 122017

Lab Sample ID: 480-129276-13

Date Collected: 12/20/17 15:45

Matrix: Water

Date Received: 12/20/17 17:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/23/17 15:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*12/23/17 15:34*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/23/17 15:34*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*12/23/17 15:34*	*1*

Client Sample ID: MW 6S 122017

Lab Sample ID: 480-129276-14

Date Collected: 12/20/17 16:20

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 15:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 15:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 15:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 15:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 15:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 15:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 15:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 15:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 15:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 15:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 15:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 15:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 15:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 15:58	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 15:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 15:58	1
Acetone	ND		10	3.0	ug/L			12/23/17 15:58	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 15:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 15:58	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 15:58	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 15:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 15:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 15:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 15:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 15:58	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 15:58	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 15:58	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 15:58	1
cis-1,2-Dichloroethene	**4.7**		1.0	0.81	ug/L			12/23/17 15:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 15:58	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 15:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 15:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 15:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 15:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 15:58	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 15:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 15:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 15:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 15:58	1

Client Sample ID: MW 6S 122017

Lab Sample ID: 480-129276-14

Date Collected: 12/20/17 16:20

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 15:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 15:58	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 15:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 15:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 15:58	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/17 15:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 15:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 15:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/23/17 15:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*12/23/17 15:58*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*12/23/17 15:58*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/23/17 15:58*	*1*

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-129276-15

Date Collected: 12/20/17 00:00

Matrix: Water

Date Received: 12/20/17 17:30

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			12/23/17 16:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 16:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 16:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 16:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 16:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 16:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 16:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 16:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 16:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 16:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 16:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 16:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 16:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 16:22	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 16:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 16:22	1
Acetone	ND		10	3.0	ug/L			12/23/17 16:22	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 16:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 16:22	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 16:22	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 16:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 16:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 16:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 16:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 16:22	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 16:22	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 16:22	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 16:22	1

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

TestAmerica Job ID: 480-129276-1

Client Sample ID: QC TRIP BLANK
Date Collected: 12/20/17 00:00
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129276-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 16:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 16:22	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 16:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 16:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 16:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 16:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 16:22	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 16:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 16:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 16:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 16:22	1
Styrene	ND		1.0	0.73	ug/L			12/23/17 16:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 16:22	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 16:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 16:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 16:22	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/17 16:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 16:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 16:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/23/17 16:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*12/23/17 16:22*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*12/23/17 16:22*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*12/23/17 16:22*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-129276-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-129276-1	MW 1S 121917	88	106	104	107
480-129276-2	MW 1D 121917	93	104	105	104
480-129276-3	MW 7D 122017	92	108	105	105
480-129276-4	MW 8DD 122017	96	102	106	102
480-129276-5	MW 7S 122017	95	111	100	105
480-129276-6	MW 8S 122017	91	103	105	107
480-129276-7	X-1 122017	94	107	110	104
480-129276-8	MW 8D 122017	94	109	110	110
480-129276-8 MS	MW 8D 122017	102	95	102	102
480-129276-8 MSD	MW 8D 122017	100	94	100	101
480-129276-11	MW 7DD-2 122017	90	104	100	103
480-129276-12	MW 6D 122017	91	105	105	107
480-129276-13	MW 6DD 122017	94	110	102	110
480-129276-14	MW 6S 122017	94	110	107	105
480-129276-15	QC TRIP BLANK	94	111	108	108
LCS 480-393403/5	Lab Control Sample	94	107	103	111
LCS 480-393428/5	Lab Control Sample	95	101	107	103
LCS 480-393632/4	Lab Control Sample	103	91	104	100
MB 480-393403/7	Method Blank	97	100	106	105
MB 480-393428/7	Method Blank	92	100	104	97
MB 480-393632/6	Method Blank	98	99	95	103

Surrogate Legend

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

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

Lab Sample ID: MB 480-393403/7
Matrix: Water
Analysis Batch: 393403

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			12/22/17 21:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/22/17 21:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/22/17 21:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/22/17 21:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/22/17 21:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/22/17 21:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/22/17 21:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/22/17 21:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/22/17 21:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/22/17 21:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/22/17 21:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/22/17 21:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/22/17 21:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/22/17 21:34	1
2-Hexanone	ND		5.0	1.2	ug/L			12/22/17 21:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/22/17 21:34	1
Acetone	ND		10	3.0	ug/L			12/22/17 21:34	1
Benzene	ND		1.0	0.41	ug/L			12/22/17 21:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/22/17 21:34	1
Bromoform	ND		1.0	0.26	ug/L			12/22/17 21:34	1
Bromomethane	ND		1.0	0.69	ug/L			12/22/17 21:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/22/17 21:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/22/17 21:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/22/17 21:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/22/17 21:34	1
Chloroethane	ND		1.0	0.32	ug/L			12/22/17 21:34	1
Chloroform	ND		1.0	0.34	ug/L			12/22/17 21:34	1
Chloromethane	ND		1.0	0.35	ug/L			12/22/17 21:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/22/17 21:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/22/17 21:34	1
Cyclohexane	ND		1.0	0.18	ug/L			12/22/17 21:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/22/17 21:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/22/17 21:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/22/17 21:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/22/17 21:34	1
Methyl acetate	ND		2.5	1.3	ug/L			12/22/17 21:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/22/17 21:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/22/17 21:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/22/17 21:34	1
Styrene	ND		1.0	0.73	ug/L			12/22/17 21:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/22/17 21:34	1
Toluene	ND		1.0	0.51	ug/L			12/22/17 21:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/22/17 21:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/22/17 21:34	1
Trichloroethene	ND		1.0	0.46	ug/L			12/22/17 21:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/22/17 21:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/22/17 21:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/22/17 21:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		12/22/17 21:34	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/22/17 21:34	1
4-Bromofluorobenzene (Surr)	106		73 - 120		12/22/17 21:34	1
Dibromofluoromethane (Surr)	105		75 - 123		12/22/17 21:34	1

Lab Sample ID: LCS 480-393403/5
Matrix: Water
Analysis Batch: 393403

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	19.3		ug/L		77	76 - 120
1,1,2-Trichloroethane	25.0	21.5		ug/L		86	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.9		ug/L		112	61 - 148
1,1-Dichloroethane	25.0	23.5		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	23.9		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	23.0		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.2		ug/L		85	56 - 134
1,2-Dichlorobenzene	25.0	22.0		ug/L		88	80 - 124
1,2-Dichloroethane	25.0	26.4		ug/L		105	75 - 120
1,2-Dichloropropane	25.0	22.3		ug/L		89	76 - 120
1,3-Dichlorobenzene	25.0	22.8		ug/L		91	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Butanone (MEK)	125	113		ug/L		90	57 - 140
2-Hexanone	125	99.2		ug/L		79	65 - 127
4-Methyl-2-pentanone (MIBK)	125	94.9		ug/L		76	71 - 125
Acetone	125	138		ug/L		110	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	23.0		ug/L		92	61 - 132
Bromomethane	25.0	24.9		ug/L		99	55 - 144
Carbon disulfide	25.0	23.8		ug/L		95	59 - 134
Carbon tetrachloride	25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	25.0	22.7		ug/L		91	80 - 120
Dibromochloromethane	25.0	22.9		ug/L		92	75 - 125
Chloroethane	25.0	21.9		ug/L		88	69 - 136
Chloroform	25.0	25.1		ug/L		100	73 - 127
Chloromethane	25.0	20.2		ug/L		81	68 - 124
cis-1,2-Dichloroethene	25.0	26.1		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	23.8		ug/L		95	74 - 124
Cyclohexane	25.0	22.1		ug/L		89	59 - 135
Dichlorodifluoromethane	25.0	23.6		ug/L		94	59 - 135
Ethylbenzene	25.0	21.6		ug/L		86	77 - 123
1,2-Dibromoethane	25.0	22.2		ug/L		89	77 - 120
Isopropylbenzene	25.0	21.7		ug/L		87	77 - 122
Methyl acetate	50.0	43.1		ug/L		86	74 - 133
Methyl tert-butyl ether	25.0	24.9		ug/L		100	77 - 120
Methylcyclohexane	25.0	24.0		ug/L		96	68 - 134
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
Styrene	25.0	21.1		ug/L		85	80 - 120
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122
Toluene	25.0	23.2		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	26.4		ug/L		106	73 - 127

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

Lab Sample ID: LCS 480-393403/5
Matrix: Water
Analysis Batch: 393403

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	21.2		ug/L		85	80 - 120
Trichloroethene	25.0	25.5		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	29.0		ug/L		116	62 - 150
Vinyl chloride	25.0	22.7		ug/L		91	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*111*		*75 - 123*

Lab Sample ID: MB 480-393428/7
Matrix: Water
Analysis Batch: 393428

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			12/23/17 10:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/23/17 10:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/23/17 10:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/23/17 10:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/23/17 10:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/23/17 10:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/23/17 10:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/23/17 10:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/23/17 10:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/23/17 10:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/23/17 10:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/23/17 10:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/23/17 10:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/23/17 10:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/23/17 10:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/23/17 10:35	1
Acetone	ND		10	3.0	ug/L			12/23/17 10:35	1
Benzene	ND		1.0	0.41	ug/L			12/23/17 10:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/23/17 10:35	1
Bromoform	ND		1.0	0.26	ug/L			12/23/17 10:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/23/17 10:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/23/17 10:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/23/17 10:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/23/17 10:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/23/17 10:35	1
Chloroethane	ND		1.0	0.32	ug/L			12/23/17 10:35	1
Chloroform	ND		1.0	0.34	ug/L			12/23/17 10:35	1
Chloromethane	ND		1.0	0.35	ug/L			12/23/17 10:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/17 10:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/23/17 10:35	1
Cyclohexane	ND		1.0	0.18	ug/L			12/23/17 10:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/23/17 10:35	1

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

Lab Sample ID: MB 480-393428/7
Matrix: Water
Analysis Batch: 393428

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/23/17 10:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/23/17 10:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/23/17 10:35	1
Methyl acetate	ND		2.5	1.3	ug/L			12/23/17 10:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/23/17 10:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/23/17 10:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/17 10:35	1
Styrene	ND		1.0	0.73	ug/L			12/23/17 10:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/17 10:35	1
Toluene	ND		1.0	0.51	ug/L			12/23/17 10:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/17 10:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/23/17 10:35	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/17 10:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/23/17 10:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/23/17 10:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/23/17 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*12/23/17 10:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*12/23/17 10:35*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/23/17 10:35*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/23/17 10:35*	*1*

Lab Sample ID: LCS 480-393428/5
Matrix: Water
Analysis Batch: 393428

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	26.4		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.2		ug/L		85	76 - 120
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.1		ug/L		105	61 - 148
1,1-Dichloroethane	25.0	22.5		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	22.8		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	25.0		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.8		ug/L		91	56 - 134
1,2-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	21.7		ug/L		87	76 - 120
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 120
2-Butanone (MEK)	125	114		ug/L		91	57 - 140
2-Hexanone	125	108		ug/L		86	65 - 127
4-Methyl-2-pentanone (MIBK)	125	107		ug/L		86	71 - 125
Acetone	125	132		ug/L		105	56 - 142
Benzene	25.0	23.4		ug/L		94	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		101	80 - 122

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

Lab Sample ID: LCS 480-393428/5
Matrix: Water
Analysis Batch: 393428

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	25.0	25.1		ug/L		101	61 - 132
Bromomethane	25.0	22.0		ug/L		88	55 - 144
Carbon disulfide	25.0	22.5		ug/L		90	59 - 134
Carbon tetrachloride	25.0	28.2		ug/L		113	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	80 - 120
Dibromochloromethane	25.0	25.4		ug/L		102	75 - 125
Chloroethane	25.0	21.0		ug/L		84	69 - 136
Chloroform	25.0	24.6		ug/L		98	73 - 127
Chloromethane	25.0	18.1		ug/L		72	68 - 124
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	23.4		ug/L		94	74 - 124
Cyclohexane	25.0	21.4		ug/L		86	59 - 135
Dichlorodifluoromethane	25.0	21.5		ug/L		86	59 - 135
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
1,2-Dibromoethane	25.0	23.6		ug/L		94	77 - 120
Isopropylbenzene	25.0	23.4		ug/L		93	77 - 122
Methyl acetate	50.0	45.3		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	23.9		ug/L		96	77 - 120
Methylcyclohexane	25.0	24.2		ug/L		97	68 - 134
Methylene Chloride	25.0	22.4		ug/L		90	75 - 124
Styrene	25.0	23.0		ug/L		92	80 - 120
Tetrachloroethene	25.0	27.5		ug/L		110	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	26.3		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	22.5		ug/L		90	80 - 120
Trichloroethene	25.0	24.3		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	24.6		ug/L		99	62 - 150
Vinyl chloride	25.0	20.7		ug/L		83	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: MB 480-393632/6
Matrix: Water
Analysis Batch: 393632

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			12/27/17 11:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/27/17 11:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/27/17 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/27/17 11:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/27/17 11:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/27/17 11:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/27/17 11:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/27/17 11:50	1

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

Lab Sample ID: MB 480-393632/6
Matrix: Water
Analysis Batch: 393632

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/27/17 11:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/27/17 11:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/27/17 11:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/27/17 11:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/27/17 11:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/27/17 11:50	1
2-Hexanone	ND		5.0	1.2	ug/L			12/27/17 11:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/27/17 11:50	1
Acetone	ND		10	3.0	ug/L			12/27/17 11:50	1
Benzene	ND		1.0	0.41	ug/L			12/27/17 11:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/27/17 11:50	1
Bromoform	ND		1.0	0.26	ug/L			12/27/17 11:50	1
Bromomethane	ND		1.0	0.69	ug/L			12/27/17 11:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/27/17 11:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/27/17 11:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/27/17 11:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/27/17 11:50	1
Chloroethane	ND		1.0	0.32	ug/L			12/27/17 11:50	1
Chloroform	ND		1.0	0.34	ug/L			12/27/17 11:50	1
Chloromethane	ND		1.0	0.35	ug/L			12/27/17 11:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/27/17 11:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/27/17 11:50	1
Cyclohexane	ND		1.0	0.18	ug/L			12/27/17 11:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/27/17 11:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/27/17 11:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/27/17 11:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/27/17 11:50	1
Methyl acetate	ND		2.5	1.3	ug/L			12/27/17 11:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/27/17 11:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/27/17 11:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/27/17 11:50	1
Styrene	ND		1.0	0.73	ug/L			12/27/17 11:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/27/17 11:50	1
Toluene	ND		1.0	0.51	ug/L			12/27/17 11:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/27/17 11:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/27/17 11:50	1
Trichloroethene	ND		1.0	0.46	ug/L			12/27/17 11:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/27/17 11:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/27/17 11:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/27/17 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/27/17 11:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/27/17 11:50*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/27/17 11:50*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/27/17 11:50*	*1*

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

Lab Sample ID: LCS 480-393632/4
Matrix: Water
Analysis Batch: 393632

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	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.1		ug/L		92	76 - 120
1,1,2-Trichloroethane	25.0	27.8		ug/L		111	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.5		ug/L		102	61 - 148
1,1-Dichloroethane	25.0	26.3		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	21.9		ug/L		87	66 - 127
1,2,4-Trichlorobenzene	25.0	26.7		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	17.9		ug/L		72	56 - 134
1,2-Dichlorobenzene	25.0	26.7		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	25.4		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	27.0		ug/L		108	77 - 120
1,4-Dichlorobenzene	25.0	26.1		ug/L		104	80 - 120
2-Butanone (MEK)	125	118		ug/L		95	57 - 140
2-Hexanone	125	121		ug/L		97	65 - 127
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	154		ug/L		123	56 - 142
Benzene	25.0	26.9		ug/L		108	71 - 124
Bromodichloromethane	25.0	24.4		ug/L		97	80 - 122
Bromoform	25.0	27.2		ug/L		109	61 - 132
Bromomethane	25.0	25.2		ug/L		101	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134
Chlorobenzene	25.0	28.5		ug/L		114	80 - 120
Dibromochloromethane	25.0	27.0		ug/L		108	75 - 125
Chloroethane	25.0	25.1		ug/L		100	69 - 136
Chloroform	25.0	26.9		ug/L		108	73 - 127
Chloromethane	25.0	29.0		ug/L		116	68 - 124
cis-1,2-Dichloroethene	25.0	26.9		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		98	74 - 124
Cyclohexane	25.0	26.6		ug/L		106	59 - 135
Dichlorodifluoromethane	25.0	31.0		ug/L		124	59 - 135
Ethylbenzene	25.0	27.7		ug/L		111	77 - 123
1,2-Dibromoethane	25.0	26.4		ug/L		106	77 - 120
Isopropylbenzene	25.0	25.4		ug/L		102	77 - 122
Methyl acetate	50.0	42.5		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	24.4		ug/L		98	77 - 120
Methylcyclohexane	25.0	29.4		ug/L		118	68 - 134
Methylene Chloride	25.0	24.4		ug/L		98	75 - 124
Styrene	25.0	27.9		ug/L		112	80 - 120
Tetrachloroethene	25.0	29.9		ug/L		119	74 - 122
Toluene	25.0	27.7		ug/L		111	80 - 122
trans-1,2-Dichloroethene	25.0	27.4		ug/L		109	73 - 127
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	80 - 120
Trichloroethene	25.0	27.5		ug/L		110	74 - 123
Trichlorofluoromethane	25.0	21.7		ug/L		87	62 - 150
Vinyl chloride	25.0	28.8		ug/L		115	65 - 133

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

Lab Sample ID: LCS 480-393632/4
Matrix: Water
Analysis Batch: 393632

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: 480-129276-8 MS
Matrix: Water
Analysis Batch: 393632

Client Sample ID: MW 8D 122017
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	30.4		ug/L		122	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.9		ug/L		107	76 - 120
1,1,2-Trichloroethane	ND		25.0	30.4		ug/L		122	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	28.7		ug/L		115	61 - 148
1,1-Dichloroethane	0.89	J F1	25.0	31.1	F1	ug/L		121	77 - 120
1,1-Dichloroethene	ND		25.0	24.8		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	29.7		ug/L		119	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	19.0		ug/L		76	56 - 134
1,2-Dichlorobenzene	ND		25.0	29.8		ug/L		119	80 - 124
1,2-Dichloroethane	ND		25.0	27.6		ug/L		111	75 - 120
1,2-Dichloropropane	ND		25.0	28.0		ug/L		112	76 - 120
1,3-Dichlorobenzene	ND		25.0	29.2		ug/L		117	77 - 120
1,4-Dichlorobenzene	ND		25.0	29.0		ug/L		116	78 - 124
2-Butanone (MEK)	ND		125	122		ug/L		98	57 - 140
2-Hexanone	ND		125	124		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	125		ug/L		100	71 - 125
Acetone	ND	F2	125	123		ug/L		98	56 - 142
Benzene	ND		25.0	30.3		ug/L		121	71 - 124
Bromodichloromethane	ND		25.0	27.5		ug/L		110	80 - 122
Bromoform	ND		25.0	27.8		ug/L		111	61 - 132
Bromomethane	ND		25.0	29.1		ug/L		116	55 - 144
Carbon disulfide	ND		25.0	27.7		ug/L		111	59 - 134
Carbon tetrachloride	ND		25.0	30.3		ug/L		121	72 - 134
Chlorobenzene	ND	F1	25.0	30.7	F1	ug/L		123	80 - 120
Dibromochloromethane	ND		25.0	27.4		ug/L		110	75 - 125
Chloroethane	ND		25.0	29.8		ug/L		119	69 - 136
Chloroform	ND		25.0	30.6		ug/L		122	73 - 127
Chloromethane	ND	F1	25.0	33.7	F1	ug/L		135	68 - 124
cis-1,2-Dichloroethene	ND		25.0	30.1		ug/L		120	74 - 124
cis-1,3-Dichloropropene	ND		25.0	26.0		ug/L		104	74 - 124
Cyclohexane	ND		25.0	28.0		ug/L		112	59 - 135
Dichlorodifluoromethane	ND	F1	25.0	33.3		ug/L		133	59 - 135
Ethylbenzene	ND		25.0	29.7		ug/L		119	77 - 123
1,2-Dibromoethane	ND		25.0	29.2		ug/L		117	77 - 120
Isopropylbenzene	ND		25.0	28.4		ug/L		114	77 - 122
Methyl acetate	ND		50.0	44.5		ug/L		89	74 - 133
Methyl tert-butyl ether	0.30	J	25.0	27.3		ug/L		108	77 - 120

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

Lab Sample ID: 480-129276-8 MS
Matrix: Water
Analysis Batch: 393632

Client Sample ID: MW 8D 122017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	ND		25.0	32.0		ug/L		128	68 - 134
Methylene Chloride	ND		25.0	27.7		ug/L		111	75 - 124
Styrene	ND	F1	25.0	30.2	F1	ug/L		121	80 - 120
Tetrachloroethene	ND	F1	25.0	32.7	F1	ug/L		131	74 - 122
Toluene	ND	F1	25.0	30.8	F1	ug/L		123	80 - 122
trans-1,2-Dichloroethene	ND		25.0	30.4		ug/L		122	73 - 127
trans-1,3-Dichloropropene	ND		25.0	26.7		ug/L		107	80 - 120
Trichloroethene	ND	F1	25.0	30.9	F1	ug/L		124	74 - 123
Trichlorofluoromethane	ND	F2	25.0	28.2		ug/L		113	62 - 150
Vinyl chloride	ND	F1	25.0	34.6	F1	ug/L		138	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-129276-8 MSD
Matrix: Water
Analysis Batch: 393632

Client Sample ID: MW 8D 122017
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	29.1		ug/L		116	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		25.0	24.8		ug/L		99	76 - 120	8	15
1,1,2-Trichloroethane	ND		25.0	27.7		ug/L		111	76 - 122	9	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	29.1		ug/L		116	61 - 148	1	20
1,1-Dichloroethane	0.89	J F1	25.0	29.6		ug/L		115	77 - 120	5	20
1,1-Dichloroethene	ND		25.0	25.4		ug/L		101	66 - 127	2	16
1,2,4-Trichlorobenzene	ND		25.0	28.4		ug/L		114	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	ND		25.0	19.1		ug/L		77	56 - 134	1	15
1,2-Dichlorobenzene	ND		25.0	28.0		ug/L		112	80 - 124	6	20
1,2-Dichloroethane	ND		25.0	26.9		ug/L		107	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	26.9		ug/L		108	76 - 120	4	20
1,3-Dichlorobenzene	ND		25.0	27.2		ug/L		109	77 - 120	7	20
1,4-Dichlorobenzene	ND		25.0	27.7		ug/L		111	78 - 124	5	20
2-Butanone (MEK)	ND		125	112		ug/L		90	57 - 140	8	20
2-Hexanone	ND		125	121		ug/L		96	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	ND		125	121		ug/L		96	71 - 125	4	35
Acetone	ND	F2	125	105	F2	ug/L		84	56 - 142	16	15
Benzene	ND		25.0	28.1		ug/L		112	71 - 124	8	13
Bromodichloromethane	ND		25.0	26.0		ug/L		104	80 - 122	6	15
Bromoform	ND		25.0	26.5		ug/L		106	61 - 132	5	15
Bromomethane	ND		25.0	26.6		ug/L		106	55 - 144	9	15
Carbon disulfide	ND		25.0	25.0		ug/L		100	59 - 134	10	15
Carbon tetrachloride	ND		25.0	28.6		ug/L		115	72 - 134	6	15
Chlorobenzene	ND	F1	25.0	29.3		ug/L		117	80 - 120	5	25
Dibromochloromethane	ND		25.0	26.5		ug/L		106	75 - 125	3	15

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

Lab Sample ID: 480-129276-8 MSD
Matrix: Water
Analysis Batch: 393632

Client Sample ID: MW 8D 122017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	ND		25.0	27.0		ug/L		108	69 - 136	10	15
Chloroform	ND		25.0	27.6		ug/L		110	73 - 127	10	20
Chloromethane	ND	F1	25.0	33.2	F1	ug/L		133	68 - 124	1	15
cis-1,2-Dichloroethene	ND		25.0	29.0		ug/L		116	74 - 124	4	15
cis-1,3-Dichloropropene	ND		25.0	24.6		ug/L		98	74 - 124	5	15
Cyclohexane	ND		25.0	27.4		ug/L		110	59 - 135	2	20
Dichlorodifluoromethane	ND	F1	25.0	34.4	F1	ug/L		137	59 - 135	3	20
Ethylbenzene	ND		25.0	28.4		ug/L		114	77 - 123	5	15
1,2-Dibromoethane	ND		25.0	28.1		ug/L		112	77 - 120	4	15
Isopropylbenzene	ND		25.0	26.8		ug/L		107	77 - 122	6	20
Methyl acetate	ND		50.0	44.7		ug/L		89	74 - 133	0	20
Methyl tert-butyl ether	0.30	J	25.0	25.8		ug/L		102	77 - 120	5	37
Methylcyclohexane	ND		25.0	30.5		ug/L		122	68 - 134	5	20
Methylene Chloride	ND		25.0	26.7		ug/L		107	75 - 124	3	15
Styrene	ND	F1	25.0	28.6		ug/L		114	80 - 120	5	20
Tetrachloroethene	ND	F1	25.0	31.8	F1	ug/L		127	74 - 122	3	20
Toluene	ND	F1	25.0	28.4		ug/L		114	80 - 122	8	15
trans-1,2-Dichloroethene	ND		25.0	28.4		ug/L		114	73 - 127	7	20
trans-1,3-Dichloropropene	ND		25.0	25.4		ug/L		102	80 - 120	5	15
Trichloroethene	ND	F1	25.0	30.0		ug/L		120	74 - 123	3	16
Trichlorofluoromethane	ND	F2	25.0	22.5	F2	ug/L		90	62 - 150	23	20
Vinyl chloride	ND	F1	25.0	33.9	F1	ug/L		136	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

GC/MS VOA

Analysis Batch: 393403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129276-1	MW 1S 121917	Total/NA	Water	8260C	
480-129276-2	MW 1D 121917	Total/NA	Water	8260C	
MB 480-393403/7	Method Blank	Total/NA	Water	8260C	
LCS 480-393403/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 393428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129276-3	MW 7D 122017	Total/NA	Water	8260C	
480-129276-4	MW 8DD 122017	Total/NA	Water	8260C	
480-129276-5	MW 7S 122017	Total/NA	Water	8260C	
480-129276-6	MW 8S 122017	Total/NA	Water	8260C	
480-129276-7	X-1 122017	Total/NA	Water	8260C	
480-129276-8	MW 8D 122017	Total/NA	Water	8260C	
480-129276-11	MW 7DD-2 122017	Total/NA	Water	8260C	
480-129276-12	MW 6D 122017	Total/NA	Water	8260C	
480-129276-13	MW 6DD 122017	Total/NA	Water	8260C	
480-129276-14	MW 6S 122017	Total/NA	Water	8260C	
480-129276-15	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-393428/7	Method Blank	Total/NA	Water	8260C	
LCS 480-393428/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 393632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-393632/6	Method Blank	Total/NA	Water	8260C	
LCS 480-393632/4	Lab Control Sample	Total/NA	Water	8260C	
480-129276-8 MS	MW 8D 122017	Total/NA	Water	8260C	
480-129276-8 MSD	MW 8D 122017	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-129276-1

Client Sample ID: MW 1S 121917
Lab Sample ID: 480-129276-1
Date Collected: 12/19/17 16:23
Matrix: Water
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393403	12/23/17 02:57	KMN	TAL BUF

Client Sample ID: MW 1D 121917
Lab Sample ID: 480-129276-2
Date Collected: 12/19/17 16:25
Matrix: Water
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393403	12/23/17 03:21	KMN	TAL BUF

Client Sample ID: MW 7D 122017
Lab Sample ID: 480-129276-3
Date Collected: 12/20/17 10:40
Matrix: Water
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 11:35	KMN	TAL BUF

Client Sample ID: MW 8DD 122017
Lab Sample ID: 480-129276-4
Date Collected: 12/20/17 10:42
Matrix: Water
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 11:59	KMN	TAL BUF

Client Sample ID: MW 7S 122017
Lab Sample ID: 480-129276-5
Date Collected: 12/20/17 11:50
Matrix: Water
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 12:23	KMN	TAL BUF

Client Sample ID: MW 8S 122017
Lab Sample ID: 480-129276-6
Date Collected: 12/20/17 11:58
Matrix: Water
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 12:47	KMN	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-129276-1

Client Sample ID: X-1 122017

Lab Sample ID: 480-129276-7
Matrix: Water
Date Collected: 12/20/17 00:00
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 13:11	KMN	TAL BUF

Client Sample ID: MW 8D 122017

Lab Sample ID: 480-129276-8
Matrix: Water
Date Collected: 12/20/17 13:00
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 13:35	KMN	TAL BUF

Client Sample ID: MW 7DD-2 122017

Lab Sample ID: 480-129276-11
Matrix: Water
Date Collected: 12/20/17 13:55
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 14:46	KMN	TAL BUF

Client Sample ID: MW 6D 122017

Lab Sample ID: 480-129276-12
Matrix: Water
Date Collected: 12/20/17 15:10
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 15:10	KMN	TAL BUF

Client Sample ID: MW 6DD 122017

Lab Sample ID: 480-129276-13
Matrix: Water
Date Collected: 12/20/17 15:45
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 15:34	KMN	TAL BUF

Client Sample ID: MW 6S 122017

Lab Sample ID: 480-129276-14
Matrix: Water
Date Collected: 12/20/17 16:20
Date Received: 12/20/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 15:58	KMN	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-129276-1

Client Sample ID: QC TRIP BLANK
Date Collected: 12/20/17 00:00
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129276-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393428	12/23/17 16:22	KMN	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 Monitoring

TestAmerica Job ID: 480-129276-1

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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-129276-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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 = 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

TestAmerica Job ID: 480-129276-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-129276-1	MW 1S 121917	Water	12/19/17 16:23	12/20/17 17:30
480-129276-2	MW 1D 121917	Water	12/19/17 16:25	12/20/17 17:30
480-129276-3	MW 7D 122017	Water	12/20/17 10:40	12/20/17 17:30
480-129276-4	MW 8DD 122017	Water	12/20/17 10:42	12/20/17 17:30
480-129276-5	MW 7S 122017	Water	12/20/17 11:50	12/20/17 17:30
480-129276-6	MW 8S 122017	Water	12/20/17 11:58	12/20/17 17:30
480-129276-7	X-1 122017	Water	12/20/17 00:00	12/20/17 17:30
480-129276-8	MW 8D 122017	Water	12/20/17 13:00	12/20/17 17:30
480-129276-11	MW 7DD-2 122017	Water	12/20/17 13:55	12/20/17 17:30
480-129276-12	MW 6D 122017	Water	12/20/17 15:10	12/20/17 17:30
480-129276-13	MW 6DD 122017	Water	12/20/17 15:45	12/20/17 17:30
480-129276-14	MW 6S 122017	Water	12/20/17 16:20	12/20/17 17:30
480-129276-15	QC TRIP BLANK	Water	12/20/17 00:00	12/20/17 17:30

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

Chain of Custody Record

John Gardner

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Kennedy	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-106520-15479.1
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 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 1S 121917	12-19-17	16:23	G	Water			3		
MW 1D 121917	12-19-17	16:25	G	Water			3		
MW 7D 12207	12-20-17	10 40	G	Water			3		
MW 8DD 12207	12-20-17	10:42	G	Water			3		
MW 7S 12207	12-20-17	1150	G	Water			3		
MW 8S 12207	12-20-17	1158	G	Water			3		
X-1 12207	12-20-17	—	G	Water			3		
MW 8D 12207	12-20-17	13:00	G	Water			3		
MW 8D MS 12207	12-20-17	13:00	G	Water			3		
MW 8D MSD 12207	12-20-17	13:00	G	Water			3		
MW 7DD-2 12207	12-20-17	13:55	G	Water			3		

480-129276 COC

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
1	Martin Kennedy OBG	12-20-17 / 17:30	OBG		12/20/17 1730	FTA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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:

Ver: 08/04/2016

3.1 #3
3.3

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

John Gardner

Client Information	Sampler: Martin Koeninger Le	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-106520-15479.2
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 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 Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW 6D 122017	12-20-17	1510	G	Water			3		
MW 6DD 122017	12-20-17	1545	G	Water			3		
MW 6S 122017	12-20-17	1620	G	Water			3		
QC TRIP BLANKS				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: Mark Konh / MM F Callar	Date/Time: 12-20-17 / 17:30	Company: OBG	Received by: [signature]		Date/Time: 12/20/17 1730	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:

Ver: 08/04/2016

3.1 #1
3.3

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-129276-1

Login Number: 129276
List Number: 1
Creator: Harper, Marcus D

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.	N/A	
Chlorine Residual checked.	N/A	

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: 480-129353-1
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

Joseph V. Giacomazza

Authorized for release by:
1/3/2018 10:11:02 AM
Joe Giacomazza, Project Management Assistant II
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Designee for

Orlette Johnson, Senior Project Manager
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Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-129353-1

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: 480-129353-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-129353-1

Comments
No additional comments.

Receipt
The samples were received on 12/21/2017 3:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-393478 recovered above the upper control limit for Carbon Tetrachloride, 1,1,1-Trichloroethane, 1,1,2-Trichloro-1,1,1-trifluoroethane and Trichlorofluoromethane. 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 10D 122117 (480-129353-1), MW 5D 122117 (480-129353-2), MW 10S 122117 (480-129353-3), MW 4D 122117 (480-129353-5), MW 4S 122117 (480-129353-6) and QC TRIP BLANK (480-129353-7).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-393478 recovered above the upper control limit for Carbon Tetrachloride, 1,1,2-Trichloro-1,2,2-trifluoroethane and Trichlorofluoromethane. 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 5S 122117 (480-129353-4).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in 480-393478 was outside the method criteria for the following analyte(s): 1,1,1-Trichloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The following sample was impacted: MW 5S 122117 (480-129353-4).

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

TestAmerica Job ID: 480-129353-1

Client Sample ID: MW 10D 122117 — Lab Sample ID: 480-129353-1

No Detections.

Client Sample ID: MW 5D 122117 — Lab Sample ID: 480-129353-2

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

Client Sample ID: MW 10S 122117 — Lab Sample ID: 480-129353-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.3		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: MW 5S 122117 — Lab Sample ID: 480-129353-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	13		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	86		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	8.2		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	76		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.49	J	1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	4.0		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	26		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW 4D 122117 — Lab Sample ID: 480-129353-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.50	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW 4S 122117 — Lab Sample ID: 480-129353-6

No Detections.

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-129353-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW 10D 122117
Date Collected: 12/21/17 09:52
Date Received: 12/21/17 15:20

Lab Sample ID: 480-129353-1
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			12/26/17 11:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 11:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 11:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 11:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 11:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 11:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 11:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 11:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 11:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 11:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 11:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 11:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 11:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 11:06	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 11:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 11:06	1
Acetone	ND		10	3.0	ug/L			12/26/17 11:06	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 11:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/26/17 11:06	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 11:06	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 11:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 11:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 11:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 11:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/26/17 11:06	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 11:06	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 11:06	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 11:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 11:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 11:06	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 11:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 11:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 11:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/26/17 11:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 11:06	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 11:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 11:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 11:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 11:06	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 11:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 11:06	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 11:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 11:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 11:06	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 11:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 11:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 11:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/26/17 11:06	1

Client Sample ID: MW 10D 122117

Lab Sample ID: 480-129353-1

Date Collected: 12/21/17 09:52

Matrix: Water

Date Received: 12/21/17 15:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/26/17 11:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*12/26/17 11:06*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/26/17 11:06*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*12/26/17 11:06*	*1*

Client Sample ID: MW 5D 122117

Lab Sample ID: 480-129353-2

Date Collected: 12/21/17 09:55

Matrix: Water

Date Received: 12/21/17 15:20

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			12/26/17 11:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 11:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 11:30	1
1,1-Dichloroethane	**0.42**	**J**	1.0	0.38	ug/L			12/26/17 11:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 11:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 11:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 11:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 11:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 11:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 11:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 11:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 11:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 11:30	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 11:30	1
Acetone	ND		10	3.0	ug/L			12/26/17 11:30	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 11:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/26/17 11:30	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 11:30	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 11:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 11:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 11:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 11:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/26/17 11:30	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 11:30	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 11:30	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 11:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 11:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 11:30	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 11:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 11:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 11:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/26/17 11:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 11:30	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 11:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 11:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 11:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 11:30	1

Client Sample ID: MW 5D 122117

Lab Sample ID: 480-129353-2

Date Collected: 12/21/17 09:55

Matrix: Water

Date Received: 12/21/17 15:20

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			12/26/17 11:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 11:30	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 11:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 11:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 11:30	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 11:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 11:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 11:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/26/17 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*12/26/17 11:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*12/26/17 11:30*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/26/17 11:30*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*12/26/17 11:30*	*1*

Client Sample ID: MW 10S 122117

Lab Sample ID: 480-129353-3

Date Collected: 12/21/17 10:45

Matrix: Water

Date Received: 12/21/17 15:20

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			12/26/17 11:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 11:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 11:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 11:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 11:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 11:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 11:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 11:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 11:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 11:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 11:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 11:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 11:53	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 11:53	1
Acetone	ND		10	3.0	ug/L			12/26/17 11:53	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 11:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/26/17 11:53	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 11:53	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 11:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 11:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 11:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 11:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/26/17 11:53	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 11:53	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 11:53	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 11:53	1

Client Sample ID: MW 10S 122117

Lab Sample ID: 480-129353-3

Date Collected: 12/21/17 10:45

Matrix: Water

Date Received: 12/21/17 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**3.3**		1.0	0.81	ug/L			12/26/17 11:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 11:53	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 11:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 11:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 11:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/26/17 11:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 11:53	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 11:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 11:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 11:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 11:53	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 11:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 11:53	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 11:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 11:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 11:53	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 11:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 11:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 11:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/26/17 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*12/26/17 11:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*12/26/17 11:53*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/26/17 11:53*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*12/26/17 11:53*	*1*

Client Sample ID: MW 5S 122117

Lab Sample ID: 480-129353-4

Date Collected: 12/21/17 11:50

Matrix: Water

Date Received: 12/21/17 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**13**		1.0	0.82	ug/L			12/26/17 12:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 12:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 12:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 12:17	1
1,1-Dichloroethane	**86**		1.0	0.38	ug/L			12/26/17 12:17	1
1,1-Dichloroethene	**8.2**		1.0	0.29	ug/L			12/26/17 12:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 12:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 12:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 12:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 12:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 12:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 12:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 12:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 12:17	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 12:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 12:17	1
Acetone	ND		10	3.0	ug/L			12/26/17 12:17	1

Client Sample ID: MW 5S 122117

Lab Sample ID: 480-129353-4

Date Collected: 12/21/17 11:50

Matrix: Water

Date Received: 12/21/17 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			12/26/17 12:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/26/17 12:17	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 12:17	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 12:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 12:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 12:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 12:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/26/17 12:17	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 12:17	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 12:17	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 12:17	1
cis-1,2-Dichloroethene	**76**		1.0	0.81	ug/L			12/26/17 12:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 12:17	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 12:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 12:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 12:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/26/17 12:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 12:17	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 12:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 12:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 12:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 12:17	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 12:17	1
Tetrachloroethene	**0.49**	**J**	1.0	0.36	ug/L			12/26/17 12:17	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 12:17	1
trans-1,2-Dichloroethene	**4.0**		1.0	0.90	ug/L			12/26/17 12:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 12:17	1
Trichloroethene	**26**		1.0	0.46	ug/L			12/26/17 12:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 12:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 12:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/26/17 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*12/26/17 12:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*12/26/17 12:17*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*12/26/17 12:17*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*12/26/17 12:17*	*1*

Client Sample ID: MW 4D 122117

Lab Sample ID: 480-129353-5

Date Collected: 12/21/17 12:10

Matrix: Water

Date Received: 12/21/17 15:20

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			12/26/17 12:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 12:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 12:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 12:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 12:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 12:41	1

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

TestAmerica Job ID: 480-129353-1

Client Sample ID: MW 4D 122117
Date Collected: 12/21/17 12:10
Date Received: 12/21/17 15:20

Lab Sample ID: 480-129353-5
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			12/26/17 12:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 12:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 12:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 12:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 12:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 12:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 12:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 12:41	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 12:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 12:41	1
Acetone	ND		10	3.0	ug/L			12/26/17 12:41	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 12:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/26/17 12:41	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 12:41	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 12:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 12:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 12:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 12:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/26/17 12:41	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 12:41	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 12:41	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 12:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 12:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 12:41	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 12:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 12:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 12:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/26/17 12:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 12:41	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 12:41	1
Methyl tert-butyl ether	**0.50**	**J**	1.0	0.16	ug/L			12/26/17 12:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 12:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 12:41	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 12:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 12:41	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 12:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 12:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 12:41	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 12:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 12:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 12:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/26/17 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*12/26/17 12:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*12/26/17 12:41*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*12/26/17 12:41*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/26/17 12:41*	*1*

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

TestAmerica Job ID: 480-129353-1

Client Sample ID: MW 4S 122117
Date Collected: 12/21/17 12:50
Date Received: 12/21/17 15:20

Lab Sample ID: 480-129353-6
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			12/26/17 13:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 13:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 13:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 13:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 13:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 13:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 13:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 13:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 13:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 13:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 13:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 13:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 13:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 13:05	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 13:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 13:05	1
Acetone	ND		10	3.0	ug/L			12/26/17 13:05	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 13:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/26/17 13:05	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 13:05	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 13:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 13:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 13:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 13:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/26/17 13:05	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 13:05	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 13:05	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 13:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 13:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 13:05	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 13:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 13:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 13:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/26/17 13:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 13:05	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 13:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 13:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 13:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 13:05	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 13:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 13:05	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 13:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 13:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 13:05	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 13:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 13:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 13:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/26/17 13:05	1

Client Sample ID: MW 4S 122117

Lab Sample ID: 480-129353-6

Date Collected: 12/21/17 12:50

Matrix: Water

Date Received: 12/21/17 15:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/26/17 13:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/26/17 13:05*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/26/17 13:05*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*12/26/17 13:05*	*1*

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-129353-7

Date Collected: 12/21/17 00:00

Matrix: Water

Date Received: 12/21/17 15:20

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			12/26/17 13:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 13:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 13:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 13:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 13:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 13:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 13:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 13:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 13:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 13:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 13:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 13:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 13:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 13:29	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 13:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 13:29	1
Acetone	ND		10	3.0	ug/L			12/26/17 13:29	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 13:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/26/17 13:29	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 13:29	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 13:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 13:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 13:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 13:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/26/17 13:29	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 13:29	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 13:29	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 13:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 13:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 13:29	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 13:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 13:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 13:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/26/17 13:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 13:29	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 13:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 13:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 13:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 13:29	1

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

TestAmerica Job ID: 480-129353-1

Client Sample ID: QC TRIP BLANK
Date Collected: 12/21/17 00:00
Date Received: 12/21/17 15:20

Lab Sample ID: 480-129353-7
Matrix: Water

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			12/26/17 13:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 13:29	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 13:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 13:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 13:29	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 13:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 13:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 13:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/26/17 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/26/17 13:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/26/17 13:29*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/26/17 13:29*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*12/26/17 13:29*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-129353-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-129353-1	MW 10D 122117	95	113	104	109
480-129353-2	MW 5D 122117	93	110	103	111
480-129353-3	MW 10S 122117	92	112	104	104
480-129353-4	MW 5S 122117	96	108	109	104
480-129353-5	MW 4D 122117	92	105	108	101
480-129353-6	MW 4S 122117	94	103	105	100
480-129353-7	QC TRIP BLANK	97	103	104	96
LCS 480-393478/5	Lab Control Sample	91	110	104	103
MB 480-393478/7	Method Blank	94	106	106	105

Surrogate Legend

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

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

Lab Sample ID: MB 480-393478/7
Matrix: Water
Analysis Batch: 393478

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			12/26/17 10:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/26/17 10:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/26/17 10:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/26/17 10:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/26/17 10:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/26/17 10:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/26/17 10:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/26/17 10:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/26/17 10:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/26/17 10:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/26/17 10:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/26/17 10:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/26/17 10:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/26/17 10:12	1
2-Hexanone	ND		5.0	1.2	ug/L			12/26/17 10:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/26/17 10:12	1
Acetone	ND		10	3.0	ug/L			12/26/17 10:12	1
Benzene	ND		1.0	0.41	ug/L			12/26/17 10:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/26/17 10:12	1
Bromoform	ND		1.0	0.26	ug/L			12/26/17 10:12	1
Bromomethane	ND		1.0	0.69	ug/L			12/26/17 10:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/26/17 10:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/26/17 10:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/26/17 10:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/26/17 10:12	1
Chloroethane	ND		1.0	0.32	ug/L			12/26/17 10:12	1
Chloroform	ND		1.0	0.34	ug/L			12/26/17 10:12	1
Chloromethane	ND		1.0	0.35	ug/L			12/26/17 10:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/26/17 10:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/26/17 10:12	1
Cyclohexane	ND		1.0	0.18	ug/L			12/26/17 10:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/26/17 10:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/26/17 10:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/26/17 10:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/26/17 10:12	1
Methyl acetate	ND		2.5	1.3	ug/L			12/26/17 10:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/26/17 10:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/26/17 10:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/26/17 10:12	1
Styrene	ND		1.0	0.73	ug/L			12/26/17 10:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/26/17 10:12	1
Toluene	ND		1.0	0.51	ug/L			12/26/17 10:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/26/17 10:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/26/17 10:12	1
Trichloroethene	ND		1.0	0.46	ug/L			12/26/17 10:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/26/17 10:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/26/17 10:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/26/17 10:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		12/26/17 10:12	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		12/26/17 10:12	1
4-Bromofluorobenzene (Surr)	106		73 - 120		12/26/17 10:12	1
Dibromofluoromethane (Surr)	105		75 - 123		12/26/17 10:12	1

Lab Sample ID: LCS 480-393478/5
Matrix: Water
Analysis Batch: 393478

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	29.3		ug/L		117	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.2		ug/L		85	76 - 120
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8		ug/L		115	61 - 148
1,1-Dichloroethane	25.0	23.3		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	24.2		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.8		ug/L		87	56 - 134
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	26.4		ug/L		106	75 - 120
1,2-Dichloropropane	25.0	22.0		ug/L		88	76 - 120
1,3-Dichlorobenzene	25.0	25.1		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	114		ug/L		91	57 - 140
2-Hexanone	125	108		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	125	107		ug/L		86	71 - 125
Acetone	125	129		ug/L		103	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromodichloromethane	25.0	25.9		ug/L		104	80 - 122
Bromoform	25.0	28.7		ug/L		115	61 - 132
Bromomethane	25.0	26.1		ug/L		104	55 - 144
Carbon disulfide	25.0	23.2		ug/L		93	59 - 134
Carbon tetrachloride	25.0	30.5		ug/L		122	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	80 - 120
Dibromochloromethane	25.0	27.3		ug/L		109	75 - 125
Chloroethane	25.0	22.9		ug/L		92	69 - 136
Chloroform	25.0	25.1		ug/L		100	73 - 127
Chloromethane	25.0	22.0		ug/L		88	68 - 124
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	25.6		ug/L		102	74 - 124
Cyclohexane	25.0	23.4		ug/L		94	59 - 135
Dichlorodifluoromethane	25.0	30.3		ug/L		121	59 - 135
Ethylbenzene	25.0	23.5		ug/L		94	77 - 123
1,2-Dibromoethane	25.0	24.8		ug/L		99	77 - 120
Isopropylbenzene	25.0	23.1		ug/L		92	77 - 122
Methyl acetate	50.0	47.3		ug/L		95	74 - 133
Methyl tert-butyl ether	25.0	24.8		ug/L		99	77 - 120
Methylcyclohexane	25.0	24.7		ug/L		99	68 - 134
Methylene Chloride	25.0	23.5		ug/L		94	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	27.5		ug/L		110	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	26.7		ug/L		107	73 - 127

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

Lab Sample ID: LCS 480-393478/5
Matrix: Water
Analysis Batch: 393478

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
trans-1,3-Dichloropropene			25.0	24.0		ug/L		96	80 - 120		
Trichloroethene			25.0	25.5		ug/L		102	74 - 123		
Trichlorofluoromethane			25.0	29.4		ug/L		117	62 - 150		
Vinyl chloride			25.0	22.5		ug/L		90	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

QC Association Summary

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

TestAmerica Job ID: 480-129353-1

GC/MS VOA

Analysis Batch: 393478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129353-1	MW 10D 122117	Total/NA	Water	8260C	
480-129353-2	MW 5D 122117	Total/NA	Water	8260C	
480-129353-3	MW 10S 122117	Total/NA	Water	8260C	
480-129353-4	MW 5S 122117	Total/NA	Water	8260C	
480-129353-5	MW 4D 122117	Total/NA	Water	8260C	
480-129353-6	MW 4S 122117	Total/NA	Water	8260C	
480-129353-7	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-393478/7	Method Blank	Total/NA	Water	8260C	
LCS 480-393478/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-129353-1

Client Sample ID: MW 10D 122117
Lab Sample ID: 480-129353-1
Date Collected: 12/21/17 09:52
Matrix: Water
Date Received: 12/21/17 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393478	12/26/17 11:06	LCH	TAL BUF

Client Sample ID: MW 5D 122117
Lab Sample ID: 480-129353-2
Date Collected: 12/21/17 09:55
Matrix: Water
Date Received: 12/21/17 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393478	12/26/17 11:30	LCH	TAL BUF

Client Sample ID: MW 10S 122117
Lab Sample ID: 480-129353-3
Date Collected: 12/21/17 10:45
Matrix: Water
Date Received: 12/21/17 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393478	12/26/17 11:53	LCH	TAL BUF

Client Sample ID: MW 5S 122117
Lab Sample ID: 480-129353-4
Date Collected: 12/21/17 11:50
Matrix: Water
Date Received: 12/21/17 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393478	12/26/17 12:17	LCH	TAL BUF

Client Sample ID: MW 4D 122117
Lab Sample ID: 480-129353-5
Date Collected: 12/21/17 12:10
Matrix: Water
Date Received: 12/21/17 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393478	12/26/17 12:41	LCH	TAL BUF

Client Sample ID: MW 4S 122117
Lab Sample ID: 480-129353-6
Date Collected: 12/21/17 12:50
Matrix: Water
Date Received: 12/21/17 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393478	12/26/17 13:05	LCH	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-129353-1

Client Sample ID: QC TRIP BLANK
Date Collected: 12/21/17 00:00
Date Received: 12/21/17 15:20

Lab Sample ID: 480-129353-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	393478	12/26/17 13:29	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 Monitoring

TestAmerica Job ID: 480-129353-1

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	03-31-18

Method Summary

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

TestAmerica Job ID: 480-129353-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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 = 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

TestAmerica Job ID: 480-129353-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-129353-1	MW 10D 122117	Water	12/21/17 09:52	12/21/17 15:20
480-129353-2	MW 5D 122117	Water	12/21/17 09:55	12/21/17 15:20
480-129353-3	MW 10S 122117	Water	12/21/17 10:45	12/21/17 15:20
480-129353-4	MW 5S 122117	Water	12/21/17 11:50	12/21/17 15:20
480-129353-5	MW 4D 122117	Water	12/21/17 12:10	12/21/17 15:20
480-129353-6	MW 4S 122117	Water	12/21/17 12:50	12/21/17 15:20
480-129353-7	QC TRIP BLANK	Water	12/21/17 00:00	12/21/17 15:20

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: Milton Kearns w/ Norm Gordon	Lab PM: Johnson, Oriette S	Carrier Tracking No(s):	COC No: 480-106520-15479.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1360	E-Mail: oriette.johnson@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 #: 11700485			
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 10D 122117	12-21-17	9:52	G	Water			3		
MW 5D 122117	12-21-17	9:55	G	Water			3		
MW 10S 122117	12-21-17	10:45	G	Water			3		
MW 5S 122117	12-21-17	1150	G	Water			3		480-129353 COC
MW 4D 122117	12-21-17	1210	G	Water			3		
MW 4S 122117	12-21-17	12:50	G	Water			3		
QC TRIP Blanks				Water			2		
				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: Milton Kearns / WF Crawford	Date/Time: 12-21-17 / 15:20	Company: OBG	Received by: [signature]	Date/Time: 12/21/17 1520	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

3.1 #3

1/3/2018

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-129353-1

Login Number: 129353

List Source: TestAmerica Buffalo

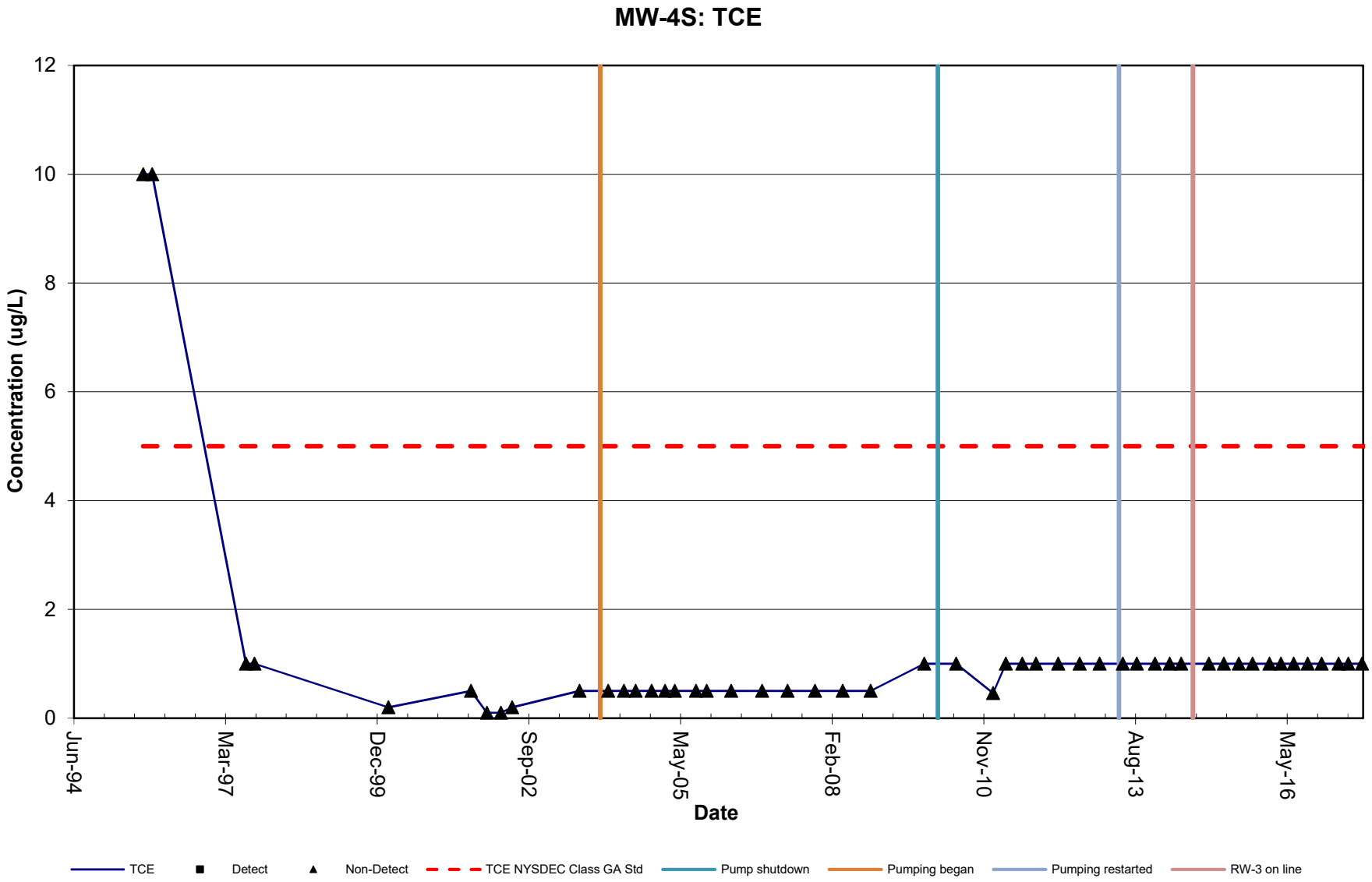
List Number: 1

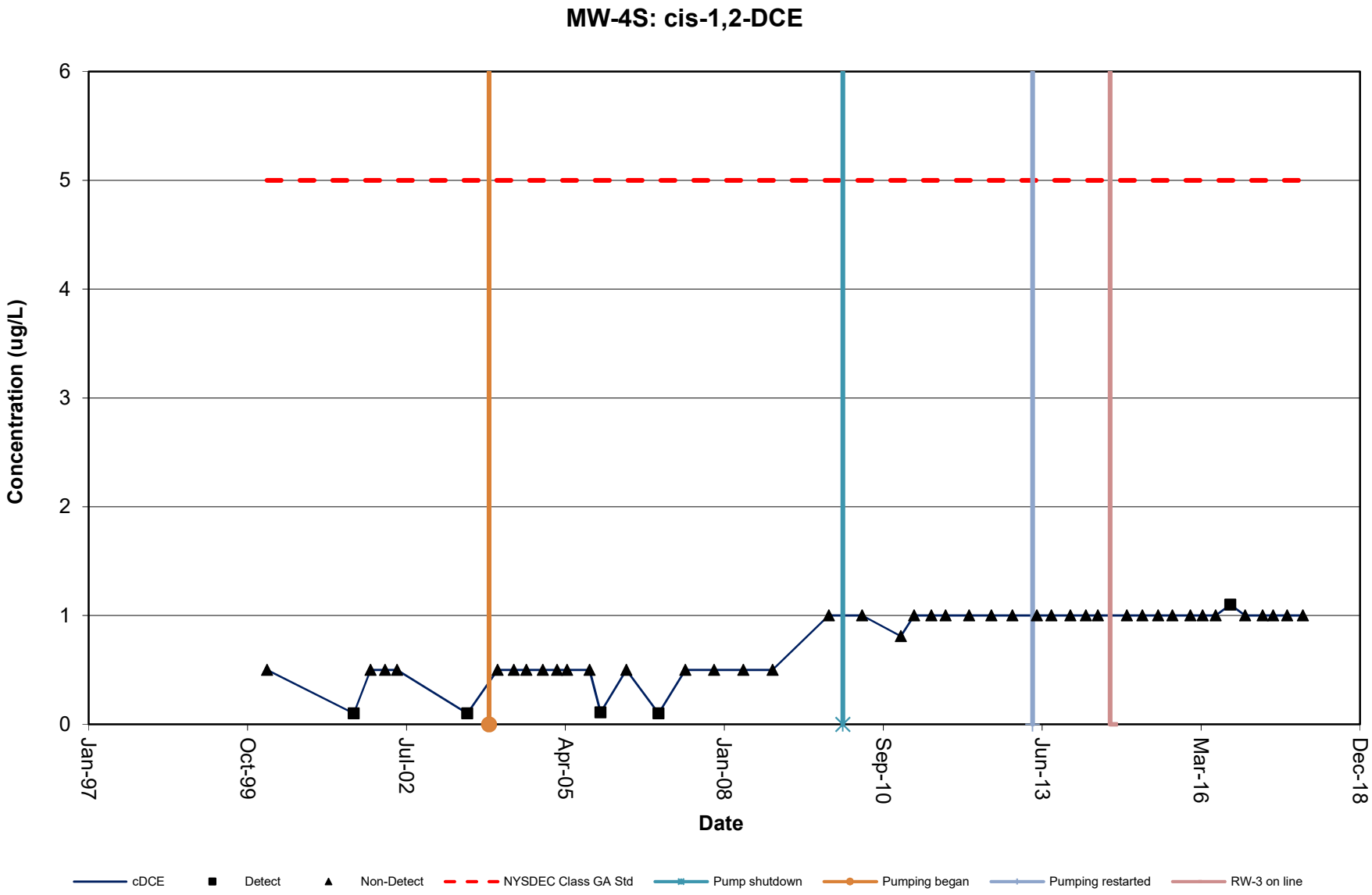
Creator: Harper, Marcus D

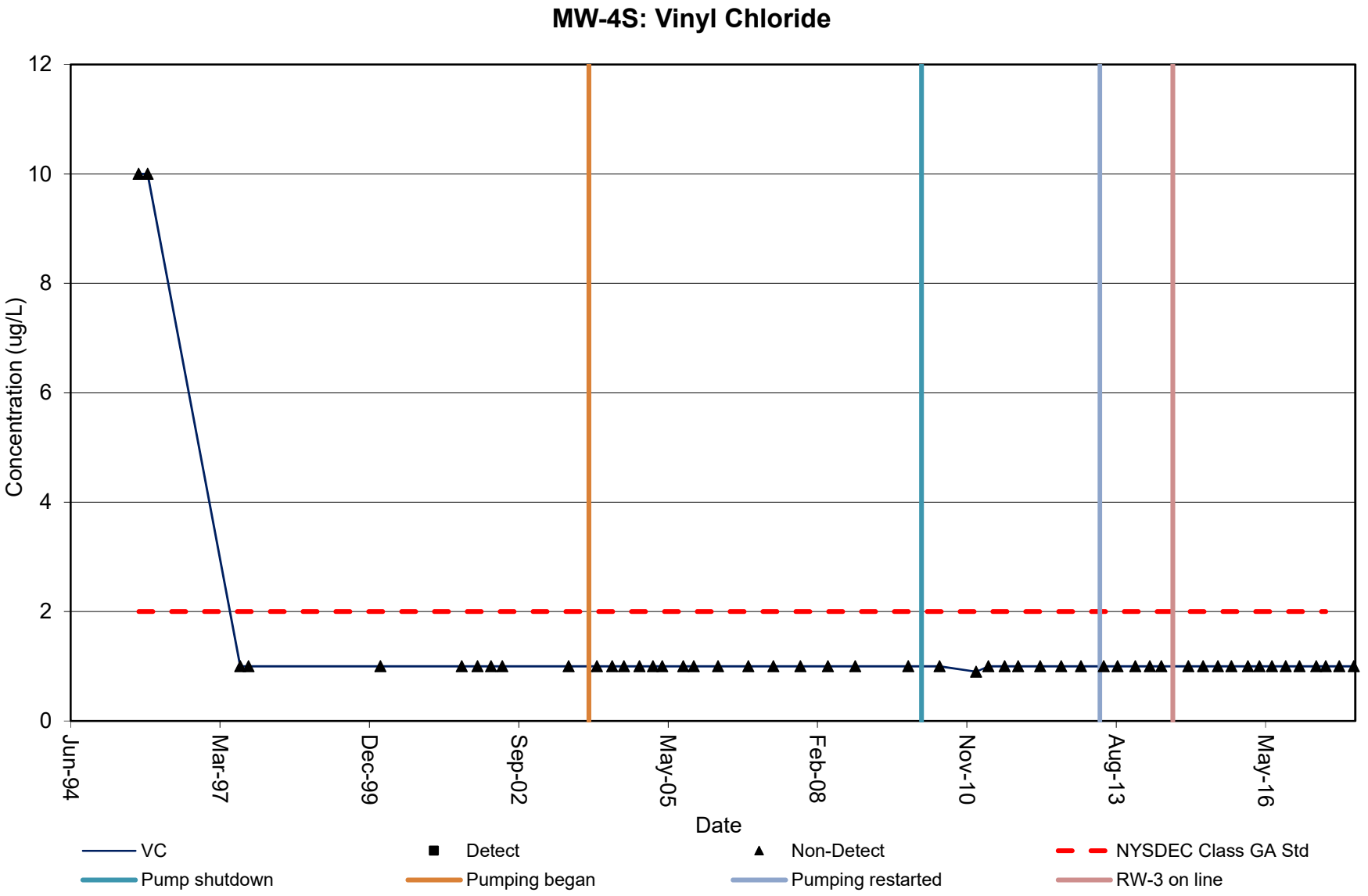
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature 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	

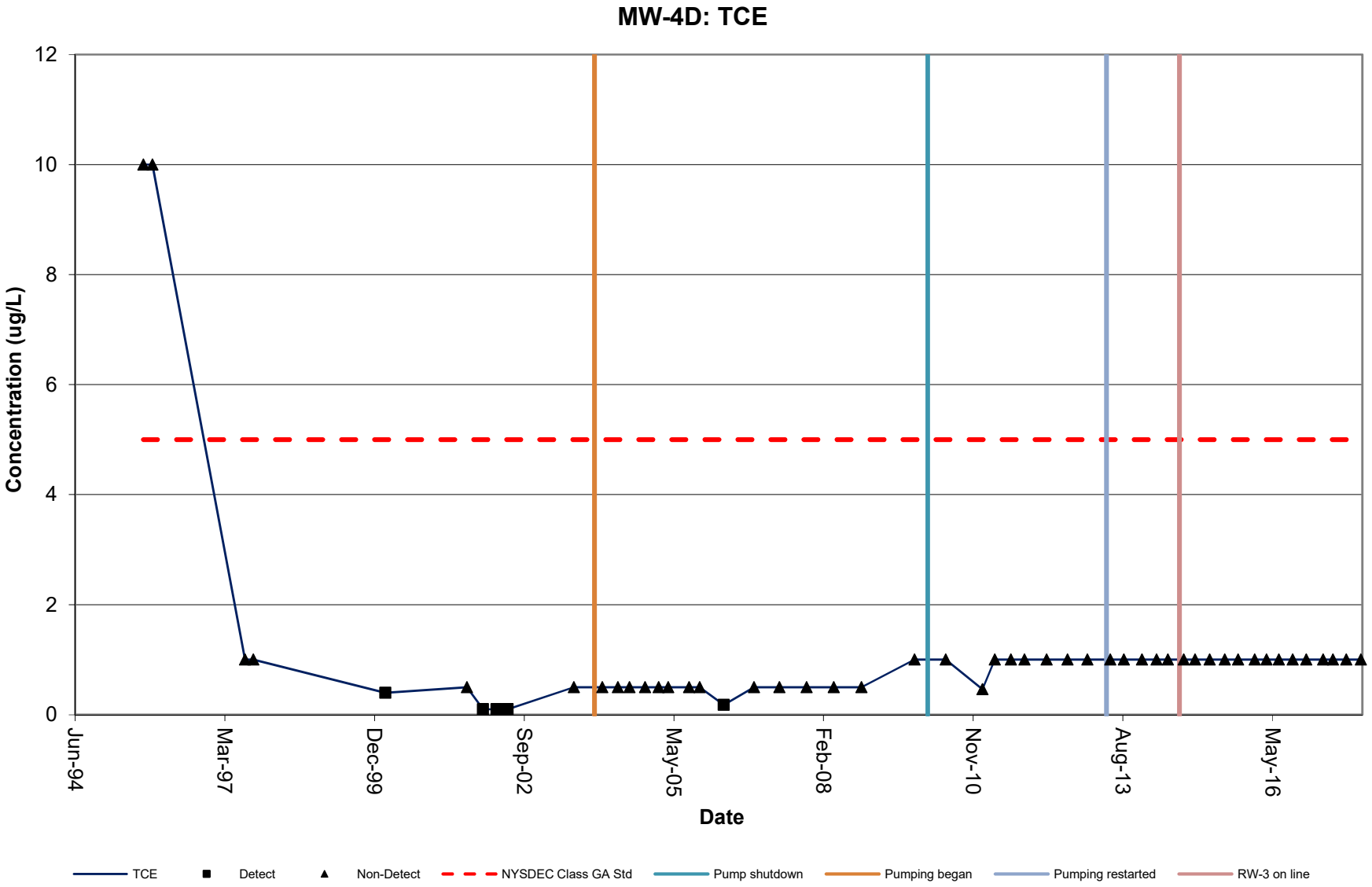
Appendix D

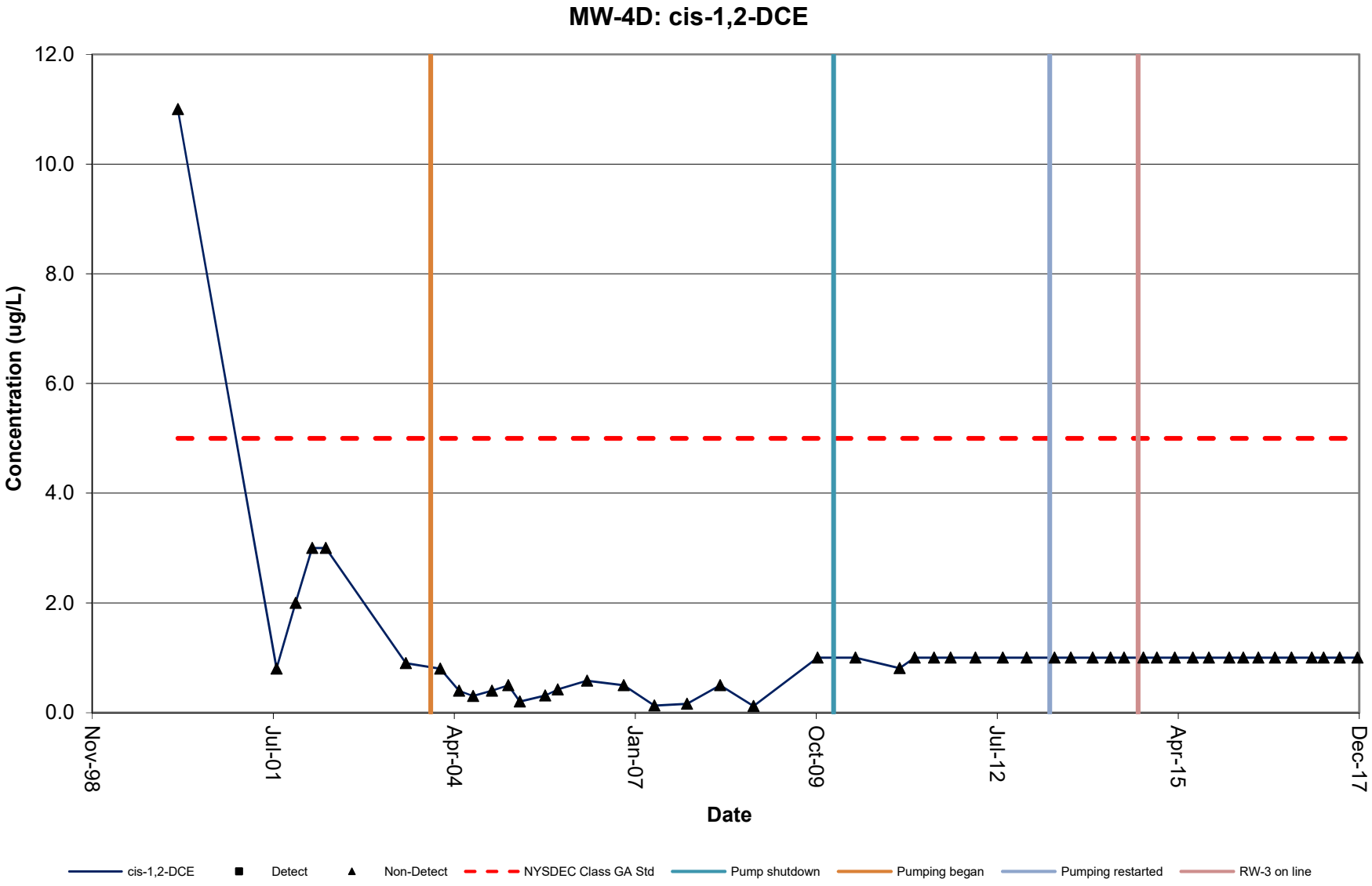
Groundwater VOC Concentration Trends

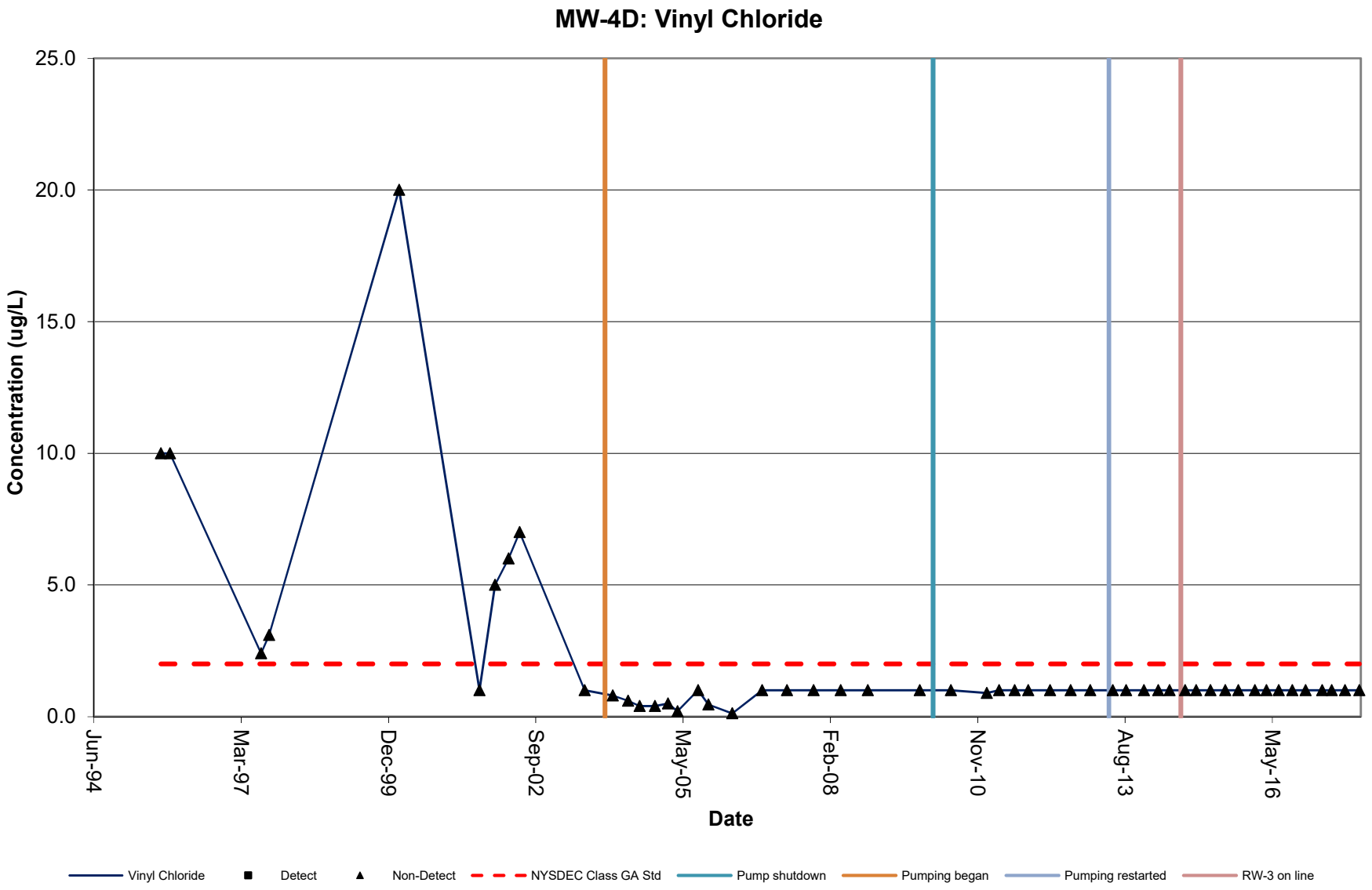

MW-4S: TCE
Concentration (ug/L)
12
10
8
6
4
2
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
TCE NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

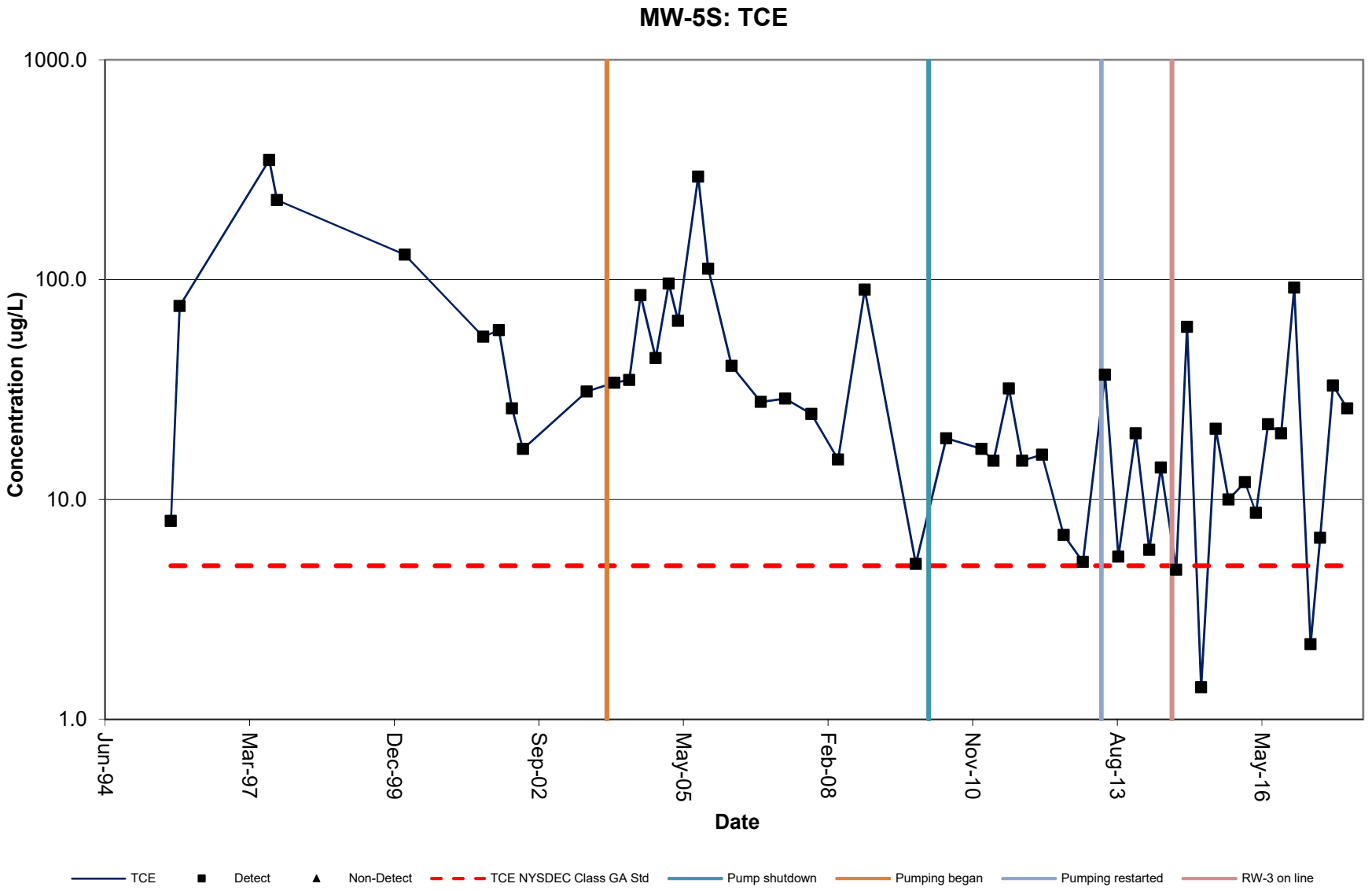

MW-4S: cis-1,2-DCE
Concentration (ug/L)
6
5
4
3
2
1
0
Jan-97
Oct-99
Jul-02
Apr-05
Jan-08
Sep-10
Jun-13
Mar-16
Dec-18
Date
cDCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

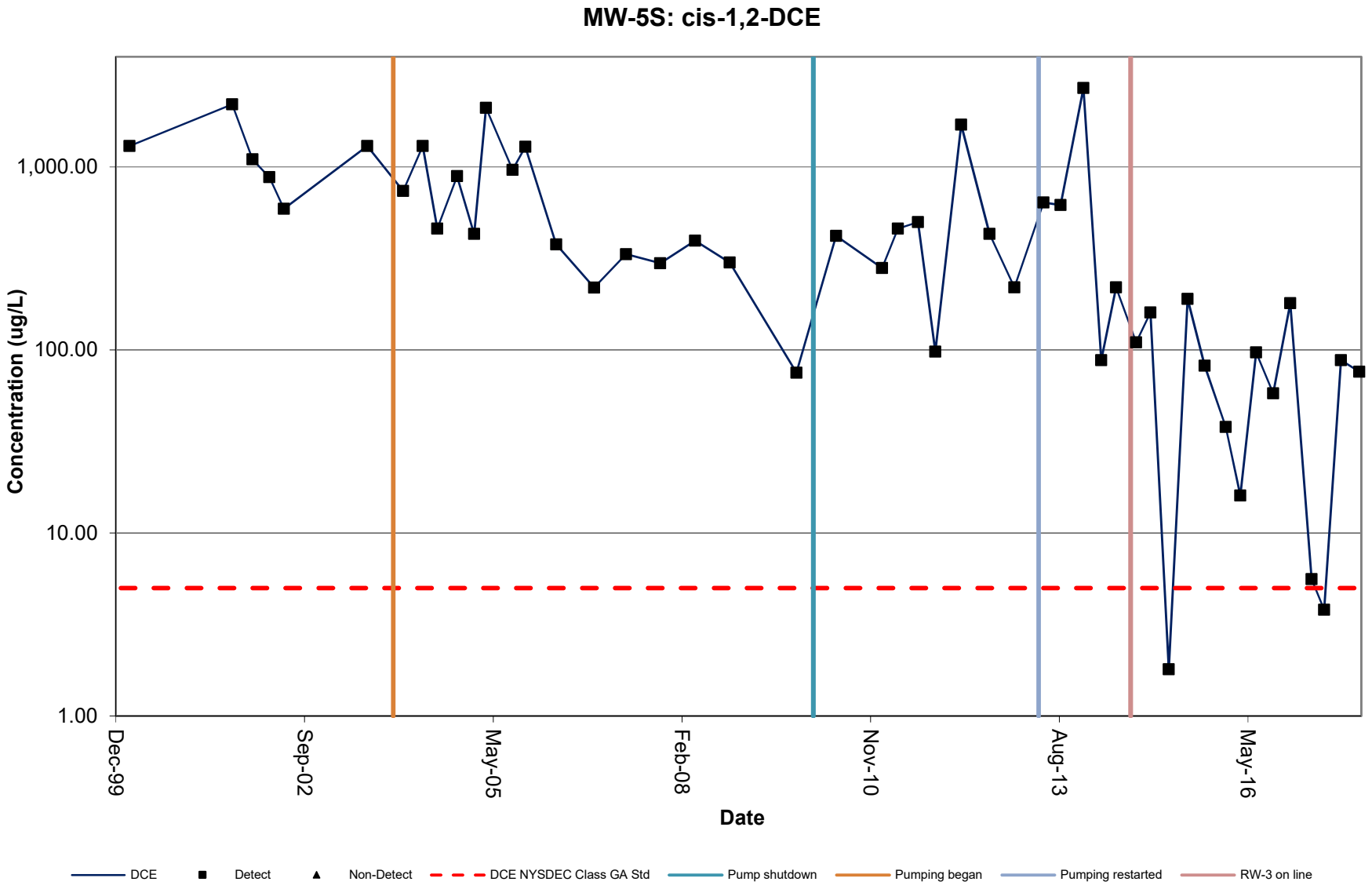

MW-4S: Vinyl Chloride
12
10
8
6
4
2
0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
VC
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

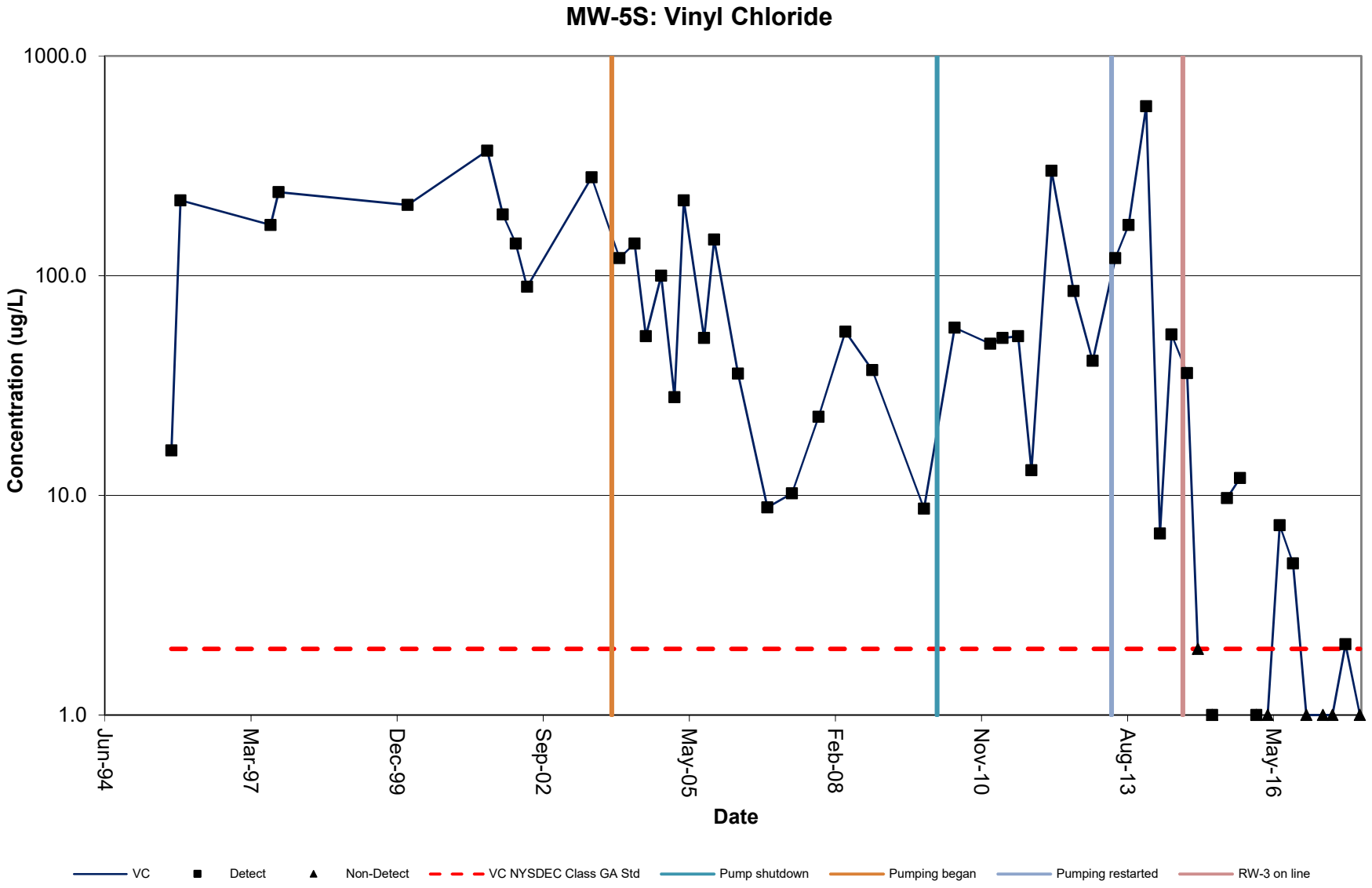

MW-4D: TCE
Concentration (ug/L)
12
10
8
6
4
2
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

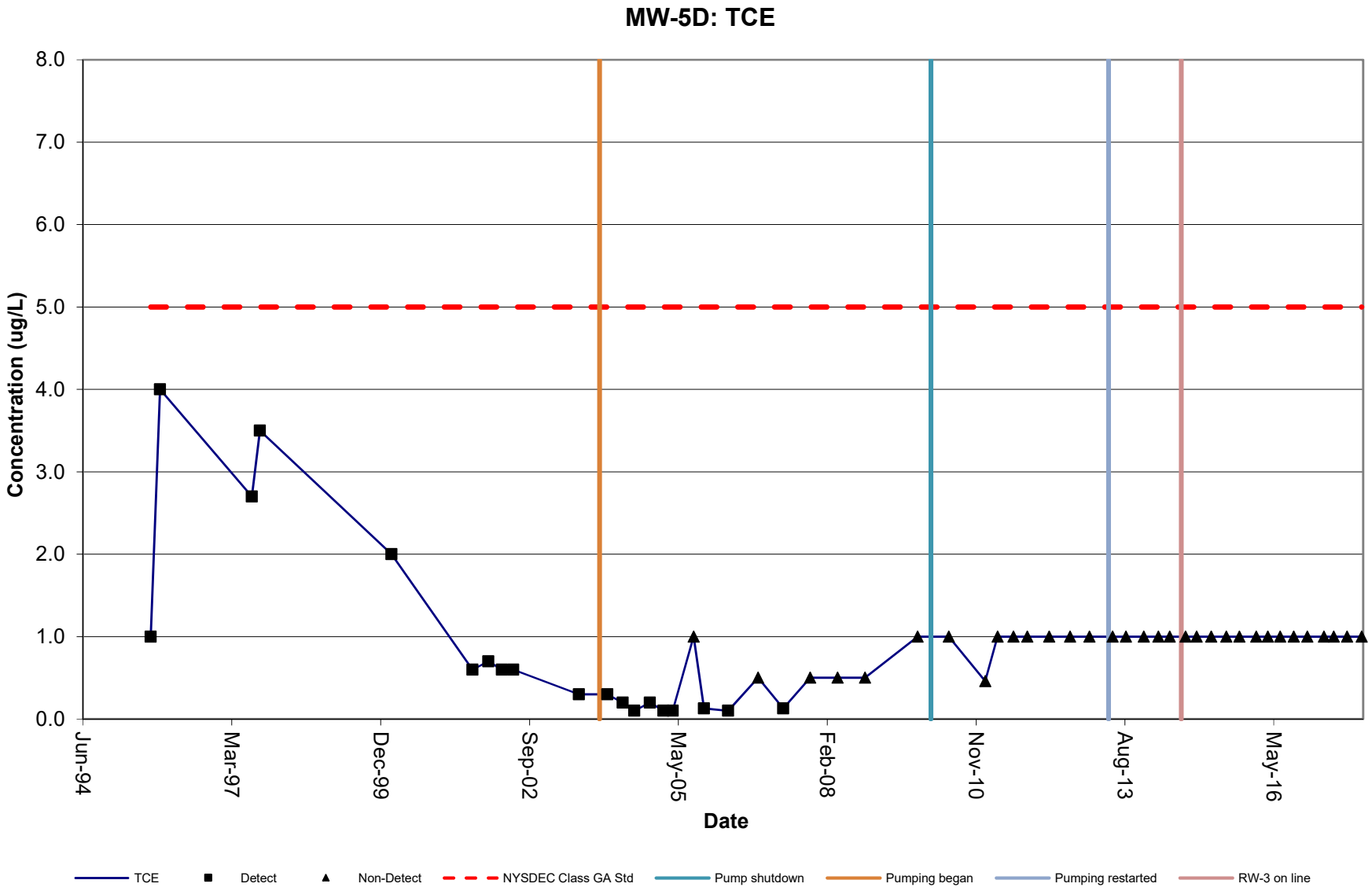

MW-4D: cis-1,2-DCE
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Nov-98
Jul-01
Apr-04
Jan-07
Oct-09
Jul-12
Apr-15
Dec-17
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

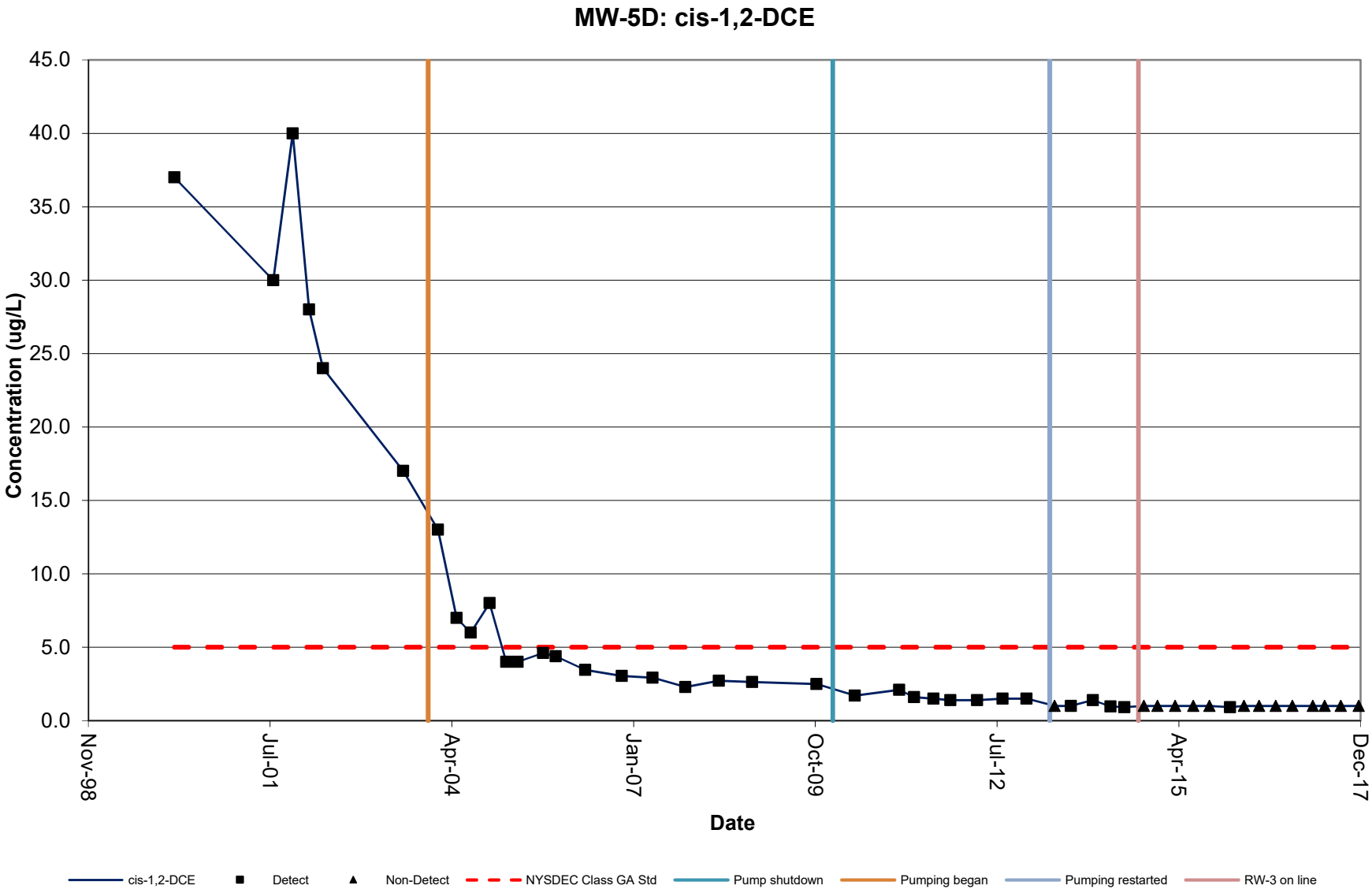

MW-4D: Vinyl Chloride
25.0
20.0
15.0
10.0
5.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

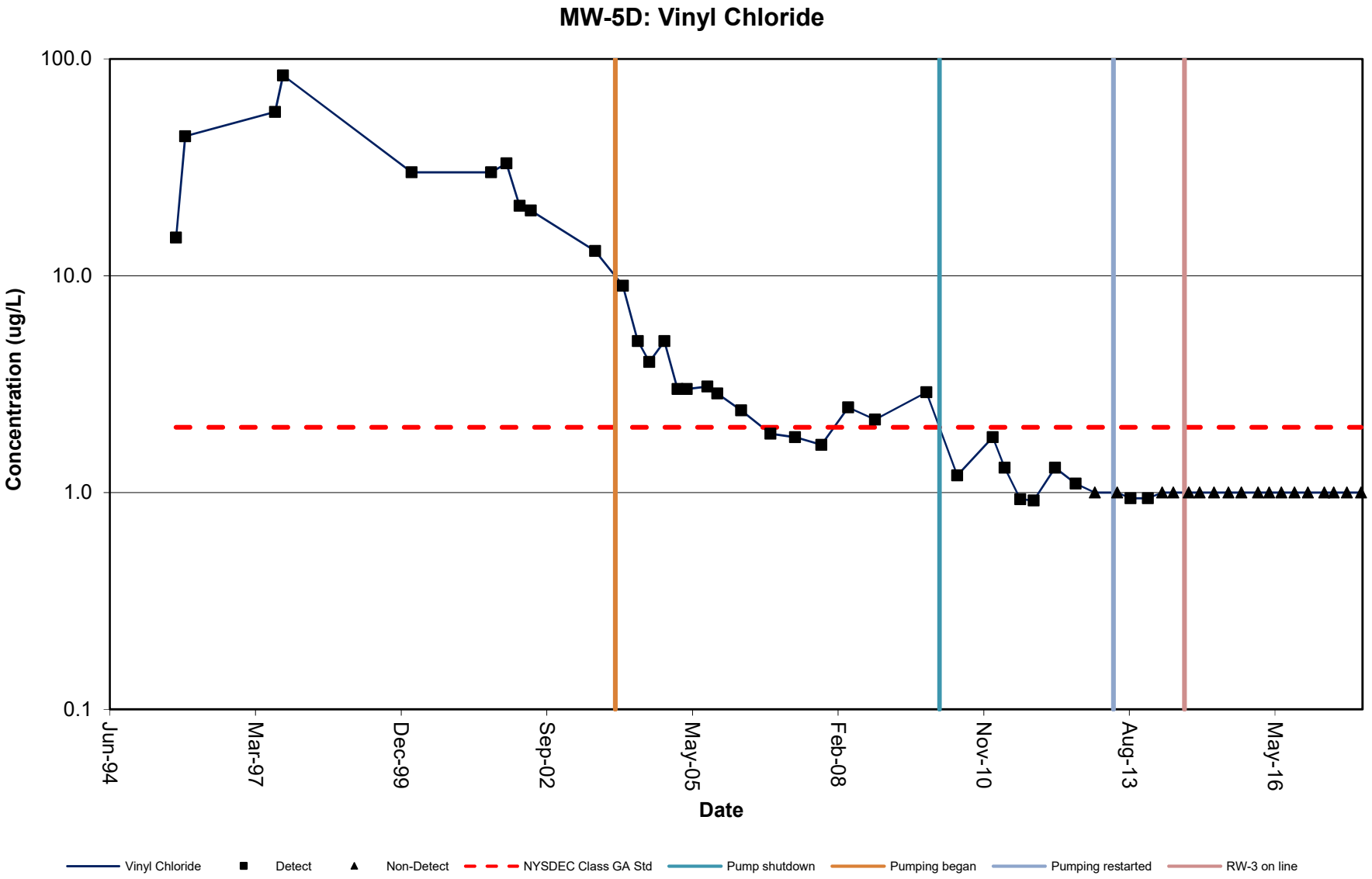

MW-5S: TCE
1000.0
100.0
10.0
1.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
TCE NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

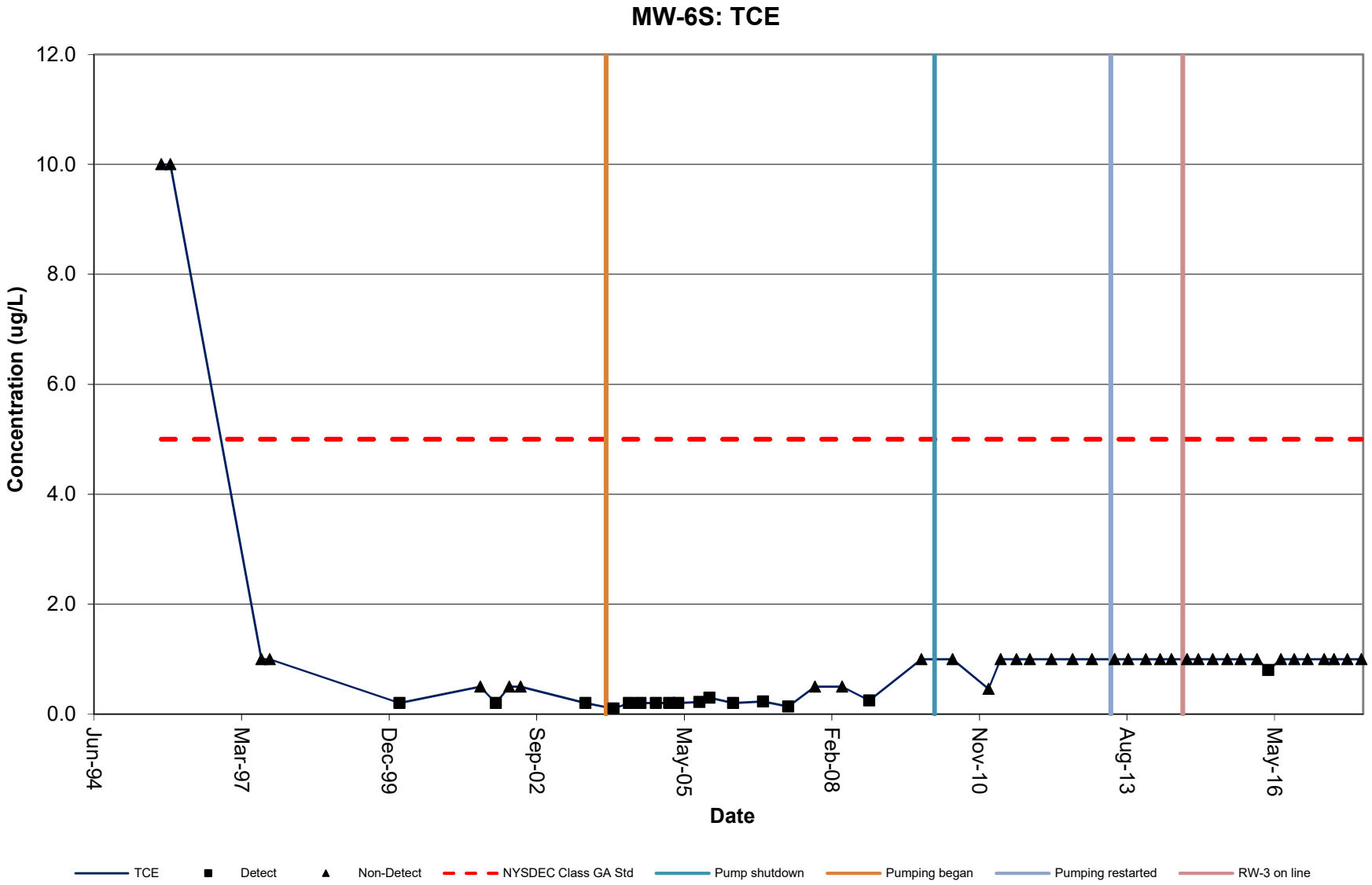

MW-5S: cis-1,2-DCE
Concentration (ug/L)
1,000.00
100.00
10.00
1.00
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
DCE
Detect
Non-Detect
DCE NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

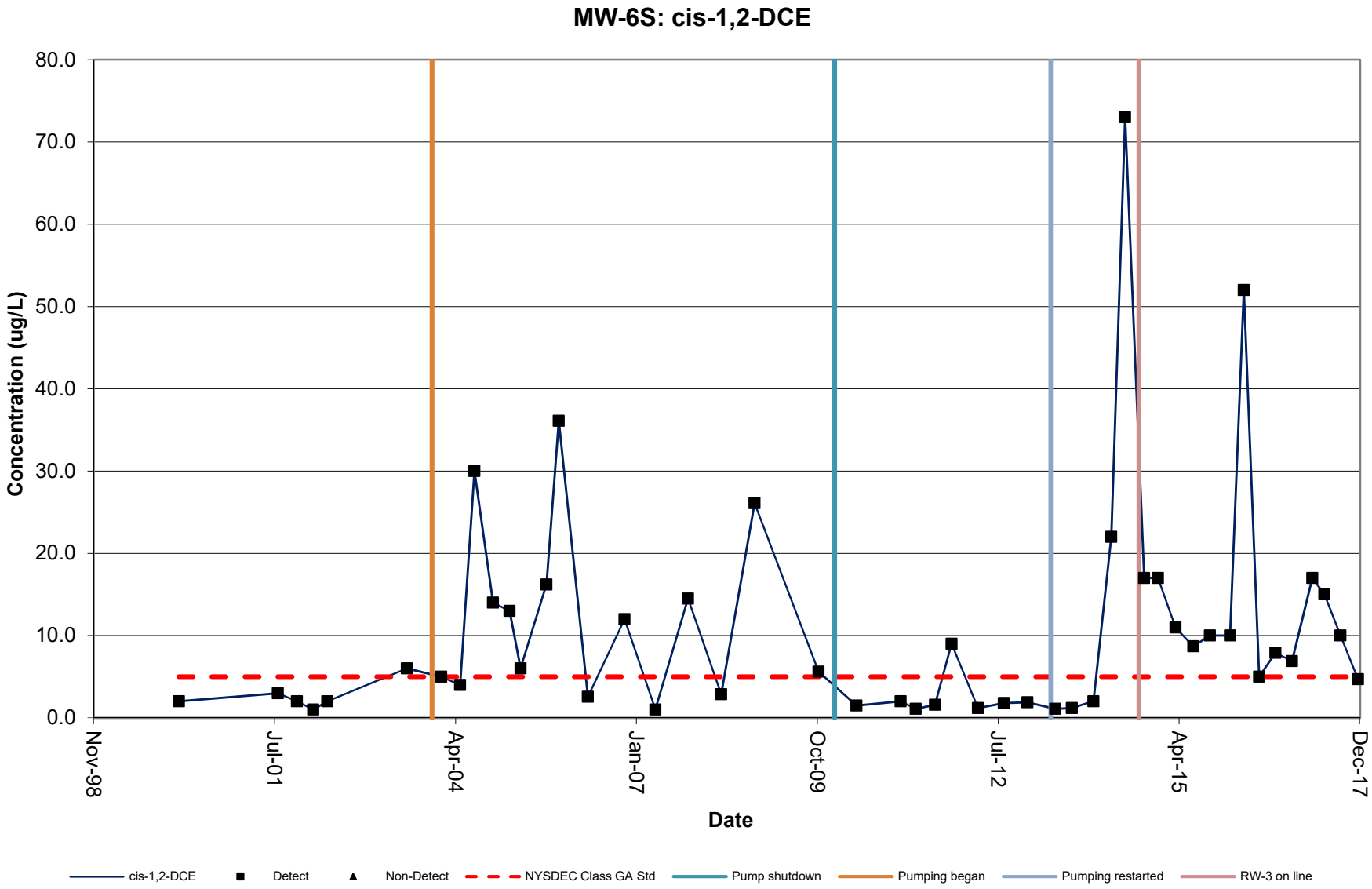

MW-5S: Vinyl Chloride
1000.0
100.0
10.0
1.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
VC
Detect
Non-Detect
VC NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

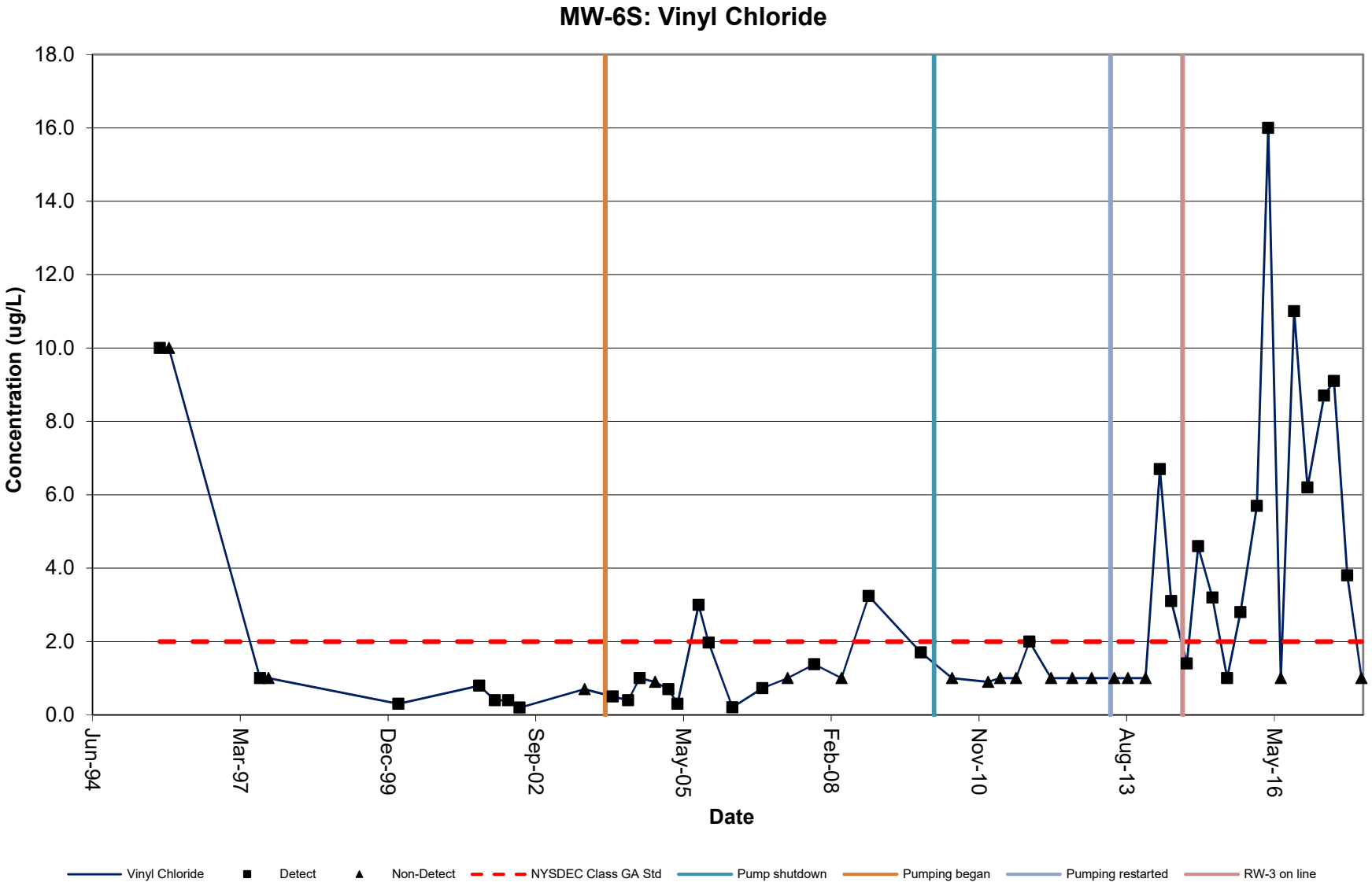

MW-5D: TCE
Concentration (ug/L)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

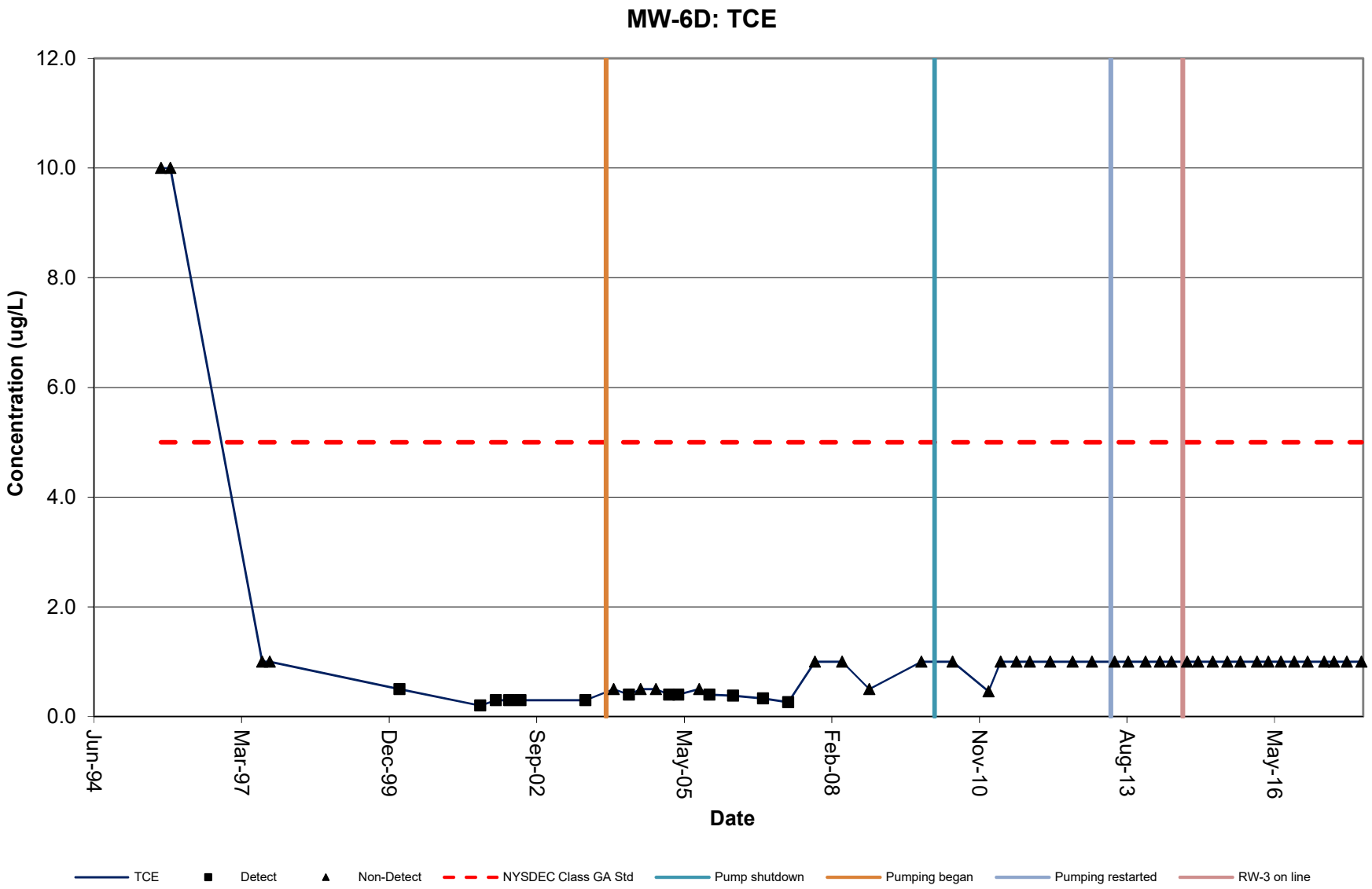

MW-5D: cis-1,2-DCE
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Concentration (ug/L)
Nov-98
Jul-01
Apr-04
Jan-07
Oct-09
Jul-12
Apr-15
Dec-17
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

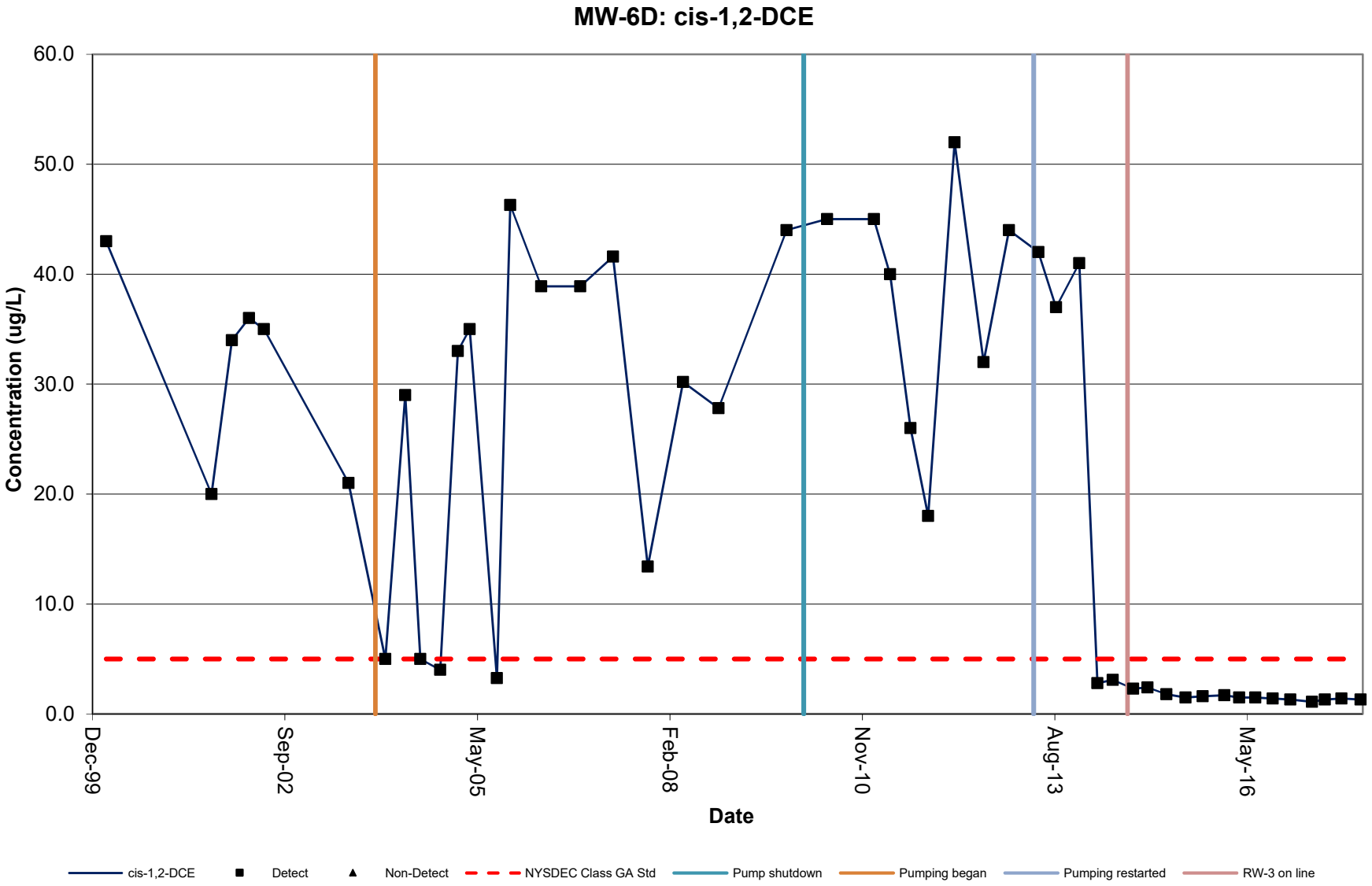

MW-5D: Vinyl Chloride
100.0
10.0
1.0
0.1
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

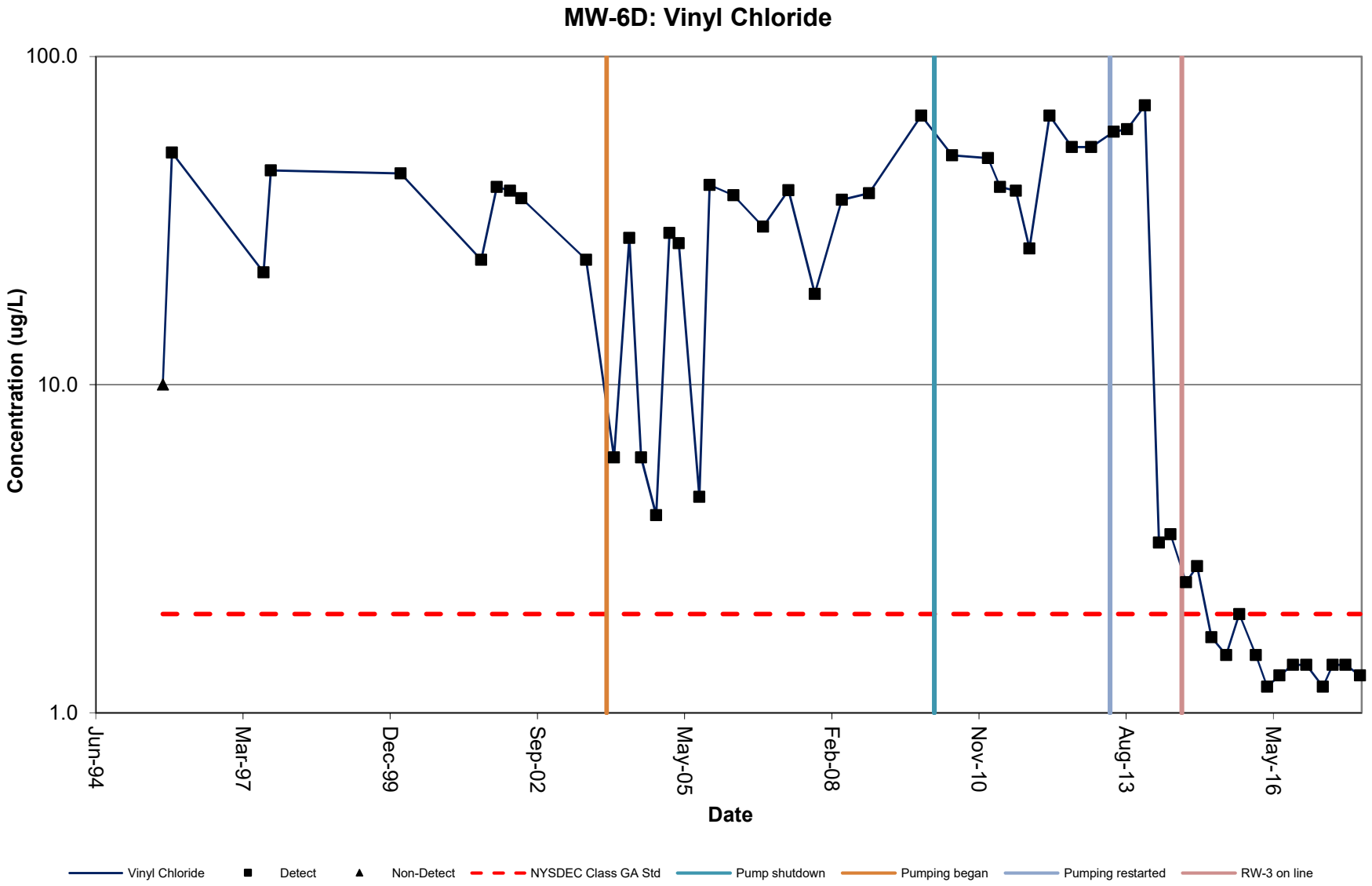

MW-6S: TCE
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

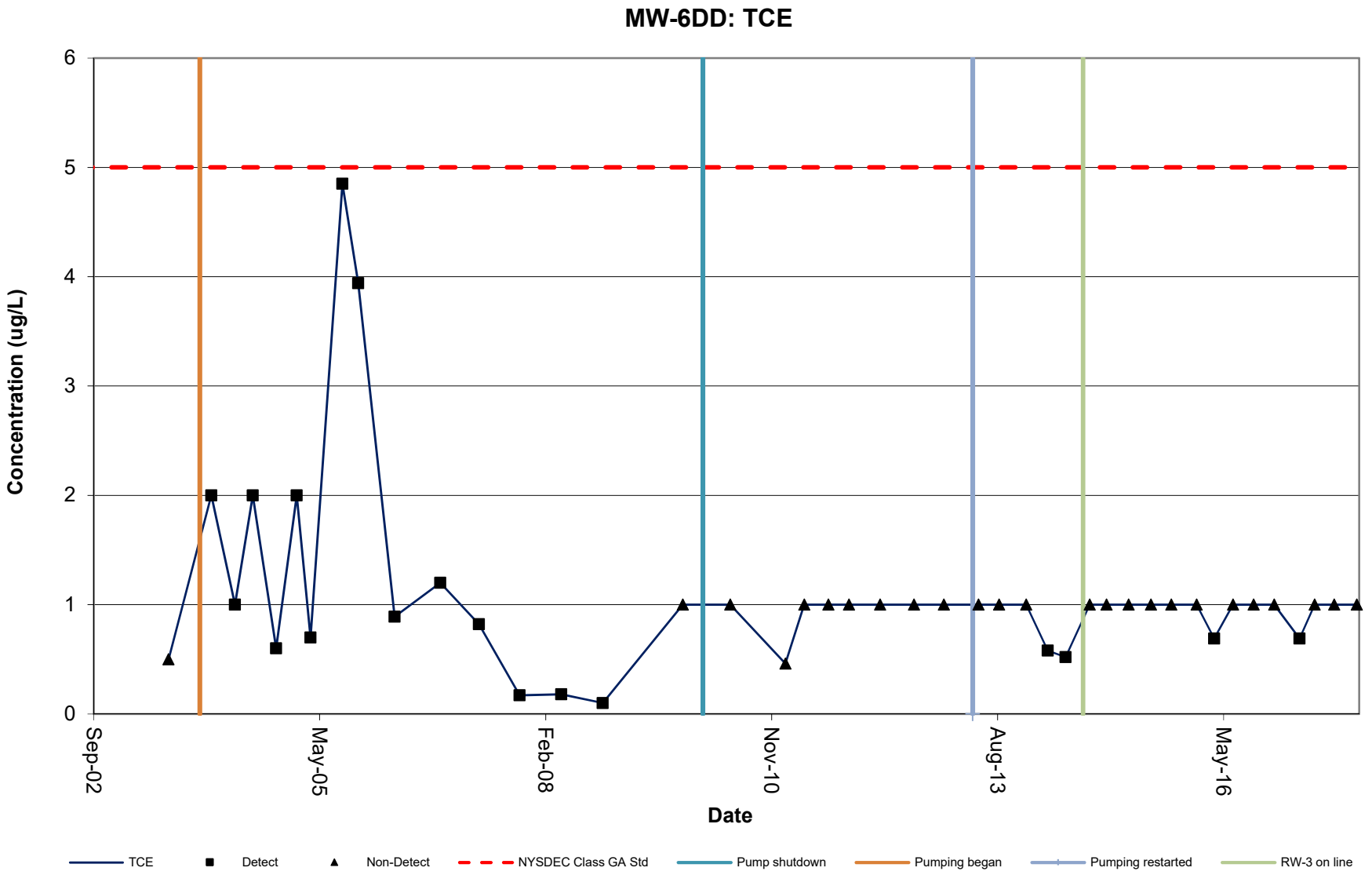

MW-6S: cis-1,2-DCE
Concentration (ug/L)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Nov-98
Jul-01
Apr-04
Jan-07
Oct-09
Jul-12
Apr-15
Dec-17
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

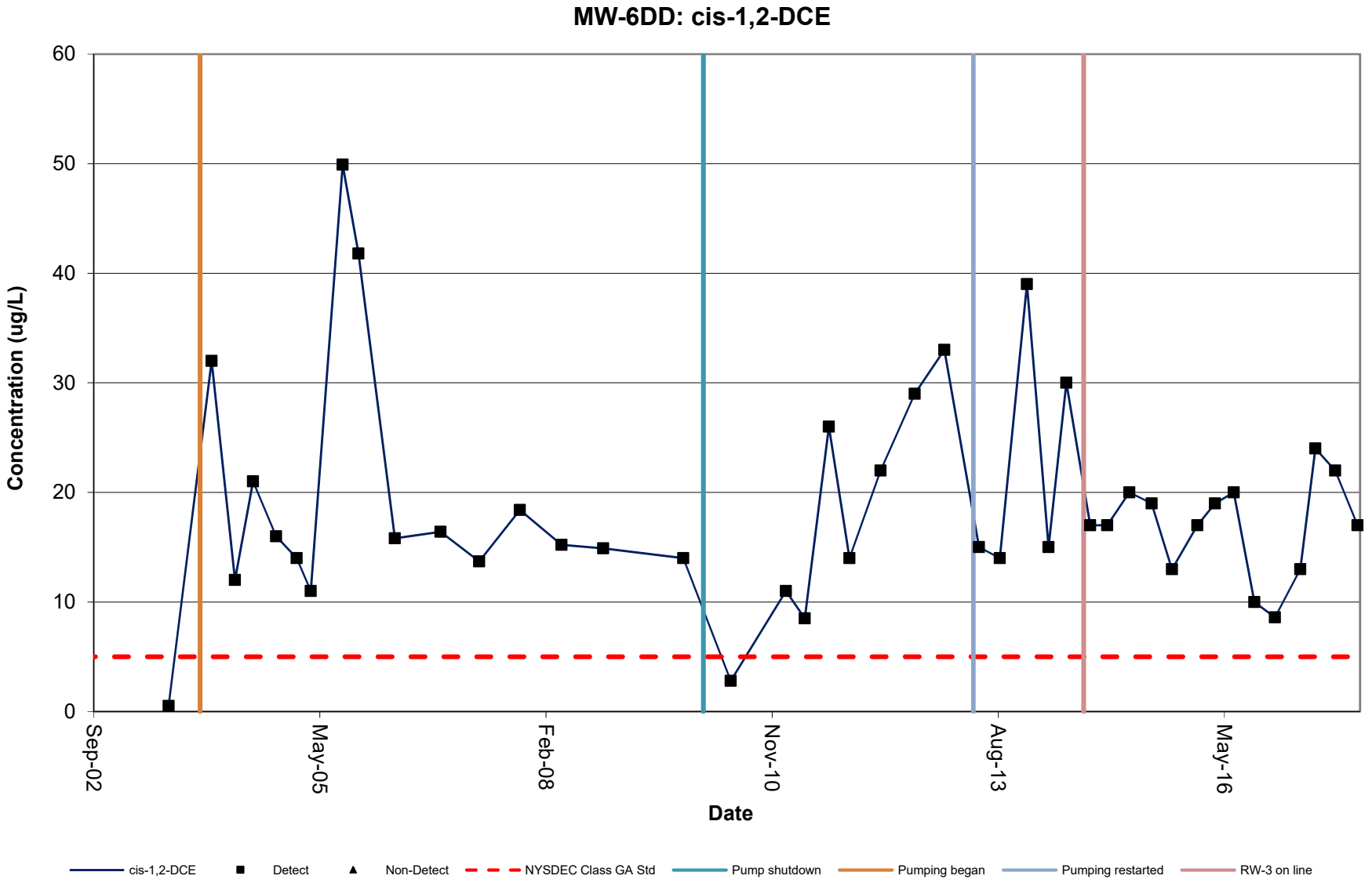

MW-6S: Vinyl Chloride
Concentration (ug/L)
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

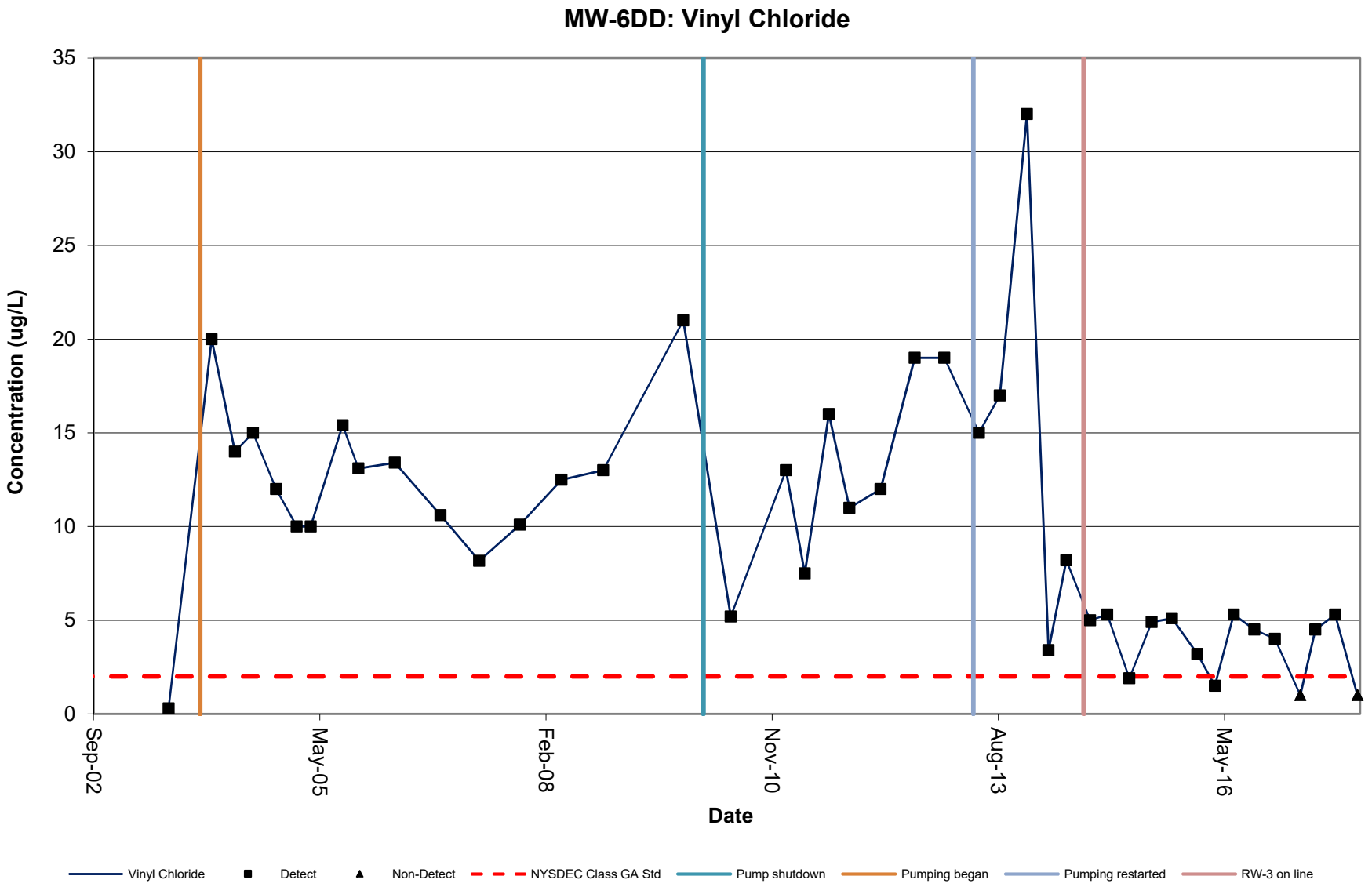

MW-6D: TCE
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

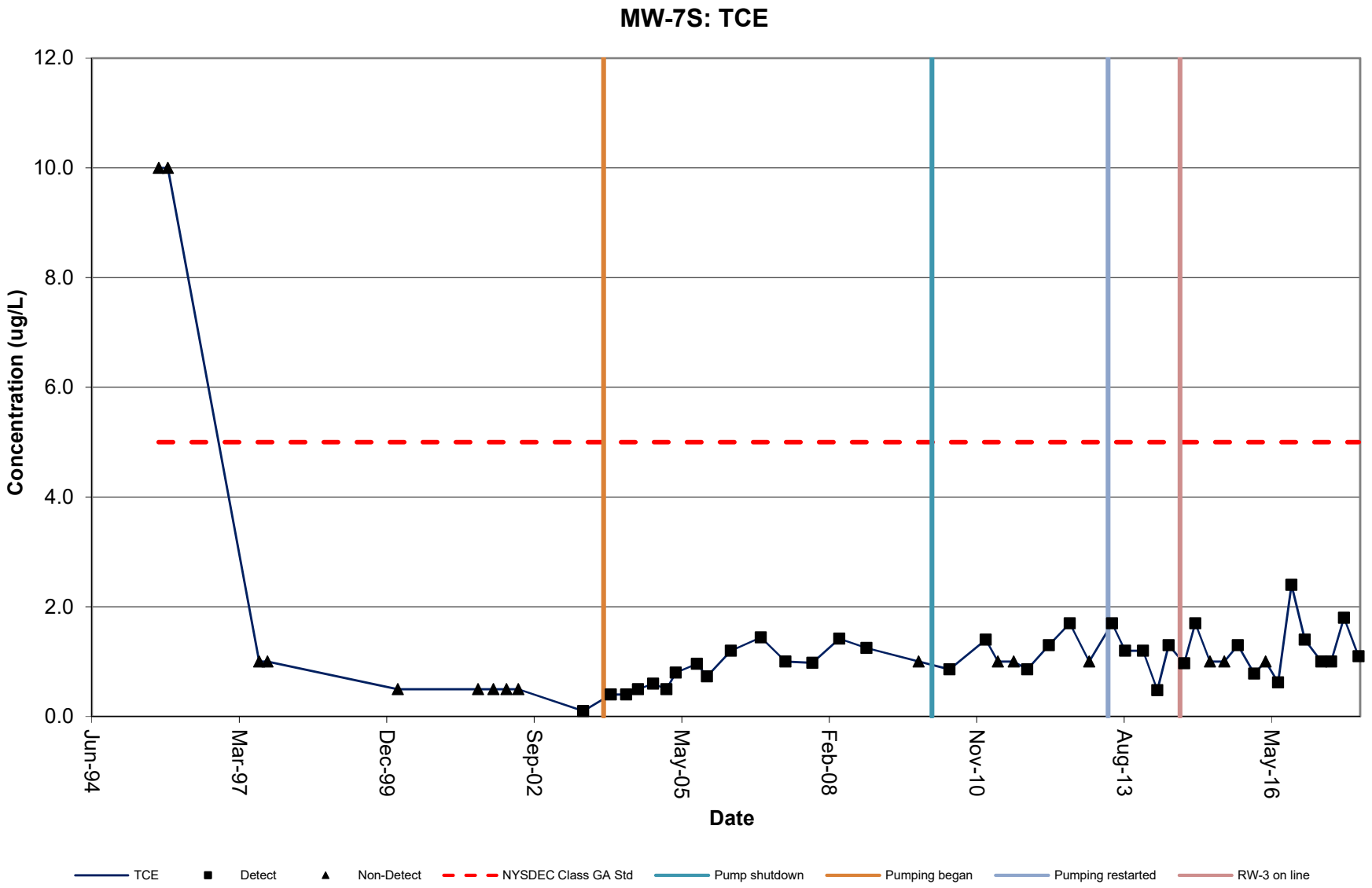

MW-6D: cis-1,2-DCE
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Concentration (ug/L)
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

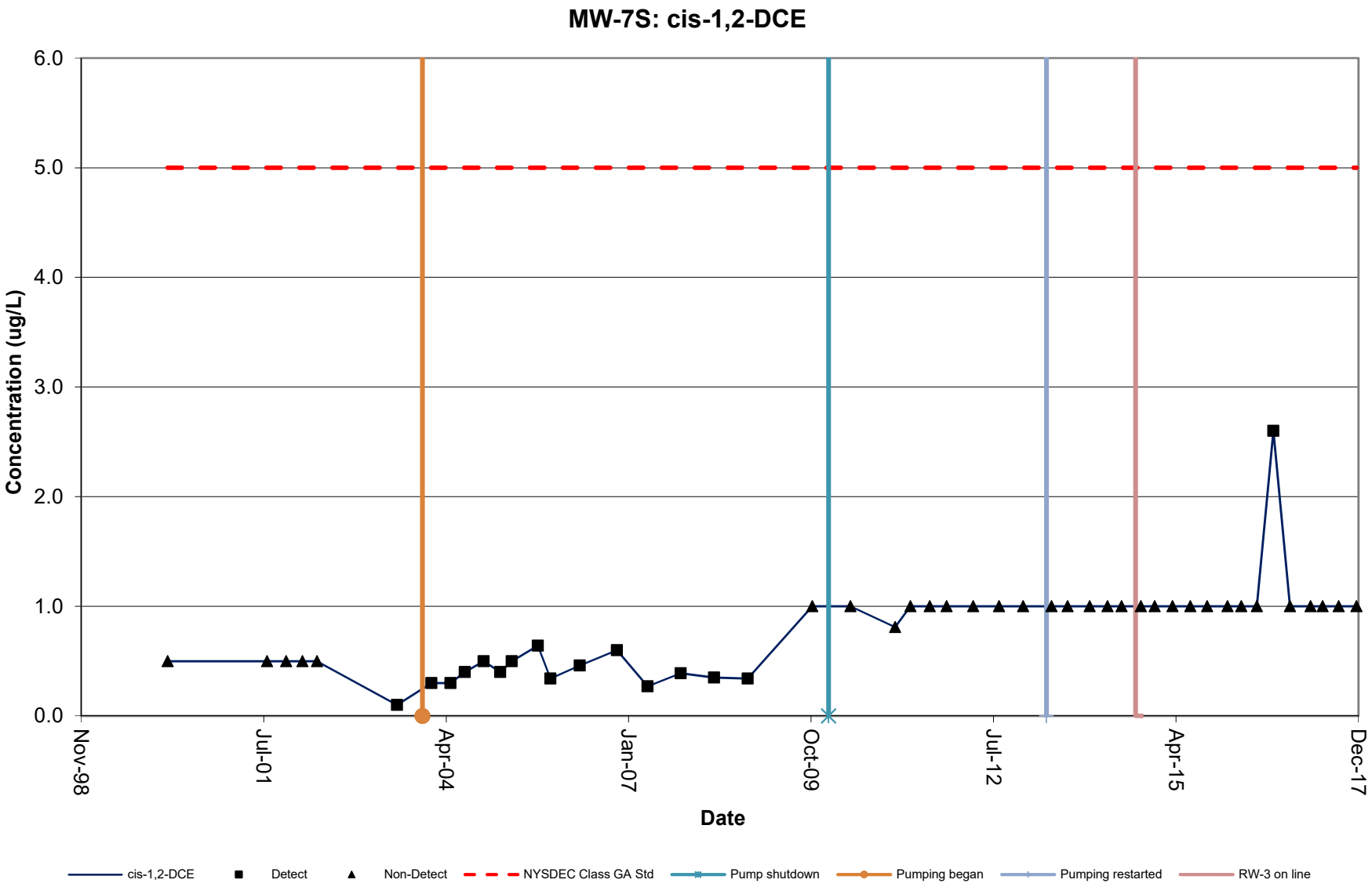

MW-6D: Vinyl Chloride
100.0
10.0
1.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

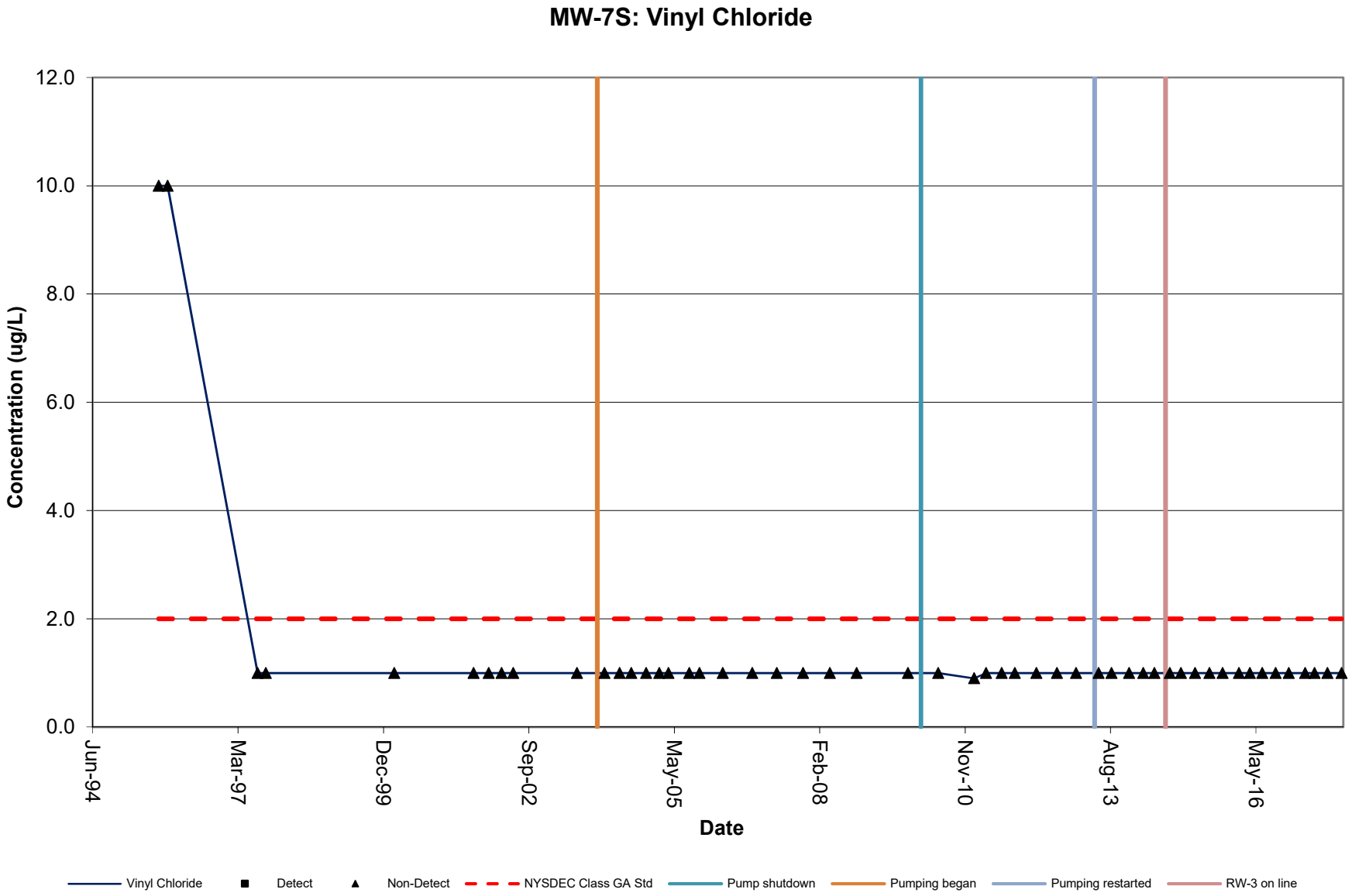

MW-6DD: TCE
Concentration (ug/L)
6
5
4
3
2
1
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

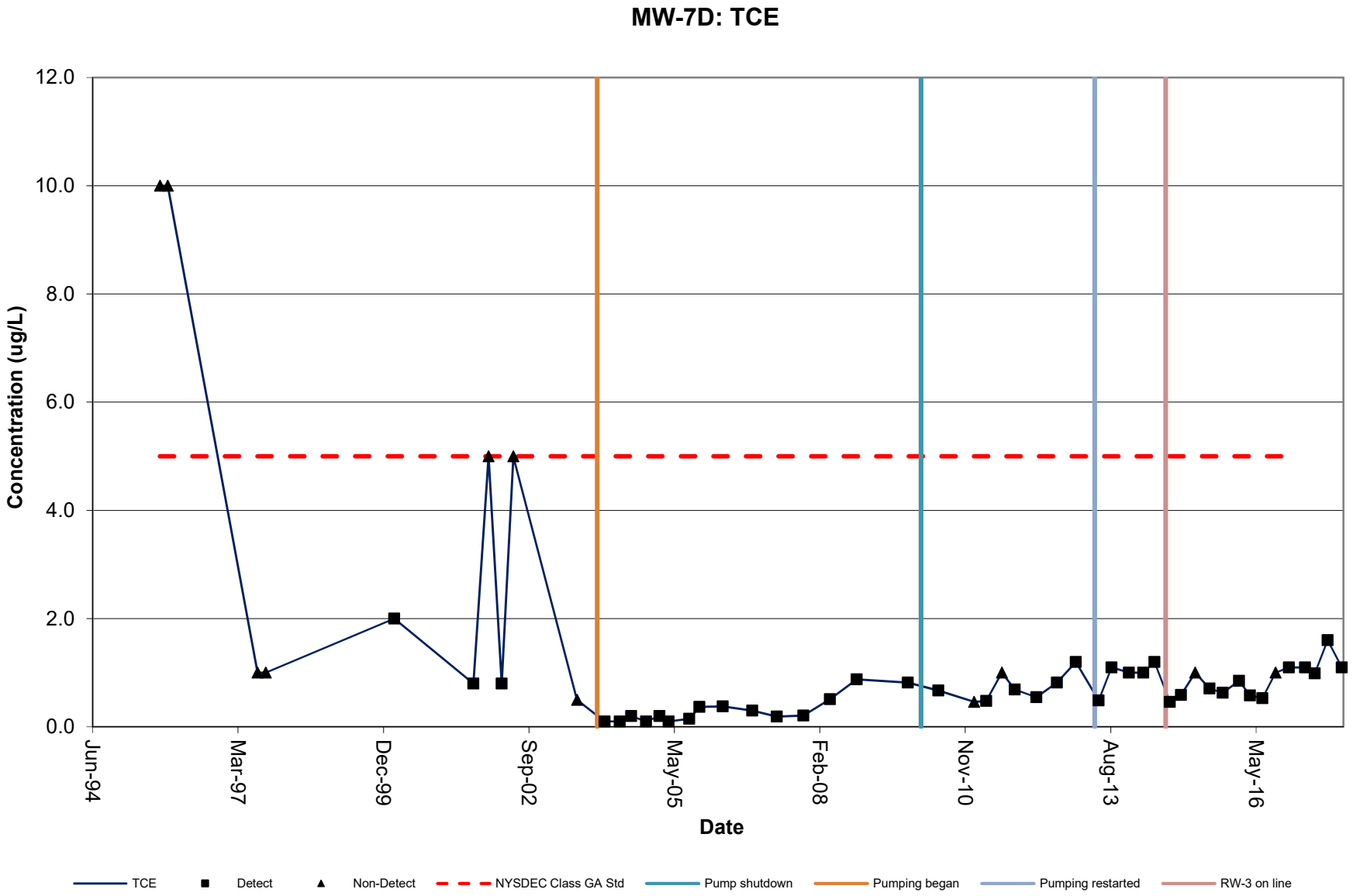

MW-6DD: cis-1,2-DCE
Concentration (ug/L)
60
50
40
30
20
10
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

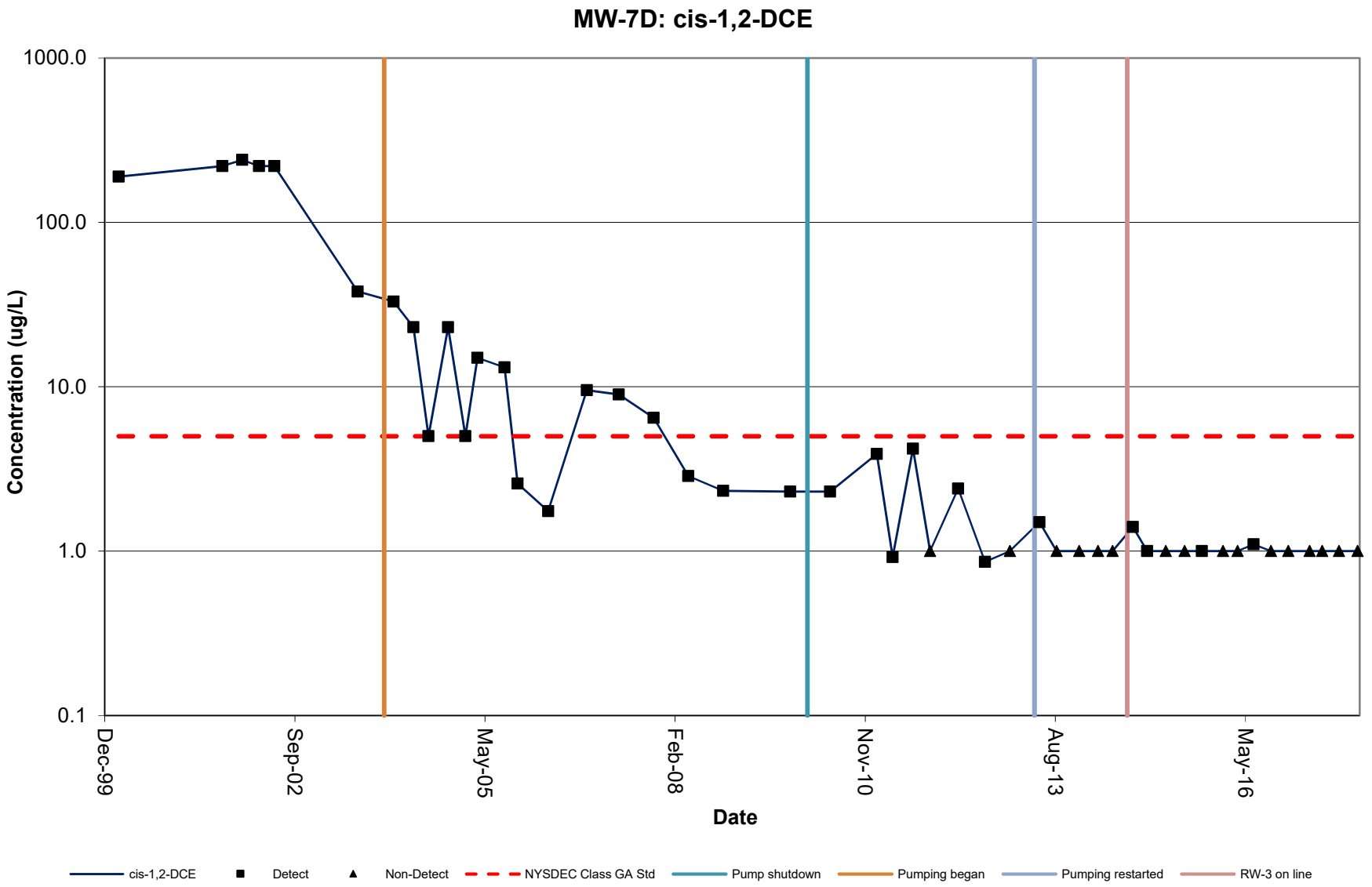

MW-6DD: Vinyl Chloride
Concentration (ug/L)
35
30
25
20
15
10
5
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

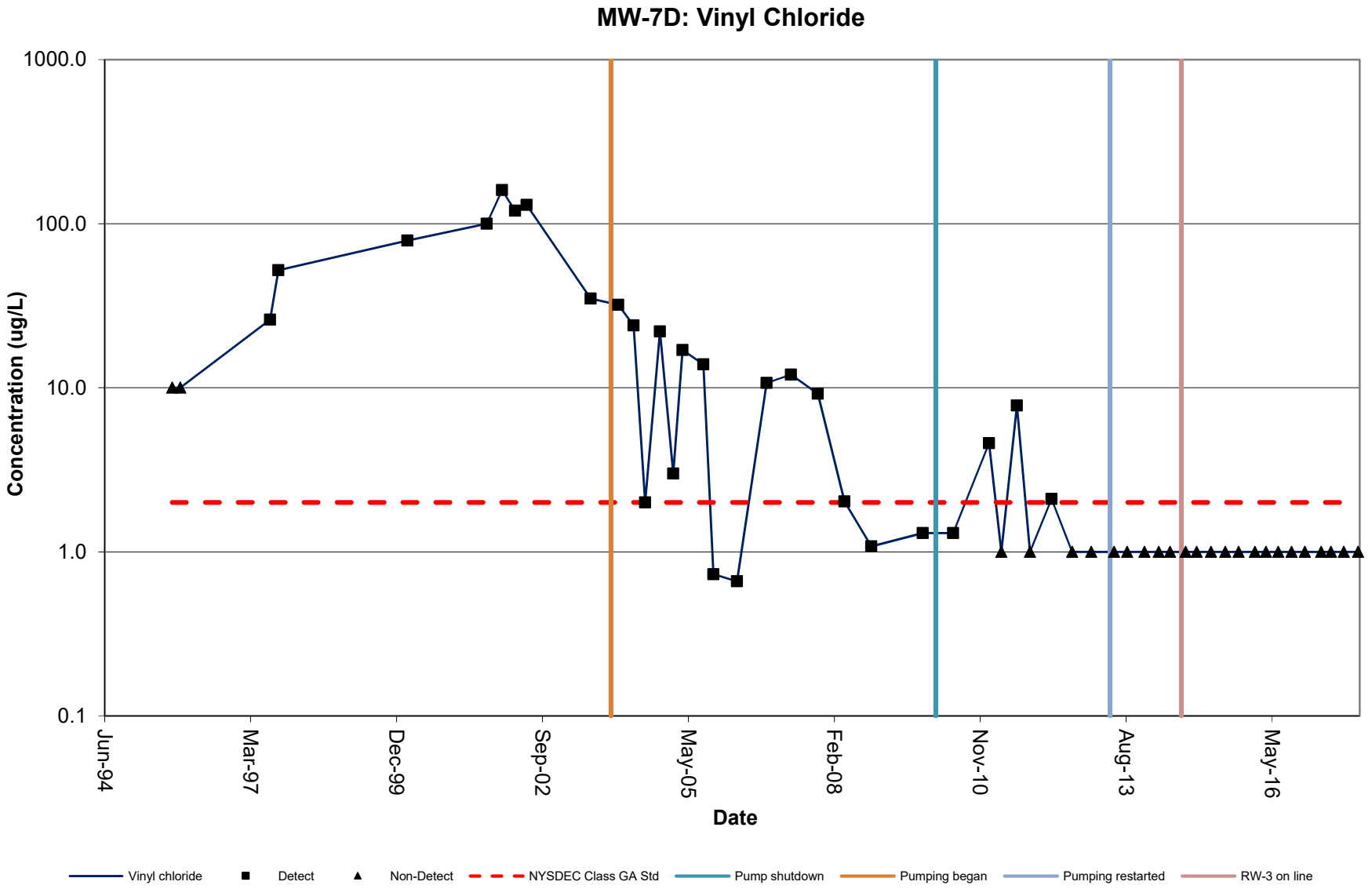

MW-7S: TCE
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

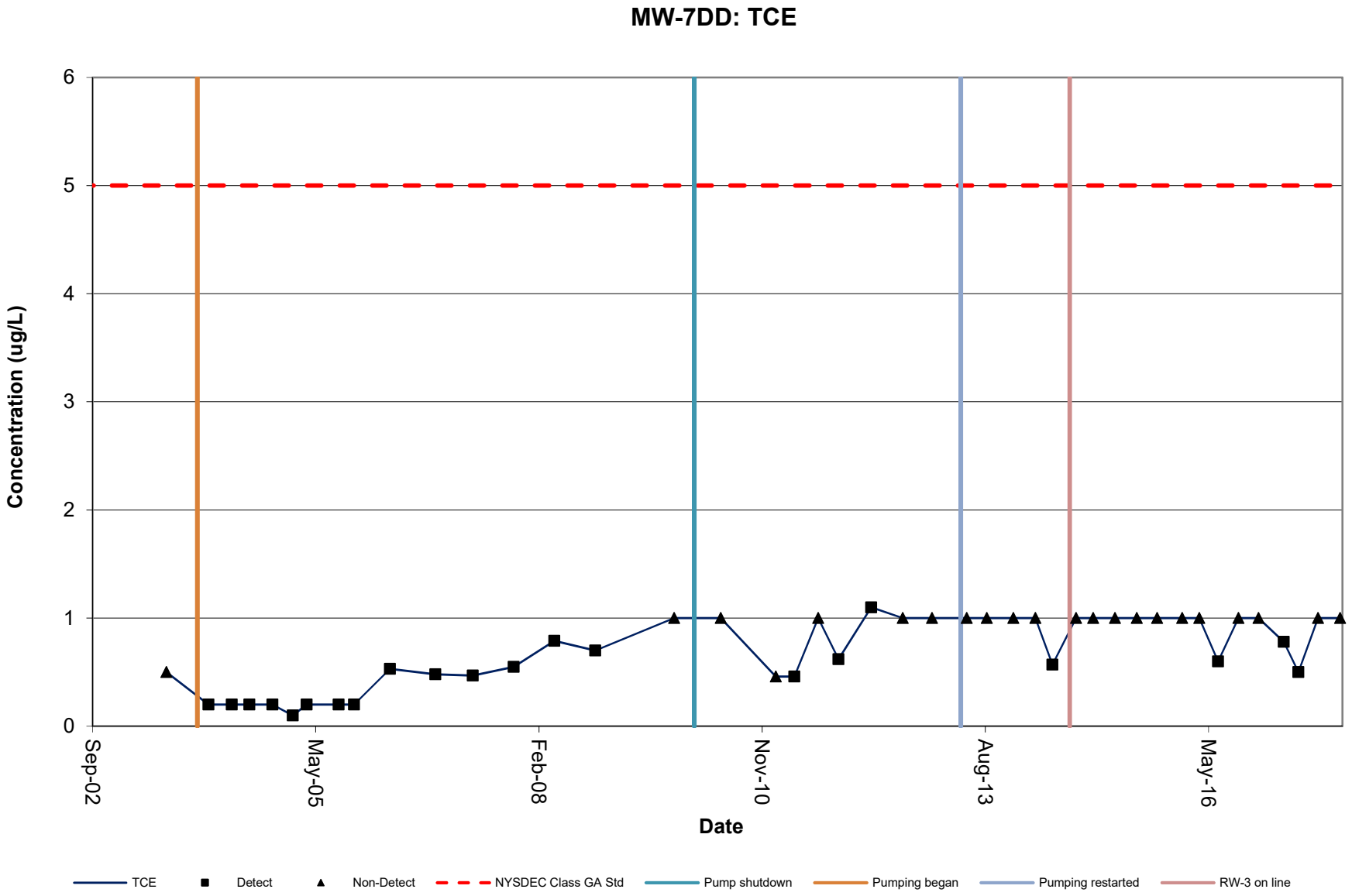

MW-7S: cis-1,2-DCE
Concentration (ug/L)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Nov-98
Jul-01
Apr-04
Jan-07
Oct-09
Jul-12
Apr-15
Dec-17
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

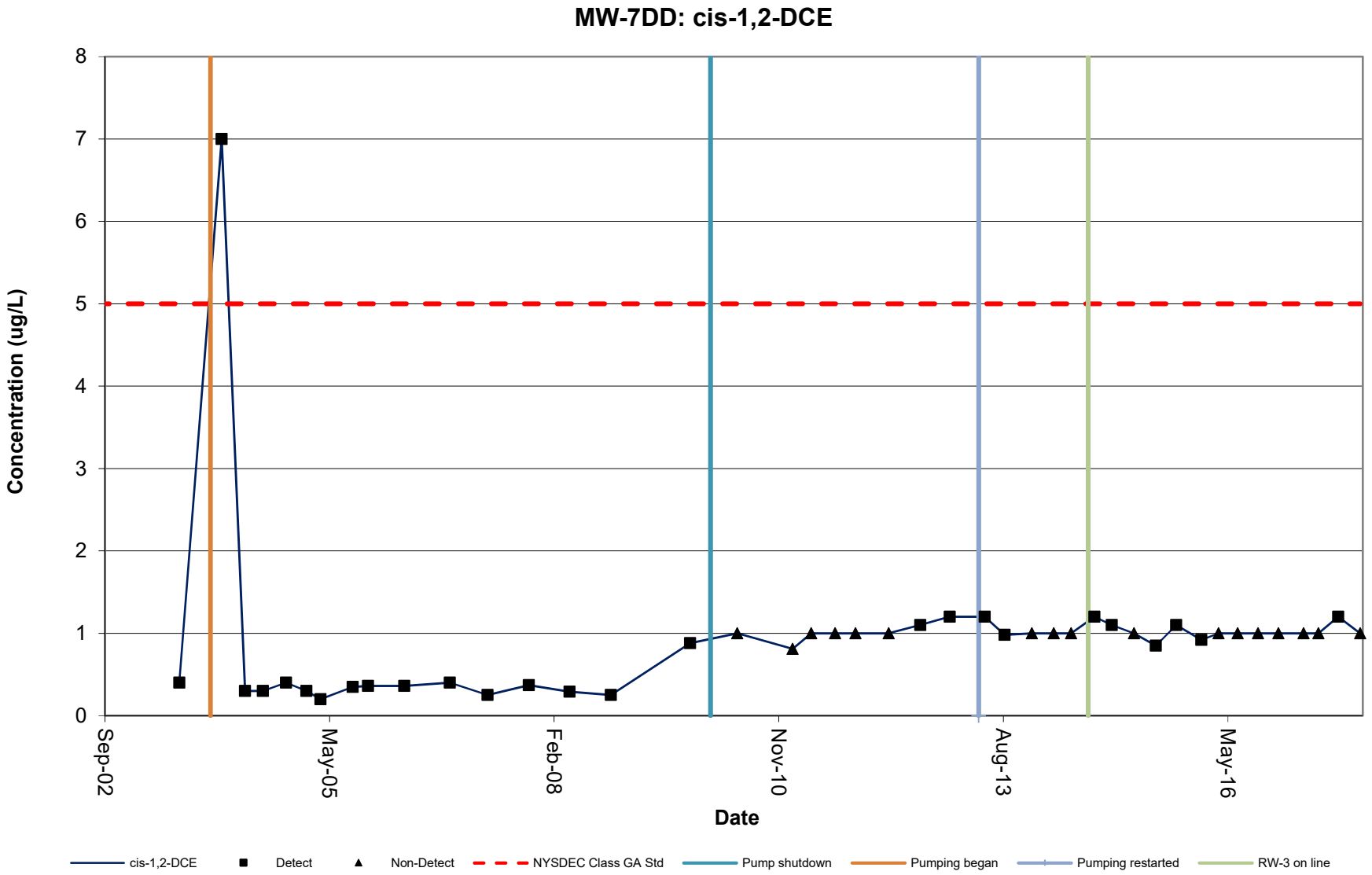

MW-7S: Vinyl Chloride
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

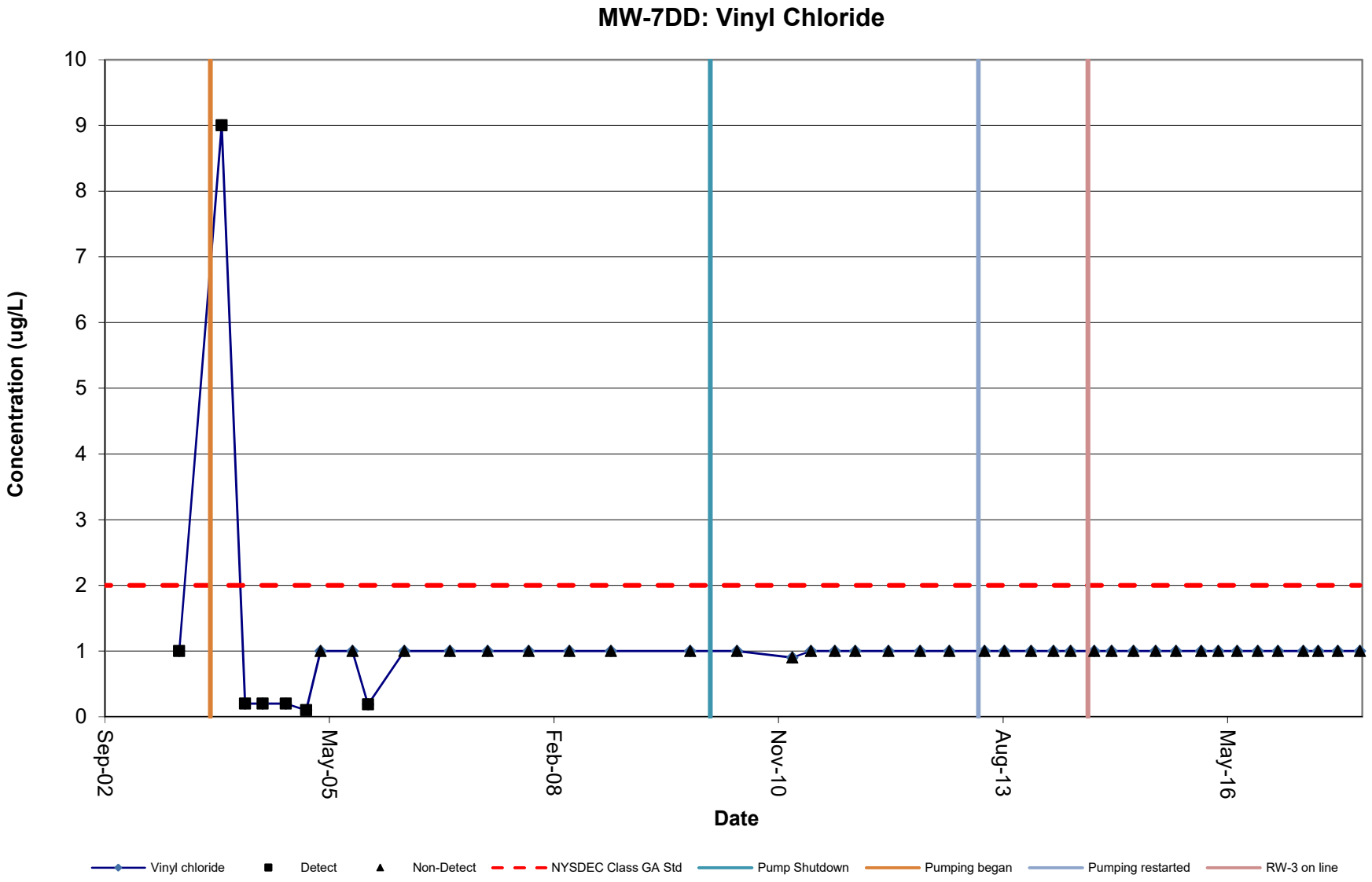

MW-7D: TCE
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

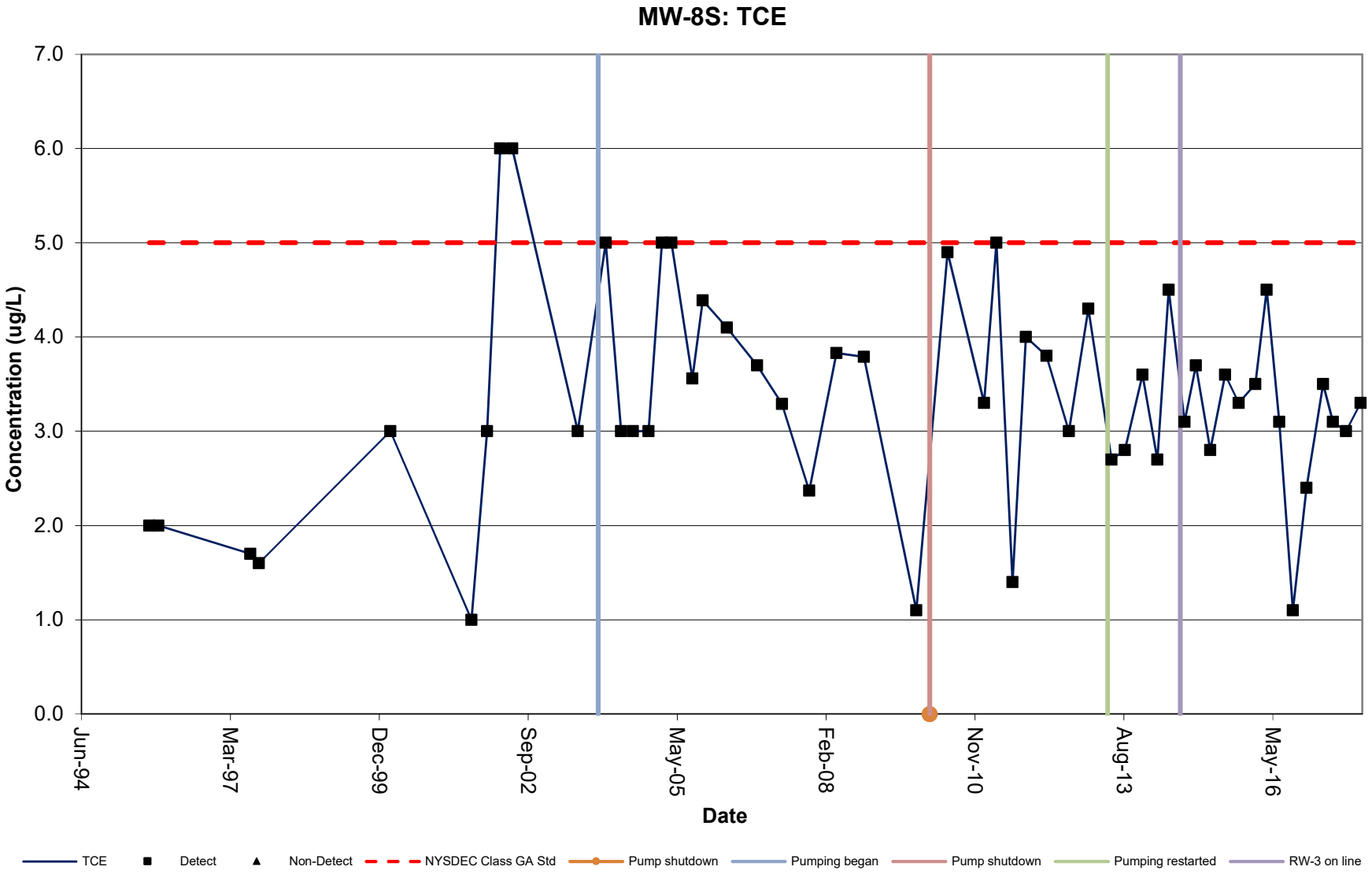

MW-7D: cis-1,2-DCE
1000.0
100.0
10.0
1.0
0.1
Concentration (ug/L)
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

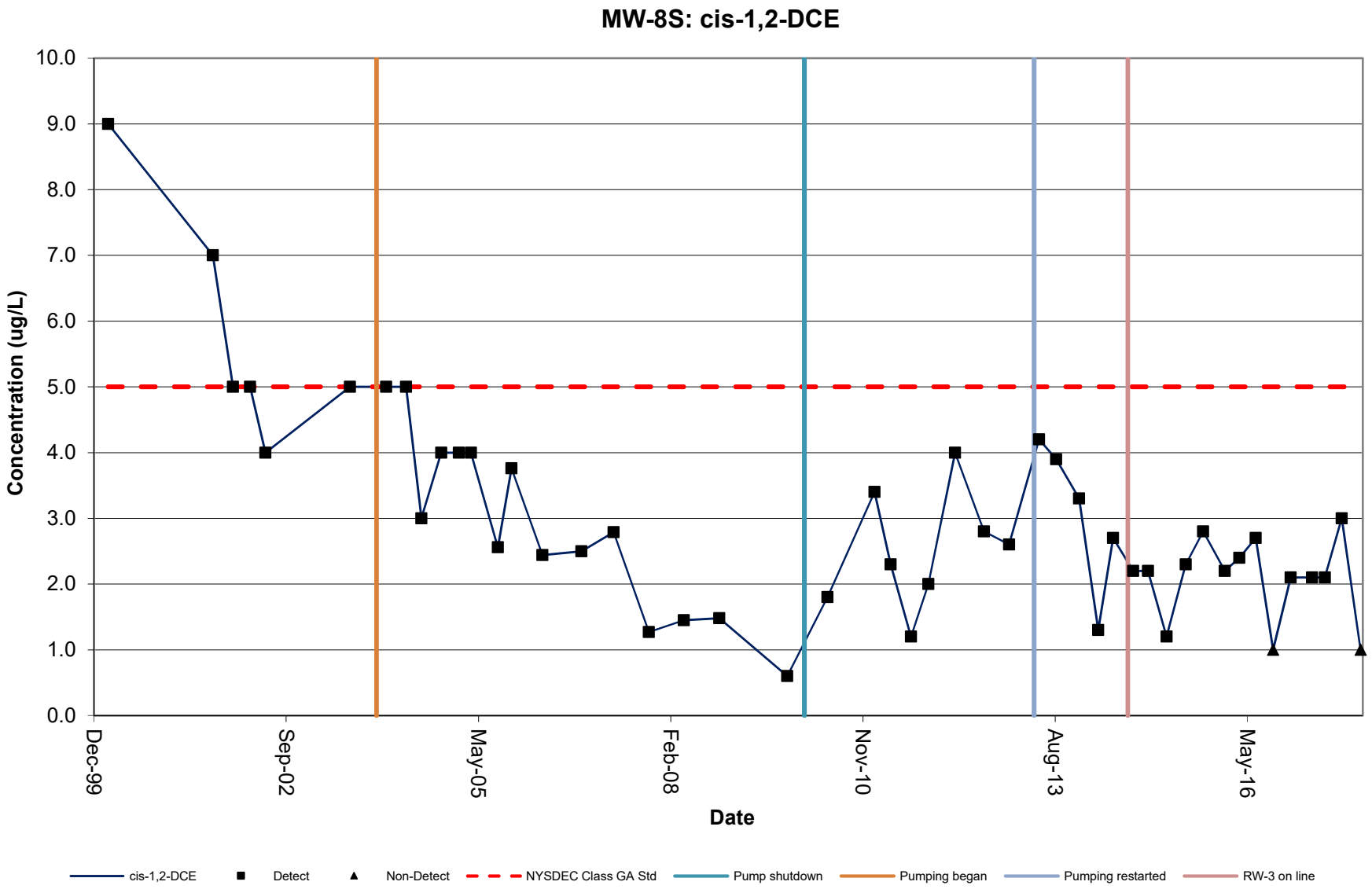

MW-7D: Vinyl Chloride
1000.0
100.0
10.0
1.0
0.1
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

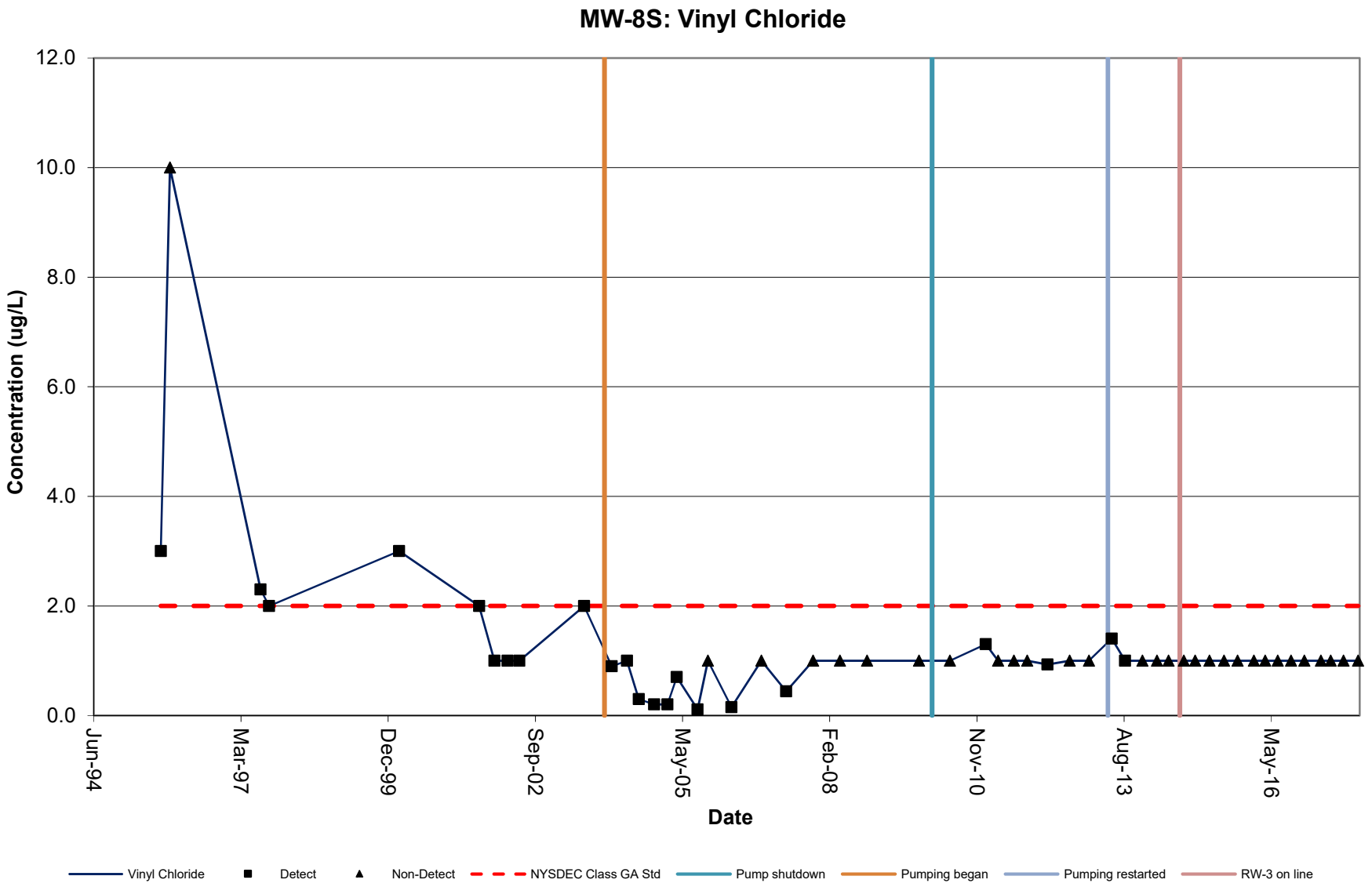

MW-7DD: TCE
Concentration (ug/L)
6
5
4
3
2
1
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

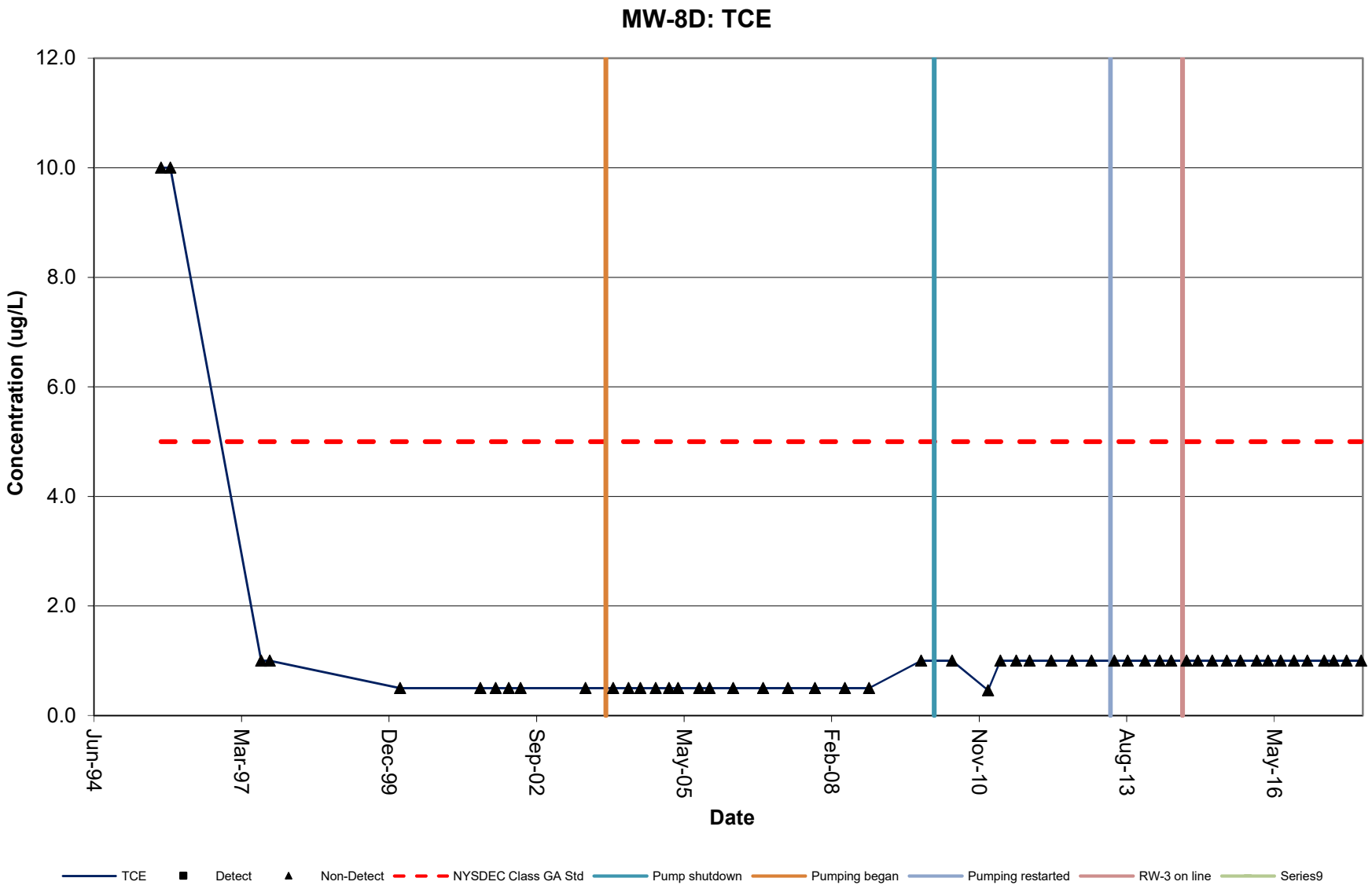

MW-7DD: cis-1,2-DCE
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

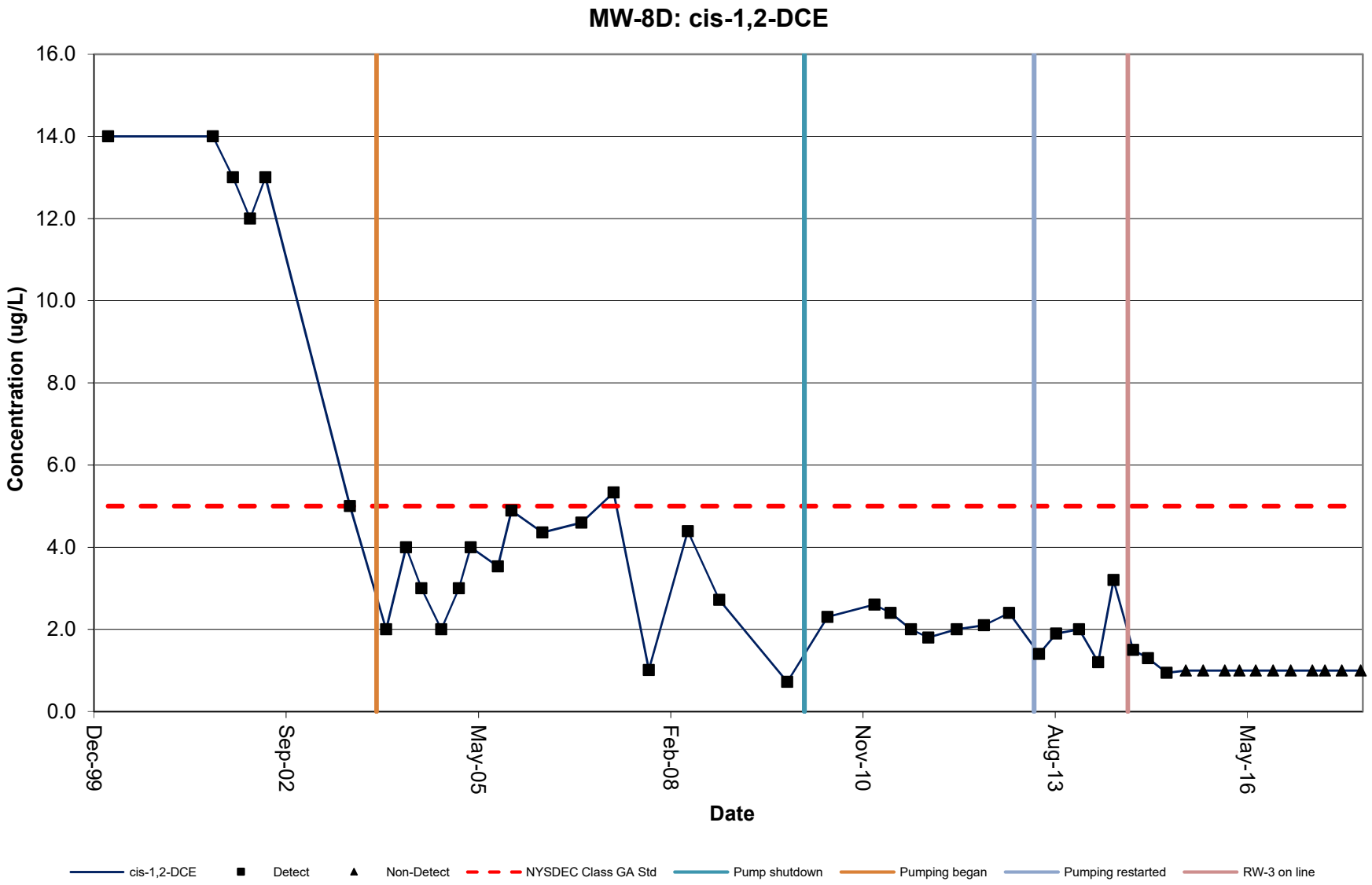

MW-7DD: Vinyl Chloride
Concentration (ug/L)
10
9
8
7
6
5
4
3
2
1
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump Shutdown
Pumping began
Pumping restarted
RW-3 on line

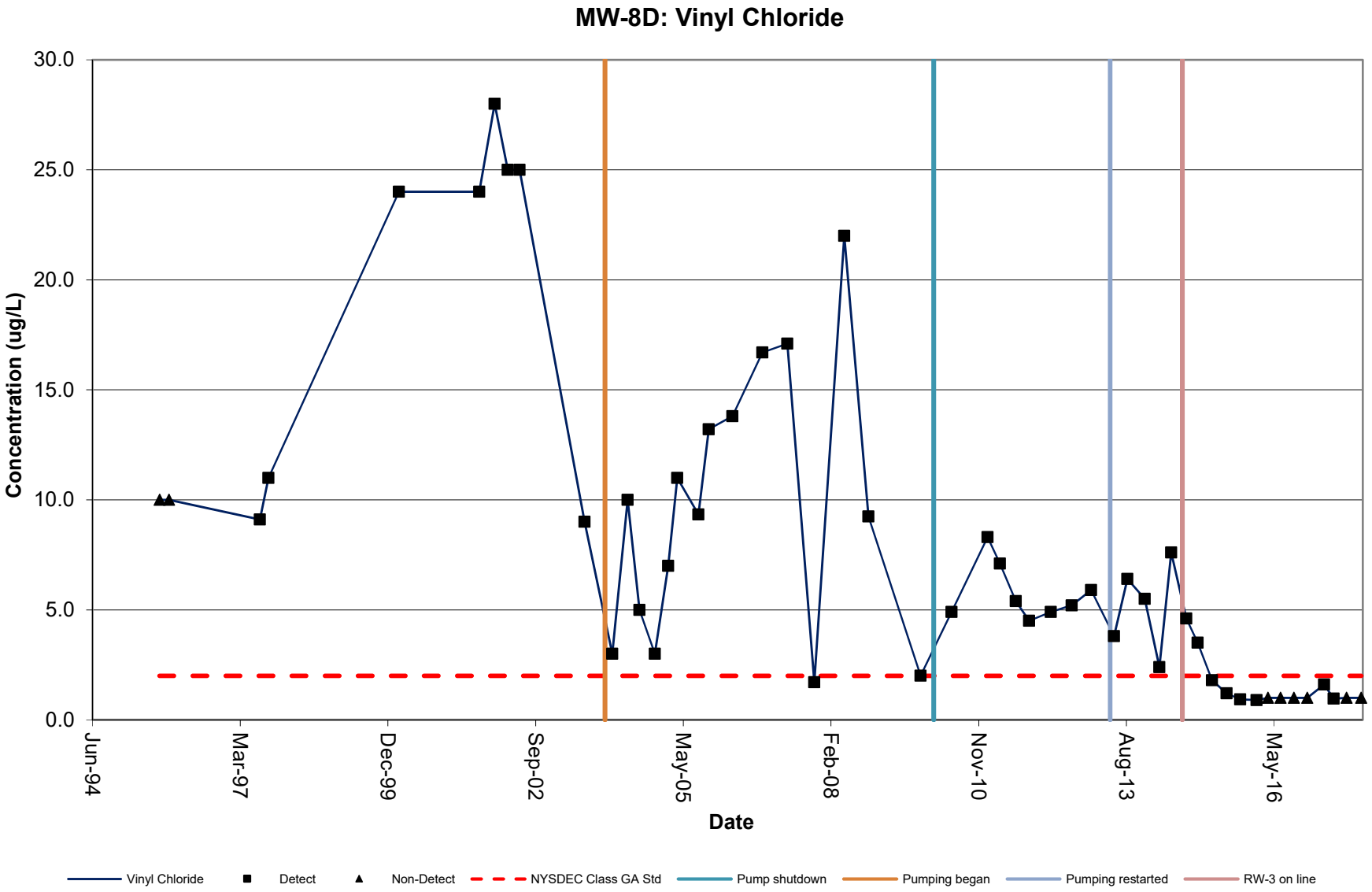

MW-8S: TCE
Concentration (ug/L)
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pump shutdown
Pumping restarted
RW-3 on line

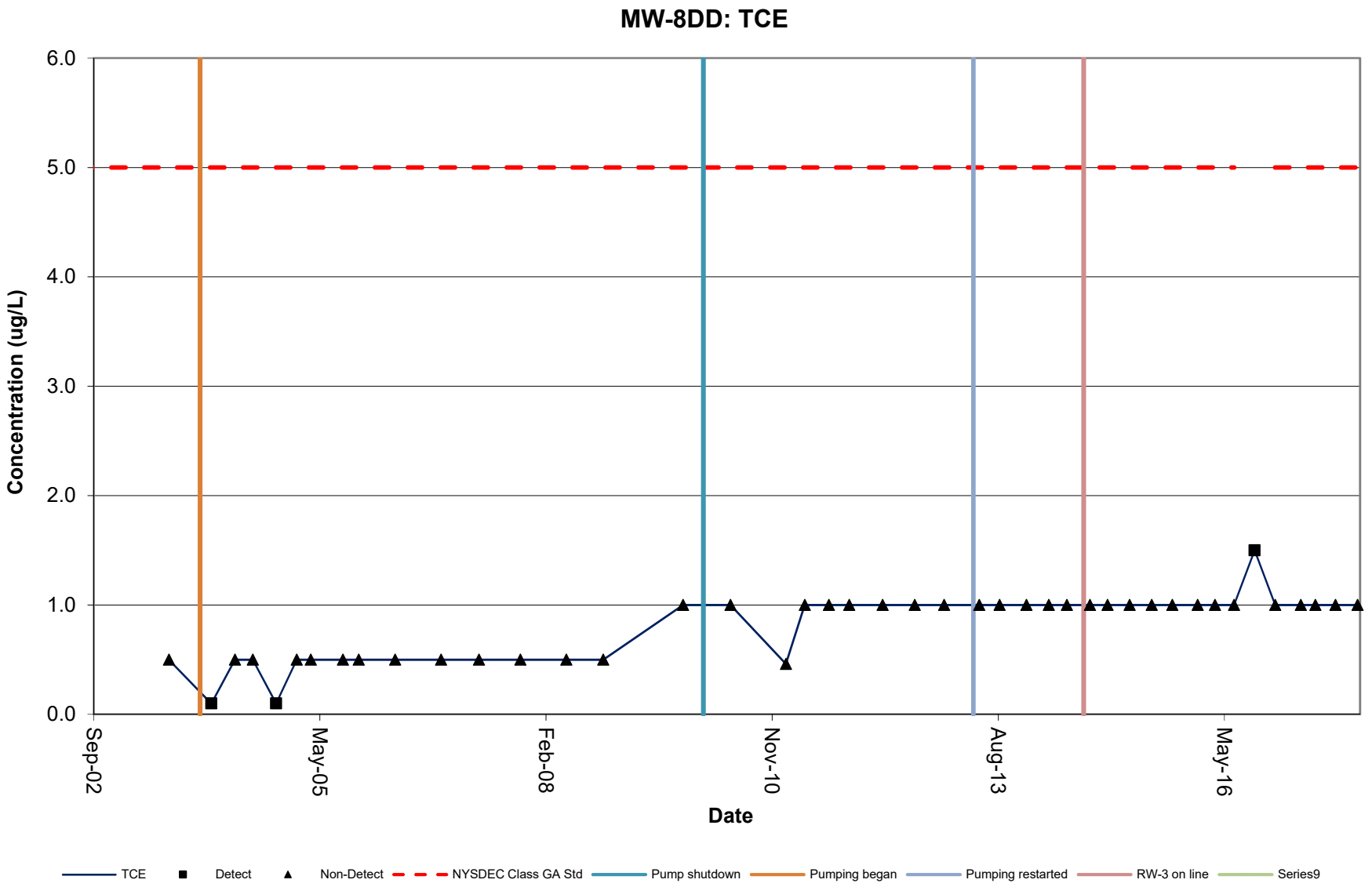

MW-8S: cis-1,2-DCE
Concentration (ug/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

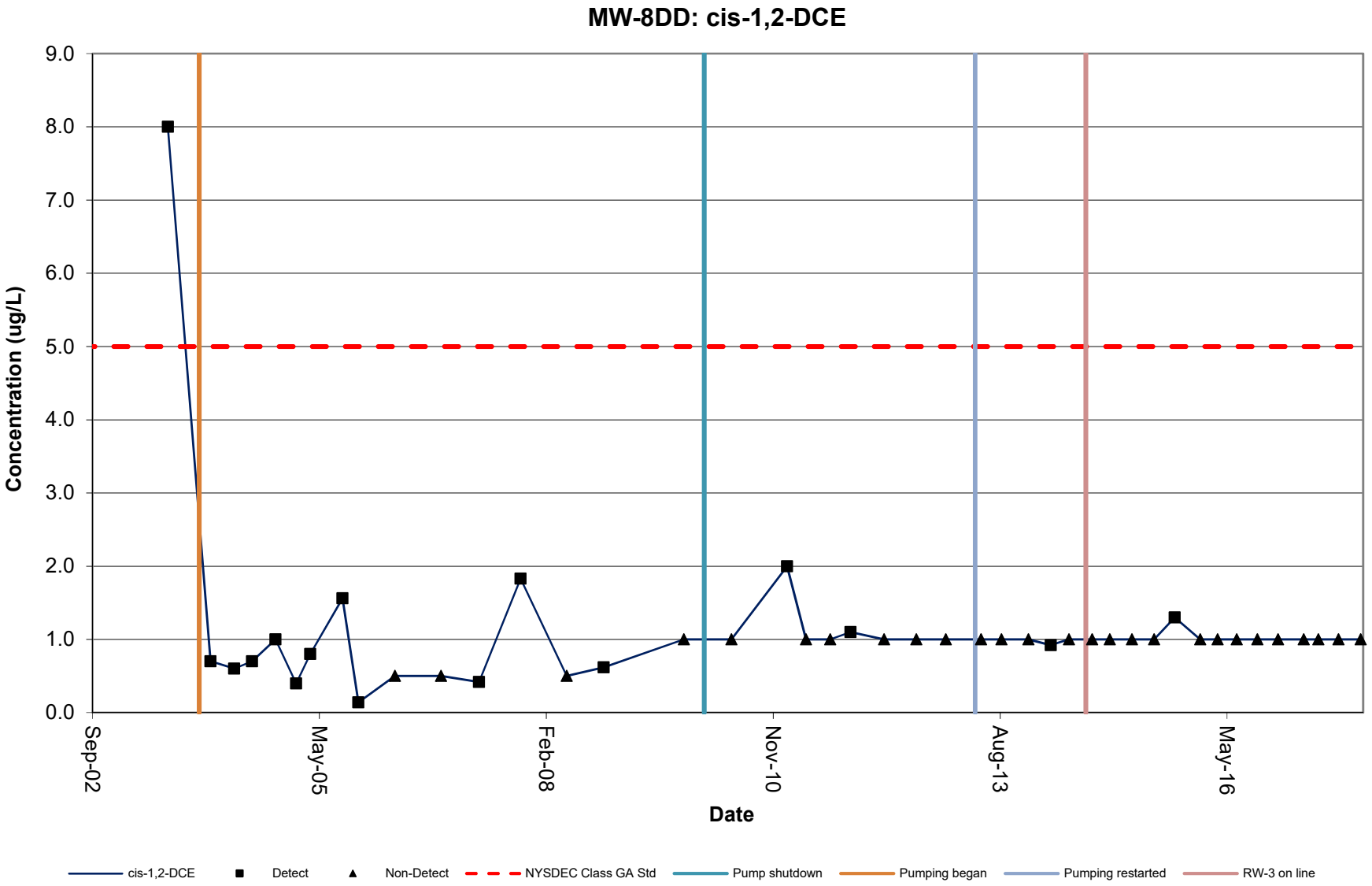

MW-8S: Vinyl Chloride
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

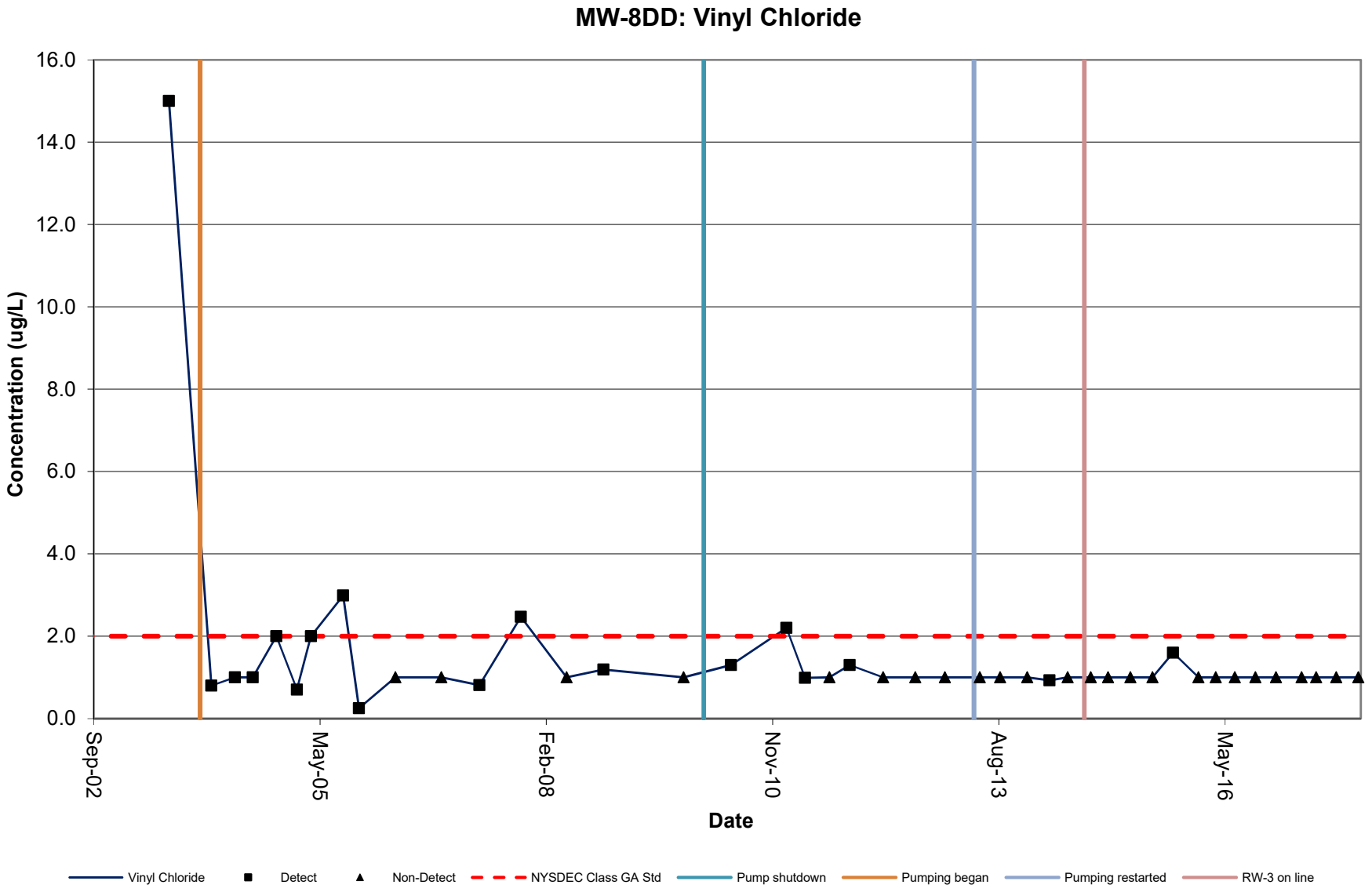

MW-8D: TCE
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line
Series9

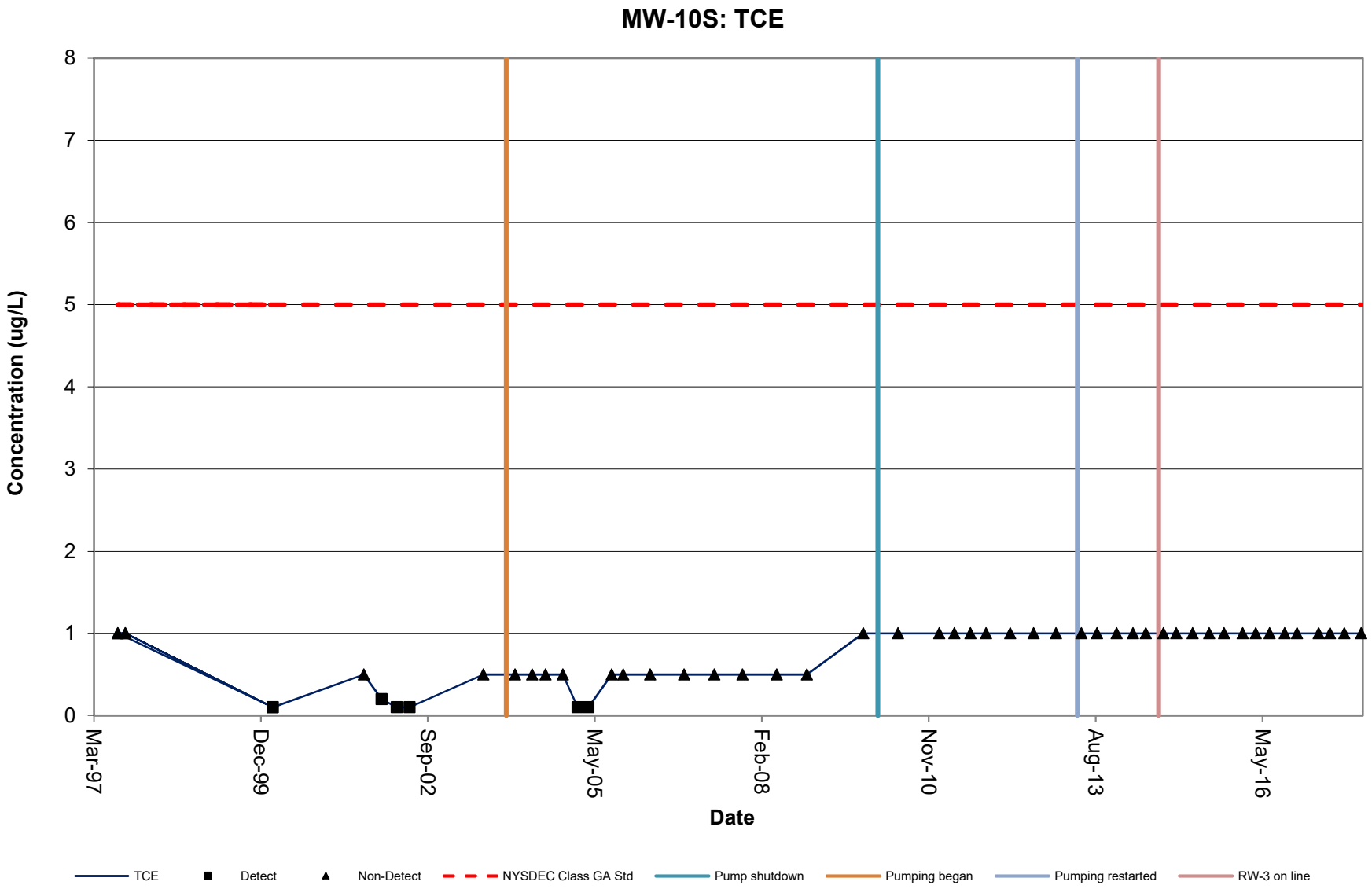

MW-8D: cis-1,2-DCE
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

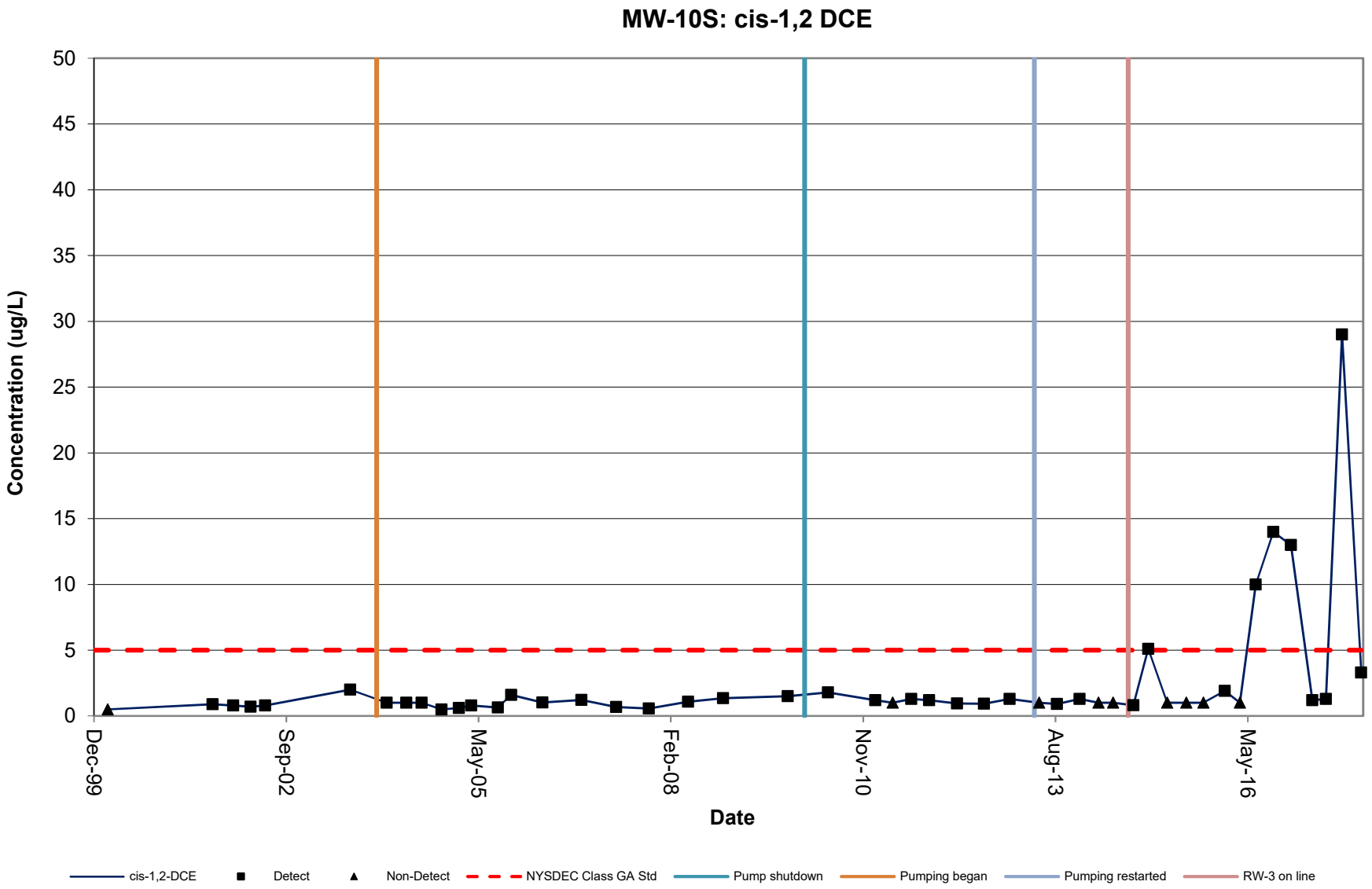

MW-8D: Vinyl Chloride
Concentration (ug/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

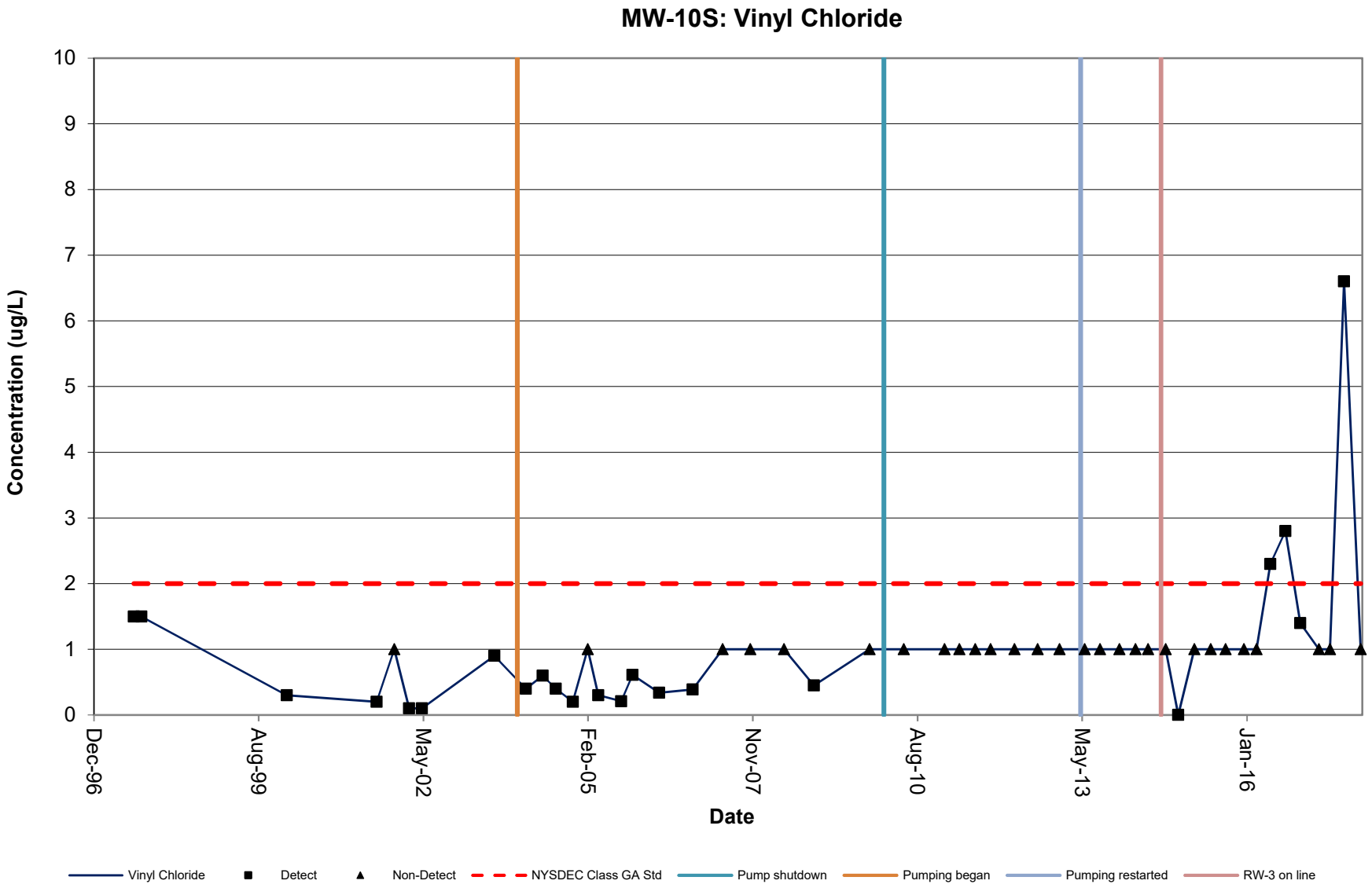

MW-8DD: TCE
Concentration (ug/L)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line
Series9

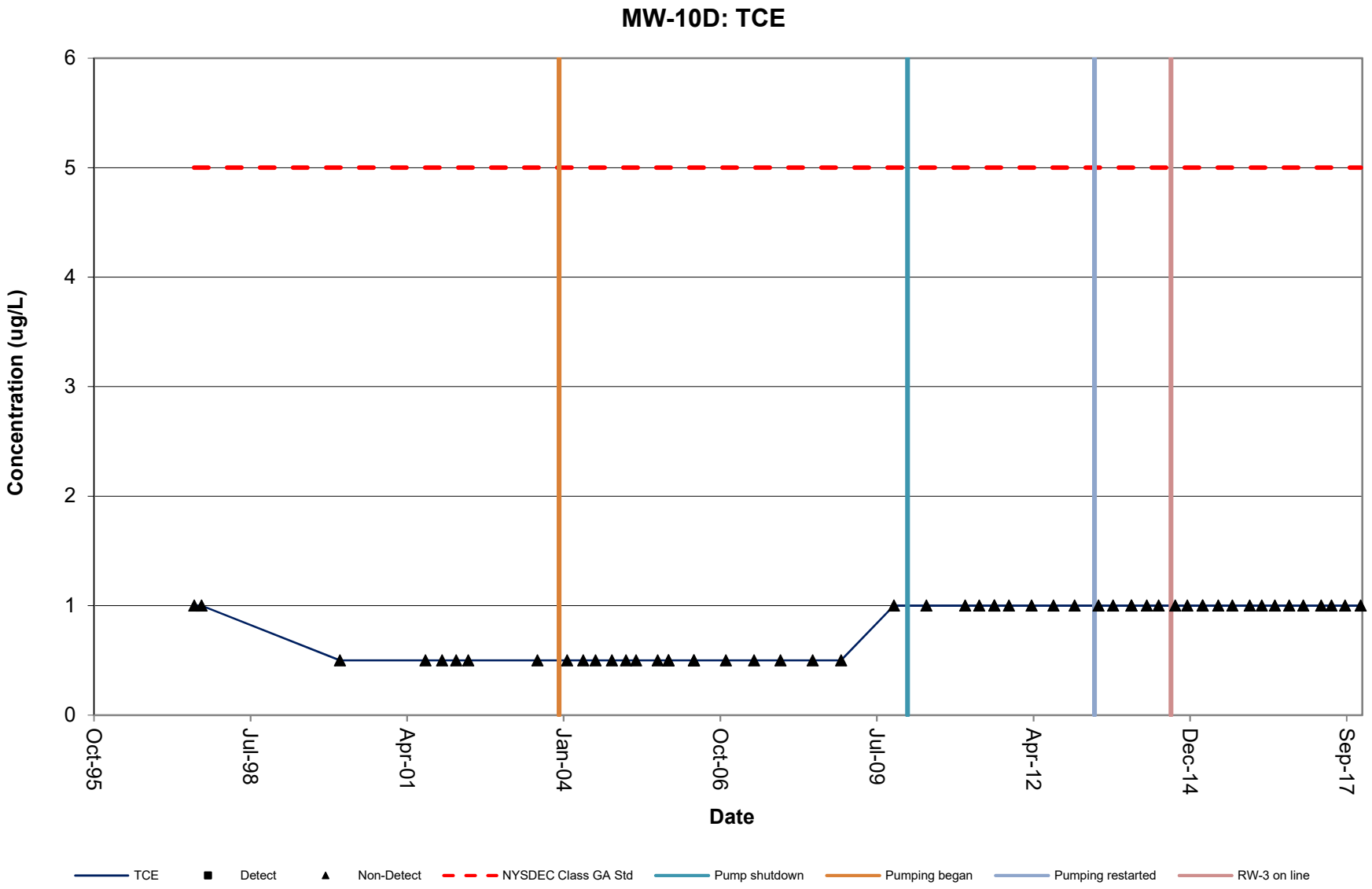

MW-8DD: cis-1,2-DCE
Concentration (ug/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

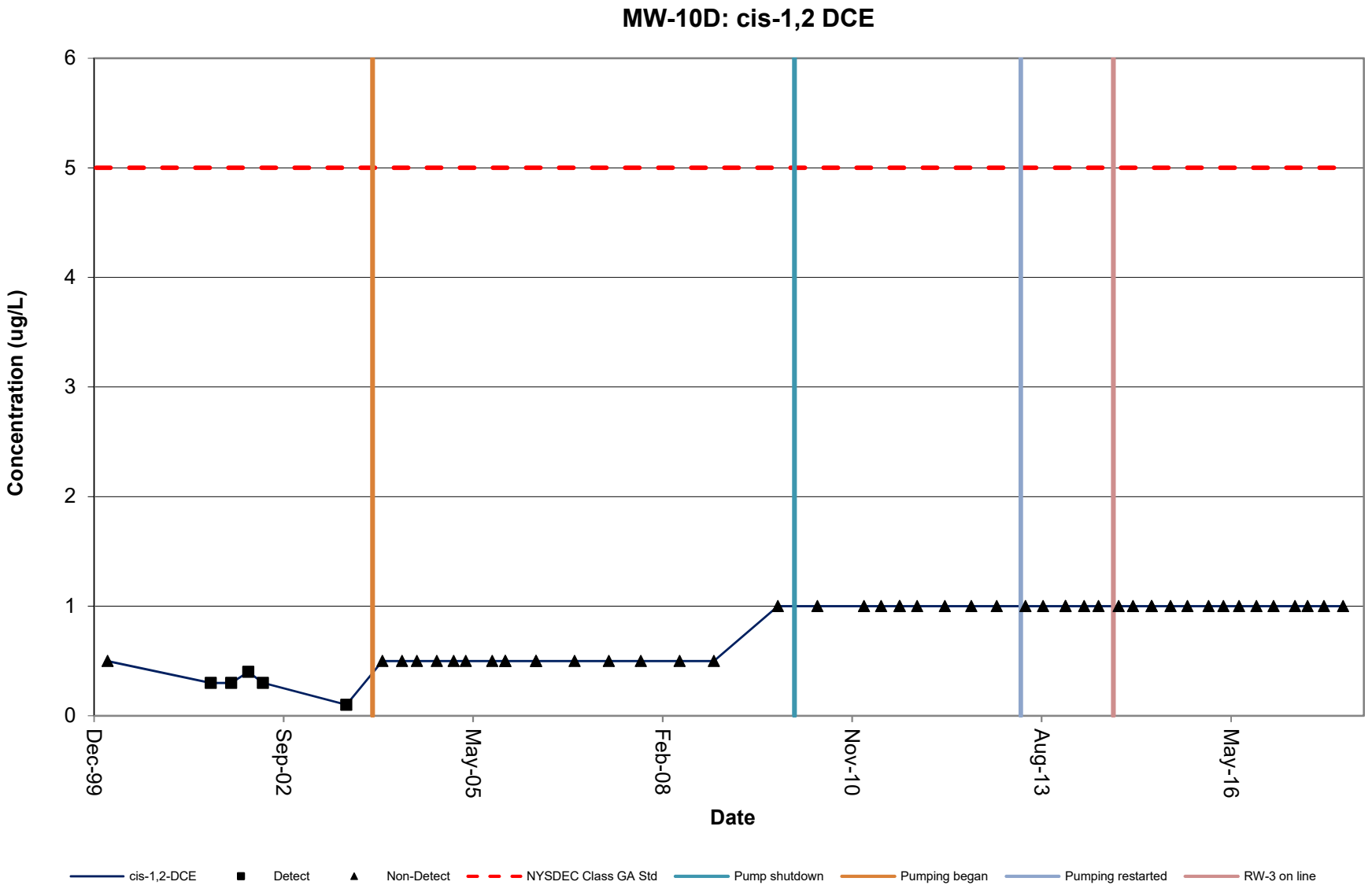

MW-8DD: Vinyl Chloride
Concentration (ug/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

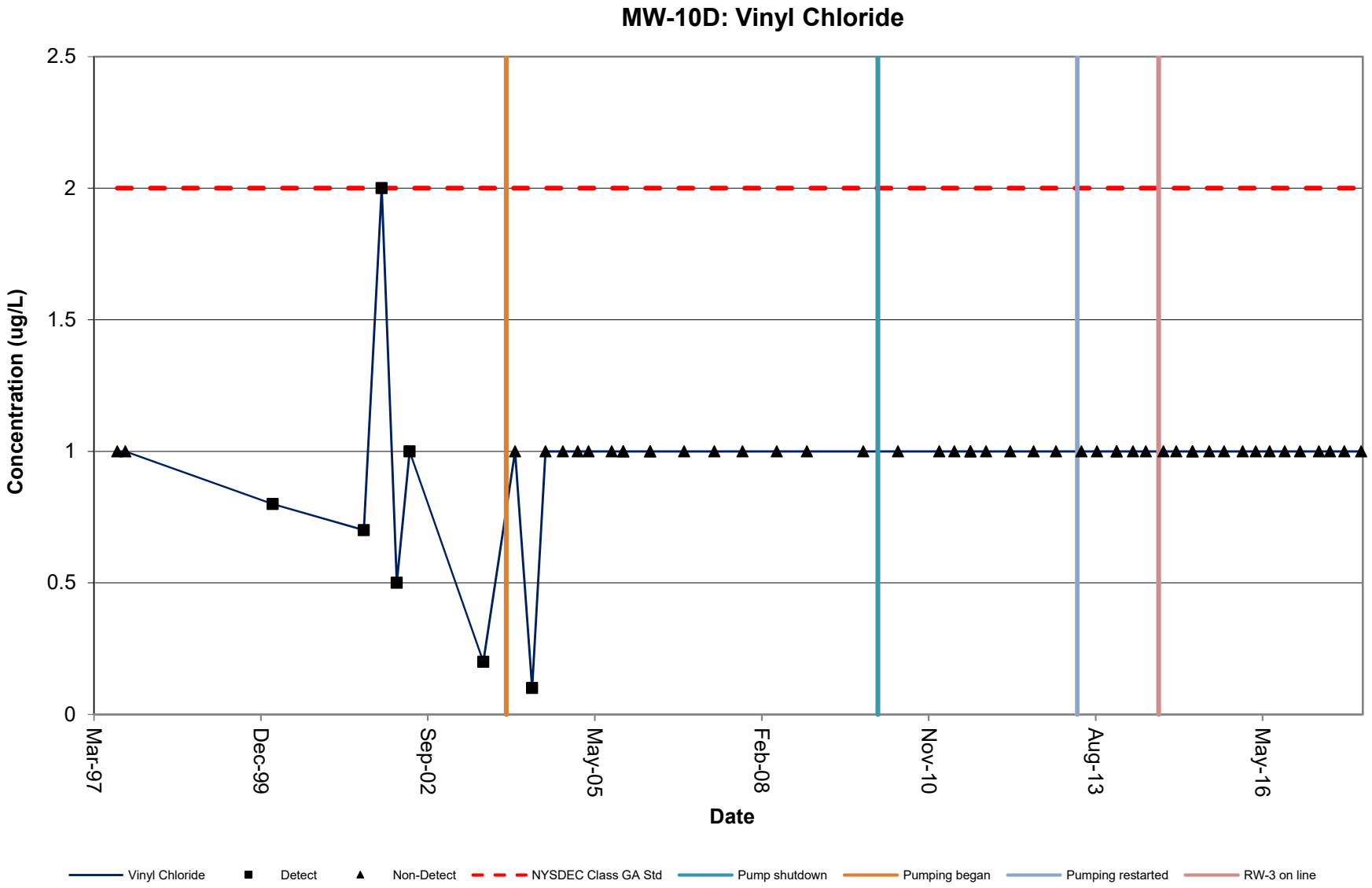

MW-10S: TCE
Concentration (ug/L)
8
7
6
5
4
3
2
1
0
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-10S: 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
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
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
Aug-99
May-02
Feb-05
Nov-07
Aug-10
May-13
Jan-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

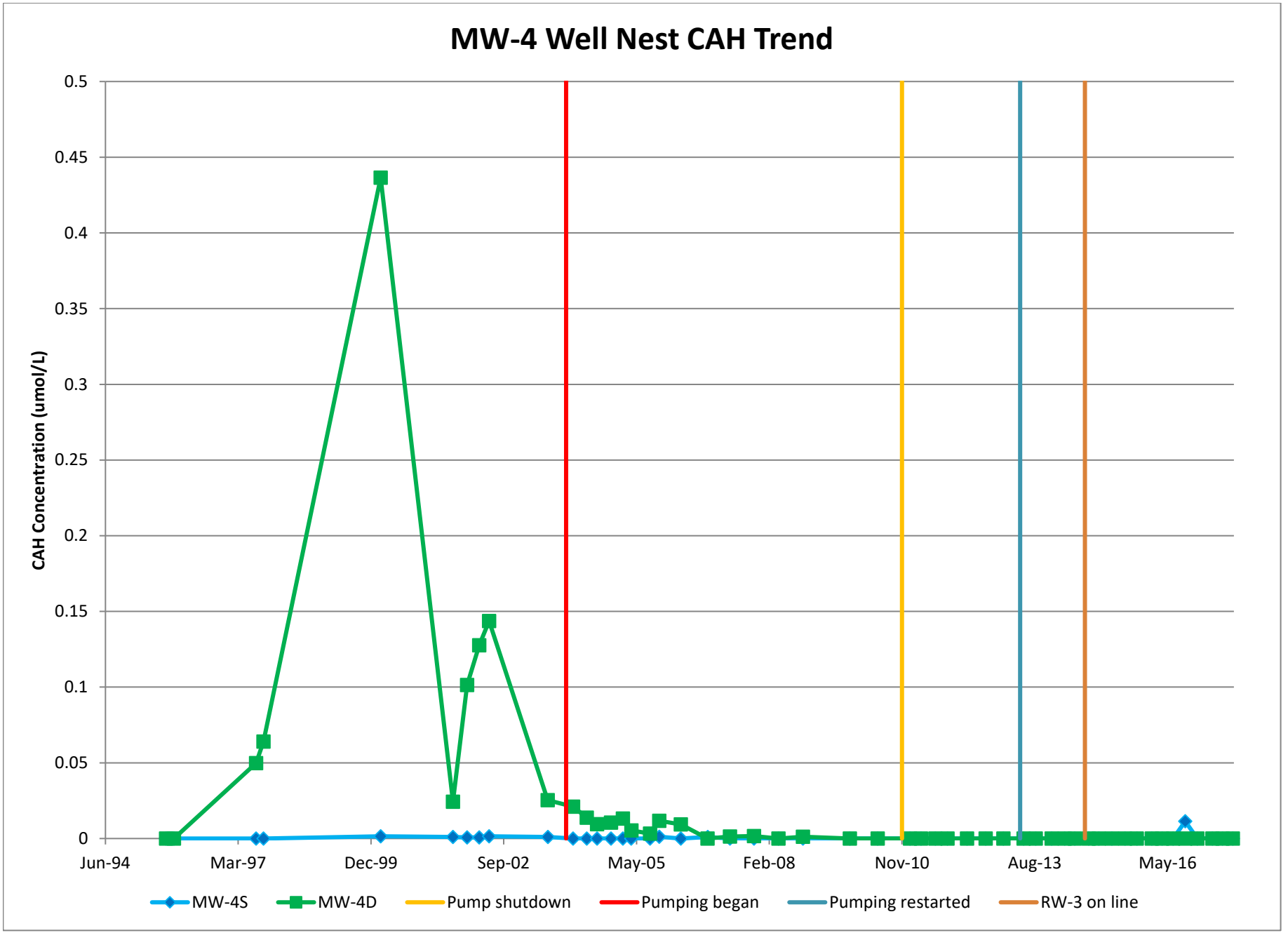

MW-10D: TCE
Concentration (ug/L)
6
5
4
3
2
1
0
Oct-95
Jul-98
Apr-01
Jan-04
Oct-06
Jul-09
Apr-12
Dec-14
Sep-17
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

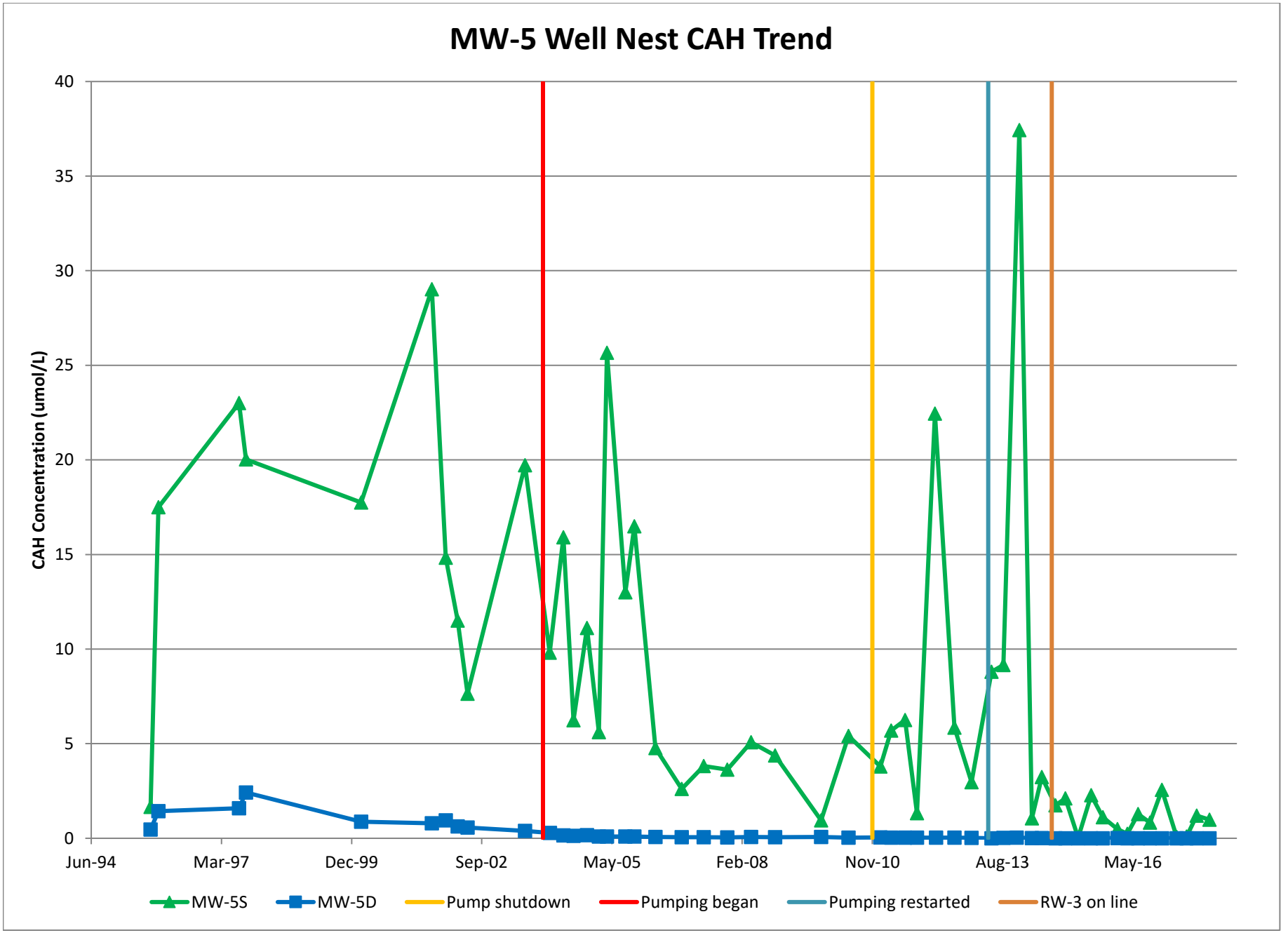

MW-10D: cis-1,2 DCE
Concentration (ug/L)
6
5
4
3
2
1
0
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

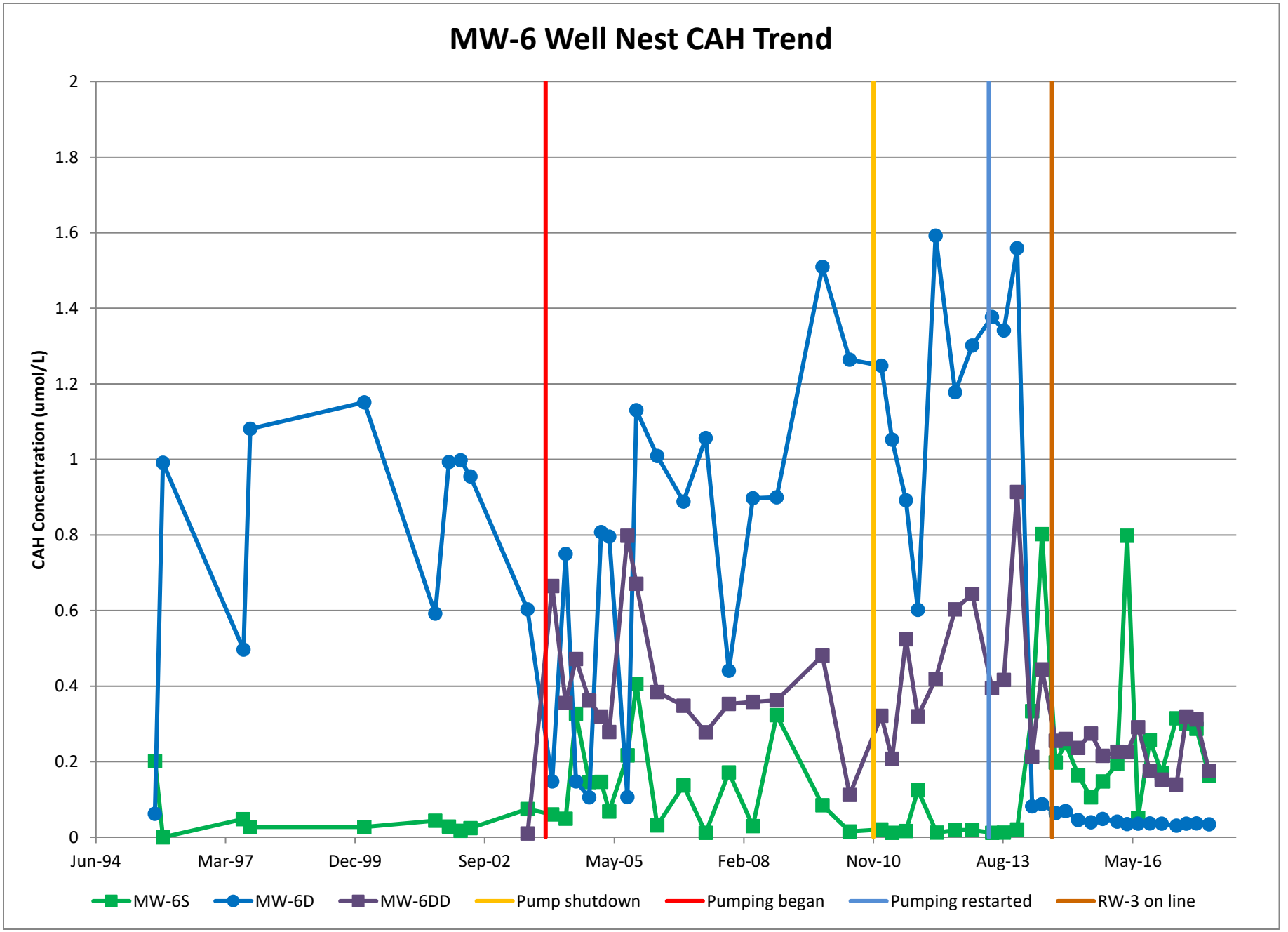

MW-10D: Vinyl Chloride
Concentration (ug/L)
2.5
2
1.5
1
0.5
0
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line

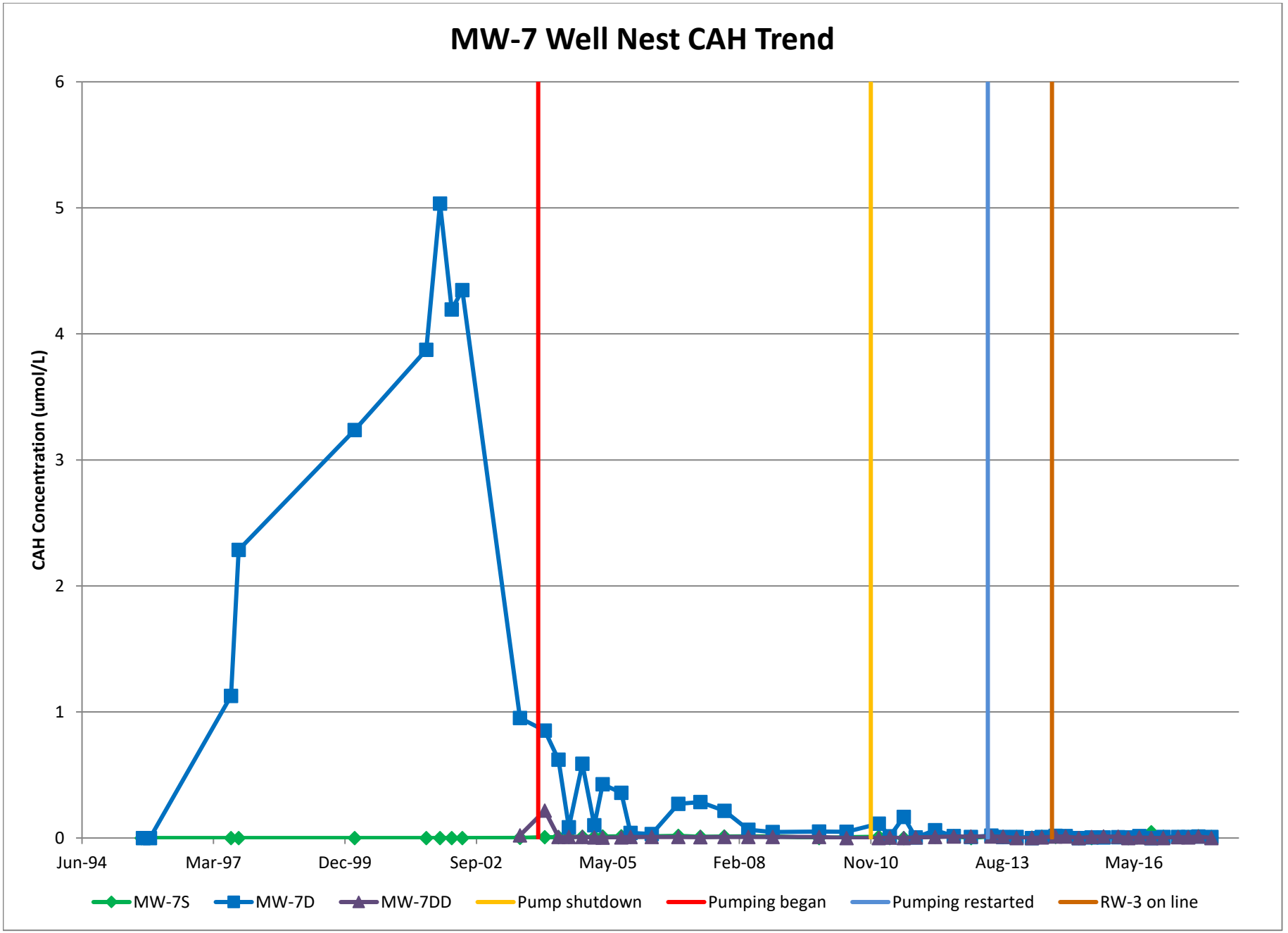
Appendix E

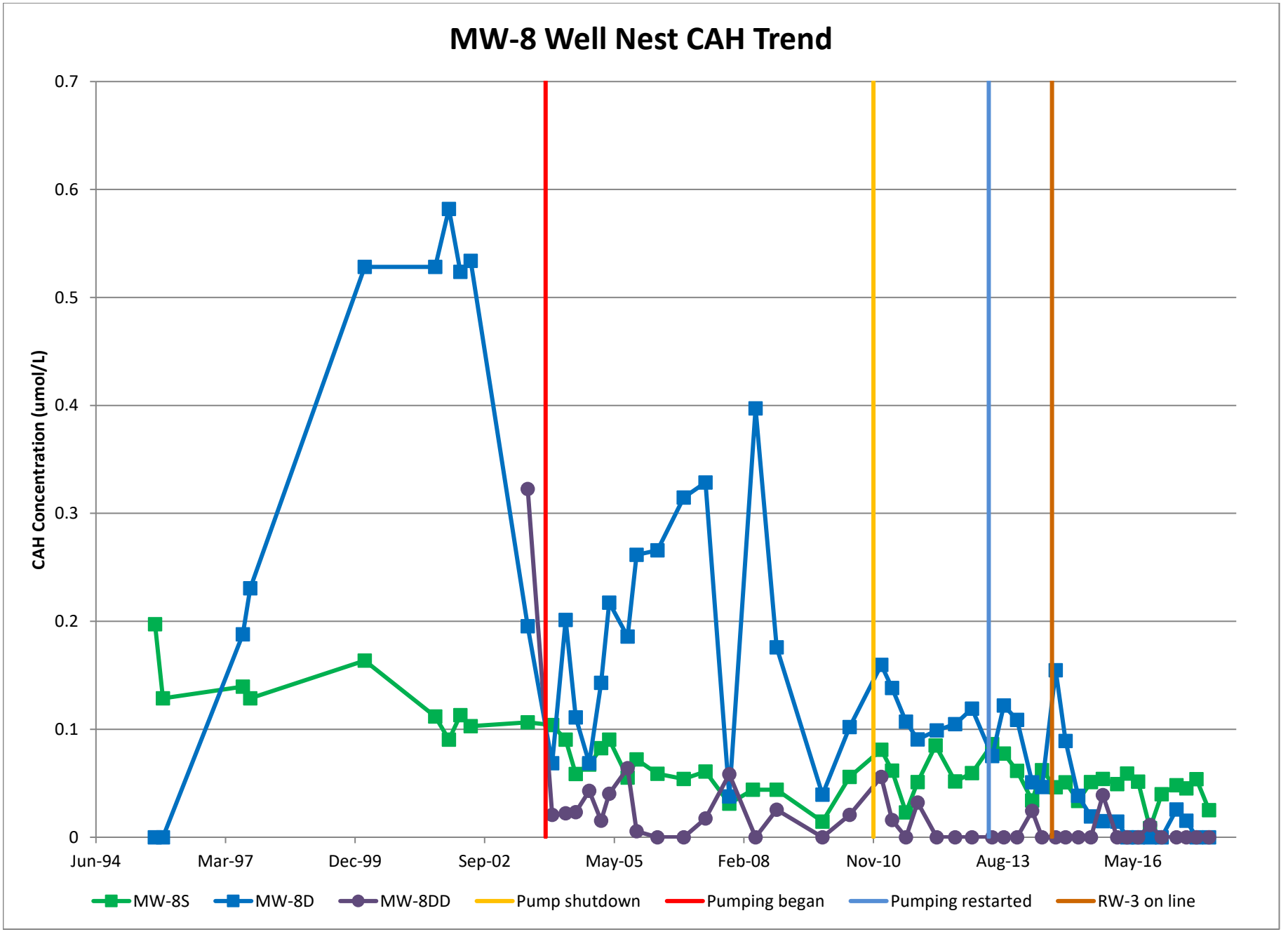
CAHs Mass Trends

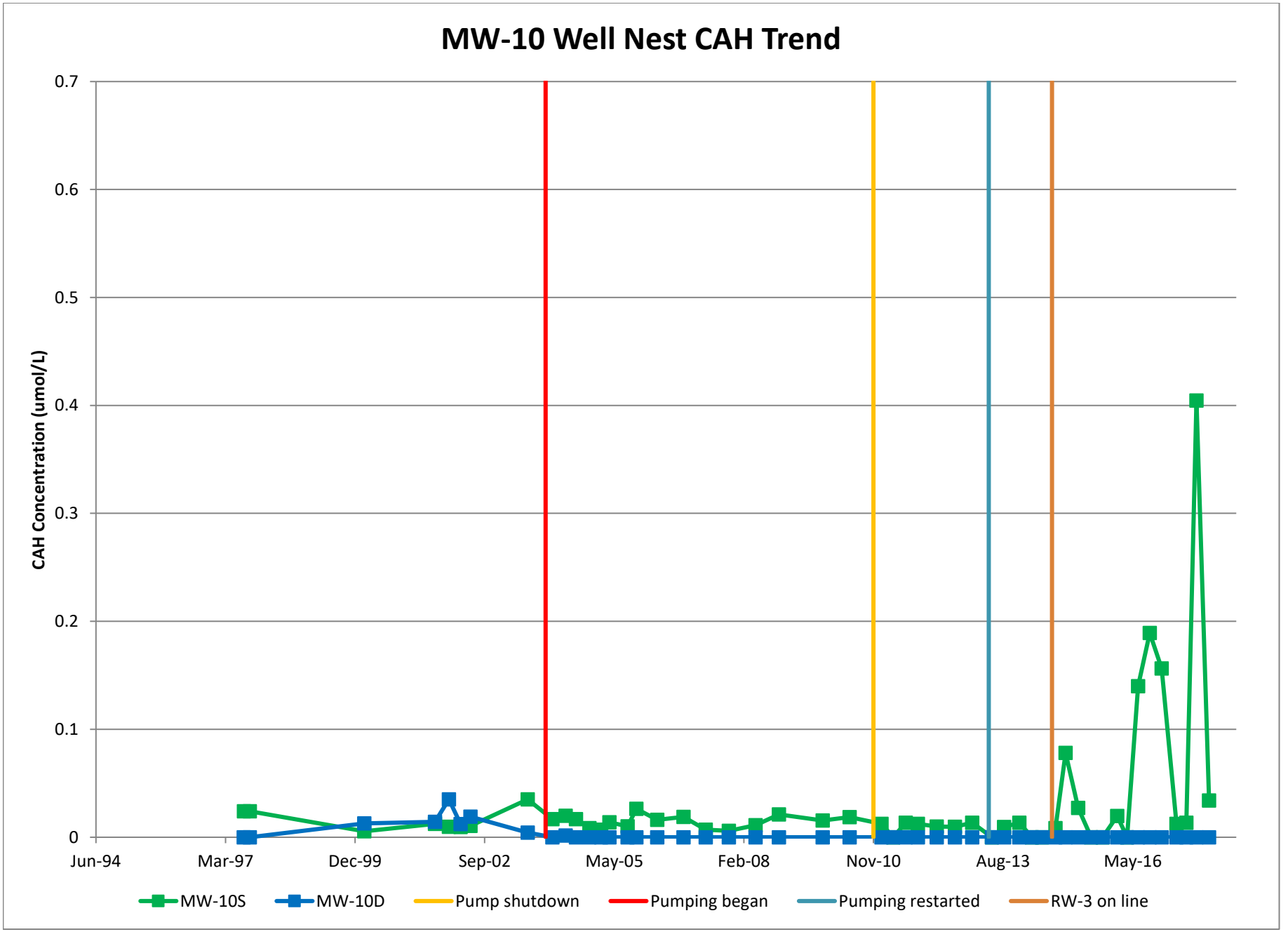

MW-4 Well Nest CAH Trend
CAH Concentration (umol/L)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
MW-4S
MW-4D
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


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
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
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
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
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
MW-10S
MW-10D
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line