2018 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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2018 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 2018 Annual Report for Remedial Work Element 2 (groundwater) (RWE-2) for the Forest Glen Superfund Site in Niagara Falls, New York. The Record of Decision (ROD; USEPA, 1999) established two remedial action objectives (RAOs) for RWE-2, specifically:

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

To achieve these RAOs, the USEPA selected a two-part approach for RWE-2. The first component includes extraction of contaminated groundwater from the on-property plume using groundwater recovery wells RW-1 and RW-2, and transfer of the extracted groundwater via sanitary sewer to the City of Niagara Falls Wastewater Treatment Plant. The second component for RWE-2 includes natural attenuation of the off-property VOC plume. The RWE-2 remedy was completed to complement the Remedial Work Element 1 (Soil) (RWE-1) remedy selected by the USEPA for Operable Unit 2 (soil) which consisted of construction of a 6 NYCRR Part 360 low-permeability geomembrane cap over the suspected source of volatile organic compounds (VOCs) in overburden soil. The construction of both RWE-1 and RWE-2 was completed, and operation of the groundwater recovery system including RW-1 and RW-2 started, during 2003. A third groundwater recovery well, RW-3, was completed and operations began on August 27, 2014 to augment contaminant capture and further minimize the potential for contaminant migration off-property. Combined, these wells recovered 11,239,903 gallons of groundwater for treatment at the Niagara Falls Wastewater Treatment Plant during 2018. The groundwater recovery system was on-line 100% of the year and actively pumped for nearly 93% 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 trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride (VC), the federal MCLs and the Class GA groundwater standards are the same for TCE and vinyl chloride at 5 µg/L and 2 µg/L, respectively; however, the federal MCL for cis-1,2-DCE is 70 µg/L compared to the Class GA groundwater standard of 5 µg/L.

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

On-property, groundwater samples from MW-5S, which is believed to be in the likely COC source area, continue to exhibit COCs at concentrations above the MCLs. Concentrations of COCs in MW-5D were also above the MCLs prior to completion of RWE-1 and startup of the groundwater recovery system, 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 November 2018. The concentration of vinyl chloride in MW-6S showed an increase since starting operation of RW-3 and reached its highest concentration to date on the first quarter 2018. During the subsequent three quarters, VC concentration was fluctuating. In the second quarter 2018, VC dropped to non-detected values and increased again during the last two quarters but at concentrations lower than the first quarter 2018. Vinyl chloride concentrations in this well will continue to be closely monitored.

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

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

1. INTRODUCTION

1.1 GENERAL

This document is the 2018 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 2018.

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 (**Figures 1 and 2**). It lies in the northwest quadrant of the intersection of Interstate Highway 190 and Porter Road, and is accessed from Service Road, off Porter Road. The Site is approximately 29 acres. The boundary between the City 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-Property as required by the Statement of Work (SOW) included as part of the Consent Decree in the matter of United States v. The Goodyear Tire & Rubber Company (Goodyear) et. ano., Civil Action No. 960CV-07215 S (H). The SOW established two remedial work elements for the Site.

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

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

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

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

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

- Extraction of impacted groundwater from the on-Property VOC plume. Since December 2003 this has been accomplished using two on-property groundwater recovery wells (RW-1 and RW-2), and a third groundwater recovery well, RW-3, was placed into operation on August 27, 2014 to augment the system. The locations of the recovery wells and other Site features are shown on **Figure 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.

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

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

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

During September 2017, the USEPA completed its Fifth Five-Year Review Report for the Site and concluded that the remedy 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 11,239,903 gallons of groundwater were recovered during 2018. **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	435,628	401,631	229,481	1,066,740	99% operation permitted by Regulator No. 6C.
February	358,527	318,864	172,537	849,928	96% operation permitted by Regulator No. 6C.
March	222,032	227,038	173,138	622,208	71% operation permitted by Regulator No. 6C.
April	275,309	300,777	211,176	787,262	94% operation permitted by Regulator No. 6C.
May	222,853	328,054	294,730	845,637	89% operation permitted by Regulator No. 6C.
June	298,660	347,712	235,510	881,882	97% operation permitted by Regulator No. 6C.
July	327,917	335,142	229,635	892,694	89% operation permitted by Regulator No. 6C.
August	343,385	332,146	503,975	1,179,506	91% operation permitted by Regulator No. 6C.
September	334,560	314,162	213,811	862,533	94% operation permitted by Regulator No. 6C.
October	364,892	355,281	391,335	1,111,508	95% operation permitted by Regulator No. 6C.
November	429,296	426,007	211,071	1,066,374	97% operation permitted by Regulator No. 6C.
December	443,774	435,712	194,145	1,073,631	98% operation permitted by Regulator No. 6C.
2018 Total	4,056,833	4,122,526	3,060,544	11,239,903	

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 VC, 1,1-dichloroethylene (1,1-DCE), 1,2-dichloroethylene (1,2-DCE, cis and trans), 1,1-dichloroethane (1-1-DCA), TCE, tetrachloroethylene (PCE), and 1,1,1-trichloroethane (1-1-1-TCA) from the recovery wells in operation at the time for the following quarters:

- December 1, 2017 to February 28, 2018: RW-1, RW-2 and RW-3 sampled on December 19 and 20, 2017.
- March 1, 2018 to May 31, 2018: RW-1, RW-2 and RW-3 sampled on April 10 and 11, 2018.
- June 1, 2018 to August 31, 2018: RW-1, RW-2 and RW-3 sampled on June 26 and 27, 2018.
- September 1, 2018 to November 30, 2018: RW-1, RW-2 and RW-3 sampled on September 12, 2018.

The self-monitoring laboratory reports for 2018 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

August 14, 2018: During the weekly site inspection a field technician discovered that RW-3 flow readings were erratic. Each pump in the system contains two separate interface panels that display flow. The first display is integral to the in-line flow meter while the second display is installed in the associated electrical panel. The second display, in the RW-3 panel, is connected to the remote monitoring system. An instrumentation and control technician was mobilized that same day and noted that the panel meter relay outputs were cycling and the display unit required replacement. The panel meter was replaced with a spare and a new spare was ordered. The new meter was programmed and the variable frequency drive speed was adjusted, which returned the system to normal service. Moving forward weekly site inspections include verification that the local flow reading on the flow meter matches the flow reading display in the electrical panel.

October 23, 2018- October 25, 2018: Some scaling and fouling occurs within the recovery system resulting in a restricted flow over time. As required, the pumping systems need to be shut down to clean and flush the lines. The RW-1 and RW-2 pumping system was last cleaned on May 31, 2017. As reported in the 2017 Annual Report (OBG, March 2018), the May 31 cleaning process increased the recovery rate at RW-1/ RW-2 from 3 GPM to approximately 9 and 10 GPM, respectively. Seeing that the system was just cleaned the 9 and 10 GPM rate represented the max recovery rate of the system. To reduce the need for future maintenance shut downs and to prevent potential pump failure, the pumps in RW-1 and RW-2 were designated for replacement. Between October 23, 2018 and October 25, 2018, two operators mobilized to the site and the RW-1 and RW-2 pumps were replaced with two new ¾ HP Grundfos pumps. The conveyance lines for all three pumps (RW-1, RW-2 and RW-3) were also cleaned and flushed. In addition, the existing ball valve installed at RW-3 was replaced with a gate valve to facilitate manual regulation of flow.

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 (March, June, September and November 2018) in 2018. 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**, respectively for March 2018; **Figures 6 and 7**, respectively for June 2018; **Figures 8 and 9**, respectively for September 2018; and **Figures 10 and 11**, respectively for November 2018. Baseline shallow and deep bedrock groundwater contour maps, prepared using data collected on February 14, 2000 are presented as **Figures 12 and 13**, respectively. The baseline data represent groundwater elevations before construction of the Part 360 cover and groundwater recovery system were complete.

Comparison of the baseline shallow and deep bedrock groundwater elevation contour maps (**Figures 12 and 13**) to the March, June, September and November 2018 shallow and deep bedrock groundwater elevation contour maps (**Figures 4 through 11**) demonstrate that the current on-Site groundwater recovery system (RW-1, RW-2 and RW-3) creates inward hydraulic gradients toward the recovery wells.

3.1.2. Groundwater quality sampling

Groundwater samples were collected for VOC analyses from 17 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 on four occasions (March, June, September, and November 2018) to represent 2018. In accordance with the Long-Term Groundwater Monitoring Plan (OBG, 2004c), the wells were sampled using low flow purging and sampling methods. Of note is that shallow bedrock monitoring well MW-4S was not sampled in the third or fourth quarters of 2018 because this well was purged dry and a sufficient volume of water did not recover within the well to collect samples.

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 2016 and 2018 are presented in **Table 3**, and between system startup on December 19, 2003 and 2018 on **Table 4**. **Table 4** also presents historic groundwater data collected prior to completing construction of the groundwater recovery system and the Part 360 cover.

In addition to the VOC analyses, samples were analyzed for geochemical parameters (sulfide, chloride, alkalinity, total organic carbon, sulfate, nitrate, nitrite, dissolved ferrous iron, total dissolved iron, and total dissolved manganese) and dissolved gases (methane, ethane, ethene) during the third quarter monitoring event. **Tables 5** and **6** present the geochemical and dissolved gas data, respectively.

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

3.2 ASSESSMENT OF GROUNDWATER QUALITY DATA AND TRENDS

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

3.2.1 Volatile Organic Compound Trends

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

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

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

- To the east of the MW-5S/D well nest:
  - CAHs were not detected above MCLs or Class GA groundwater standards at 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 or Class GA groundwater standards in the MW-1S/D nest, the only remaining monitoring wells sampled to the east of MW-5S/D nest.
- To the south of the MW-5S/D well nest:
  - TCE is typically not detected at the MW-6S/D/DD well nest, and when detected, concentrations are below MCLs.
  - Cis-1,2-DCE concentrations at MW-6S were typically below the MCL and Class GA groundwater standard prior to the initiation of pumping at RW-1 and RW-2. After startup of RW-1 and RW-2, concentrations increased slightly and typically ranged between 2 µg/L and 16 µg/L. During the trial shut down of the groundwater extraction system, cis-1,2-DCE concentrations were typically below the MCL and Class GA groundwater standard. After RW-3 was placed on-line, cis-1,2-DCE concentrations initially increased and have been generally declining since RW-3 startup, fluctuating generally between 10 and 20 µg/L. Concentrations of cis-1,2-DCE at MW-6D have remained below the MCL and Class GA groundwater standard since the first quarter 2014, which is attributable to operation of RW-3. Cis-1,2-DCE concentrations at MW-6DD have been consistently detected below the MCL but above the Class GA groundwater standard. Concentrations typically fluctuate between 10 and 30 µg/L.
  - VC concentrations at MW-6S were intermittently detected historically and at concentrations generally below the MCL until RW-3 was put on-line. Since then, VC concentrations have shown fluctuations, but an overall increasing trend. Recent concentrations are on the order of 20 µg/L. VC concentrations at MW-6D were observed to increase after initiation of pumping at RW-1 and RW-2 and have ranged between approximately 30 µg/L and 50 µg/L. Since the first quarter of 2015, shortly after startup of RW-3, VC concentrations decreased below the MCL of 2 µg/L and has remained below the MCL to present. This is attributable to operation of RW-3. VC concentrations at MW-6DD were observed to increase after initiation of pumping at RW-1 and RW-2 and have ranged between approximately 10 µg/L and 20 µg/L. Shortly before startup of RW-3, VC concentrations decreased to a range between the MCL and approximately 5 µg/L. Since the fourth quarter of 2016, VC concentrations have remained relatively stable

around 5 µg/L with intermittent periods when VC was not detected above the MCL. This is attributable to operation of RW-3.

  - TCE is typically not detected at the MW-10S/D well nest, and when detected, concentrations are below MCLs.
  - Cis-1,2-DCE concentrations at MW-10S were consistently detected historically at concentrations below the MCL and Class GA groundwater standard until RW-3 was put on-line. Since then, cis-1,2-DCE concentrations show an increasing trend but with intermittent periods when detections were below the MLC and Class GA groundwater standard. Most recently, during the fourth quarter 2018, cis-1,2-DCE was detected at a concentration of 1 µg/L below the MCL of 70 µg/L and the Class GA groundwater standard of 5 µg/L. Cis-1,2-DE has not been detected at MW10D since the first quarter of 2004.
  - VC concentrations at MW-10S were intermittently detected historically and at concentrations below the MCL until the first quarter of 2016, approximately 1.5 years after RW-3 was put on-line. Since then, concentrations of VC have been non-detect at times and detected at concentrations above the MCL at other times.

- To the north of MW-5S/D:
  - TCE has not been detected at MW-4S. TCE has not been detected above the MCL at MW-4D and has not been detected since the fourth quarter of 2006.
  - Cis-1,2-DCE has not been detected above the MCL or Class GA groundwater standard at MW-4S, and has not been detected since the fourth quarter of 2016. Cis-1,2-DCE has not been detected at MW-4D.
  - VC has not been detected at MW-4S or MW-4D.
- Off-property to the west of MW-5S/D:
  - TCE has not been detected above the MCL at the MW-7S/D/DD well nest, MW-8D, or MW-8DD. TCE has not been detected above the MCL since the second quarter of 2002 at MW-8S.
  - Cis-1,2-DCE has not been detected above the MCL or Class GA groundwater standard at MW-7S, or at MW-7D and MW-7DD since the fourth quarter of 2007 and the first quarter of 2004, respectively. Cis-1,2-DCE has not been detected above the MCL or Class GA groundwater standard at MW-8S, MW-8D, and MW-8DD since the third quarter of 2001, second quarter of 2007, and the third quarter of 2003.
  - VC has not been detected at MW-7S, and has not been detected at MW-7D and MW-7DD since the first quarter of 2012 and the fourth quarter of 2005, respectively. VC has not been detected at above the MCL at MW-8S since the first quarter of 2000, at MW-8D since the fourth quarter of 2014, and at MW-8DD since the first quarter of 2011.
  - These data indicate that the combination of groundwater extraction on-Property and monitored natural attenuation (MNA) off-Property have minimized impacts to off-Property areas.

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

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

- MW-4S/D nest – the CAH mass at MW-4S has been very low (*i.e.* 0.001 µmols/l) since the initiation of sampling, while the CAH mass at MW-4D has declined to very low (*i.e.* 0.001 µmols/l) concentrations since pumping was initiated in 2003.

- MW-5S/D nest – the CAH mass in MW-5S dominates the mass distribution at this well nest and represents the highest CAH mass in the on-Property monitoring wells. With the initiation of pumping in 2003 the CAH mass has declined from about 15 µmols/l to below 5 µmols/l. The combined CAH mass in this well nest began to increase following the trial shut-down of pumping between November 2010 and April 2013. Since the re-start of the extraction system, the combined CAH mass decreased and continues to be at its lowest historical levels during each quarter of 2018.
- 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 variable at concentrations of 0.8 to 0.01 µmols/l during 2017 and 2018, respectively. CAH mass in MW-6D increased by up to a factor of two since the initiation of pumping in 2003 through 2013. A sharp decrease in CAH mass was observed during each quarter of 2014 and 2015, and continued at low levels throughout 2016, 2017 and 2018. CAH mass in MW-6DD, which was installed when the pumping wells were installed, remained relatively constant since monitoring began. The combined CAH mass in this well nest increased since the initiation of pumping in 2003 through 2013. From 2014 through 2018, the combined CAH mass showed a more stable trend. Temporal variability in the contaminant mass distribution are not unexpected given the heterogenous nature of the fractured bedrock system. The decrease of CAH mass at the MW-6 nest appears to be consistent with the initiation of RW-3 pumping.
- MW-7S/D/DD nest – the CAH mass in MW-7S and MW-7DD has consistently been very low (*i.e.* 0.001 µmols/l). The CAH mass at this well nest has been dominated by MW-7D which showed about an order of magnitude decline in CAH mass since the initiation of pumping in 2003. Because of the dominance of MW-7D, the combined CAH mass in this well nest also showed about an order of magnitude concentration decline since the initiation of pumping in 2003. CAH mass remained low during the trial pumping shutdown test between November 2010 and April 2013. CAH mass continued to remain low through 2018.
- MW-8S/D/DD nest – CAH mass in MW-8S and MW-8DD declined following the initiation of pumping in 2003. CAH mass slightly increased in MW-8S following the trial shut-down of pumping between November 2010 and April 2013, but has shown a decline since the initiation of pumping at RW-3. CAH mass in MW-8D does not appear to have changed since the initiation of pumping in 2003; however, the data has become less variable and shows a decreased trend since 2014. These data suggest that RW-3 is effectively minimizing contaminant migration toward the MW-8 well nest.
- MW-10S/D nest – There has been no detectable CAH mass in MW-10D since the initiation of pumping during 2003. CAH mass in MW-10S was on the order of 0.03 µmols/l before pumping in 2003. Subsequent to the initiation of pumping from RW-3, an increasing trend in CAH mass in MW-10S was observed during 2016, but declined to more typical historic levels during the first, second, and fourth quarters of 2017. During 2018, CAH mass had an increase to its highest concentration to date during the third quarter 2018 but declined to concentrations consistent with historical data during the fourth quarter of 2018. Temporal variability in the contaminant mass distribution are not unexpected given the heterogenous nature of the fractured bedrock system.

3.2.2 Geochemical and Dissolved Gas Data Trends

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

Evidence of microbially-mediated degradation is supported by the presence of daughter products. TCE concentrations in the source area have shown decreasing trends, and cis-1,2-DCE and vinyl chloride are present

at downgradient locations. In addition, there is evidence that substantial reductions in total CAH mass has occurred within the suspected source area between July 1997 and May 2002.

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

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

3.2.3 Conclusion

CAHs in both the on-Property and off-Property shallow and deep bedrock groundwater plumes have been undergoing natural attenuation. The strongest chemical evidence has been the presence of cis-1,2-DCE and vinyl chloride in groundwater in the vicinity of the source, the presence of vinyl chloride at the downgradient monitoring wells, and the declining total CAH mass concentrations in the vicinity of the source. In addition, the high ratios of cis-1,2-DCE to trans-1,2-DCE within the CAH plume is also indicative of biologically mediated degradation. Geochemical conditions at the Site have been amenable to biologically mediated degradation. The dissolved oxygen, Fe(II), ORP, and methane data indicate that anaerobic conditions have predominated within the CAH plume. These anaerobic conditions provide an environment conducive to reductive dechlorination.

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

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

The continued presence of CAH mass at the MW-6S/D/DD and MW-8S/D/DD well nests suggest that there is an area of residual CAHs in the fractured bedrock in vicinity of the MW-6S/D/DD nest. The dissolved CAH plume from this source did not appear to be intercepted by extraction wells RW-1 and RW-2, and RW-3 was constructed on-Property to address this observation. Groundwater from wells MW-6S/D/DD and MW-8S/D/DD has been collected during 18 sampling events (between September 2014 and November 2018) after the installation and start-up of RW-3 in 2014. Analytical data results from these 18 events indicate that the presence of CAH mass at the MW-6S/D/DD and MW-8S/D/DD well nest has, in general, decreased. However, CAH mass trend at well MW-6S was more variable since 2014 and showed a slight increase during June 2014, March 2016, and March 2018. CAH mass at MW-6S decreased during the next three quarters in 2016 and remained variable during 2017 and 2018, respectively. CAH mass at MW-6D and MW-8D continue to remain at, or near, their lowest levels recorded.

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Tables

Table 2
Groundwater Elevations
2018 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	
			DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	598.15	568.5 - 578.5	18.94	579.21	16.67	581.48	16.21	581.94	18.77	579.38	16.86	581.29	12.45	585.70	12.82	585.33	18.71	579.44	19.23	578.92	16.61	581.54
MW-1D	598.05	546.7 - 567.5	18.96	579.09	16.32	581.73	16.17	581.88	18.74	579.31	16.79	581.26	12.52	585.53	12.95	585.10	18.78	579.27	19.03	579.02	16.44	581.61
MW-2S	596.95	567.1 - 577.1	18.01	578.94			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				16.63	583.48													24.85	575.26	21.85	578.26
MW-2D	596.98	535.4 - 559.8	18.41	578.57			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				18.48	581.73													24.46	575.75	22.12	578.09
MW-3S	597.43	567.3 - 577.3	18.53	578.90	13.53	583.90	16.20	581.23	18.00	579.43	13.62	583.81	7.11	590.32	11.10	586.33	ABND	ABND	ABND	ABND	ABND	ABND
MW-3D	597.10	545.1 - 564.1	18.27	578.83	14.22	582.88	15.89	581.21	17.67	579.43	14.41	582.69	11.20	585.90	11.55	585.55	ABND	ABND	ABND	ABND	ABND	ABND
MW-4S	595.34	573.6 - 583.6	15.86	579.48			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				10.67	583.29													18.05	575.91	15.35	578.61
MW-4D	595.44	534.1 - 563.4	16.90	578.54			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				12.17	581.94													19.48	574.63	16.93	577.18
MW-5S	594.25	566.2 - 576.2	15.60	578.65			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				10.61	582.24													18.60	574.25	16.21	576.64
MW-5D	594.34	542.7 - 565.4	15.83	578.51			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				11.80	581.88													19.29	574.39	16.82	576.86
MW-6S	597.11	568.2 - 578.2	18.04	579.07	11.56	585.55	15.72	581.39	17.57	579.54	11.23	585.88	10.08	587.03	9.35	587.76	20.19	576.92	21.35	575.76	17.69	579.42
MW-6D	596.73	540.3 - 567.8	18.17	578.56	14.81	581.92	15.84	580.89	17.55	579.18	15.11	581.62	11.55	585.18	12.23	584.50	21.27	575.46	22.19	574.54	19.93	576.80
MW-6DD	596.02		NI	NI		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	23.10		24.22	571.80	23.55	572.47
MW-7S	596.28	566.3 - 576.3	12.10	584.18	11.45	584.83	12.15	584.13	13.43	582.85	8.97	587.31	7.36	588.92	7.09	589.19	19.35	576.93	19.93	576.35	17.19	579.09
MW-7D	596.28	543.2 - 563.2	17.89	578.39	15.42	580.86	15.52	580.76	17.18	579.10	14.95	581.33	11.31	584.97	12.10	584.18	20.62	575.66	21.56	574.72	19.28	577.00
MW-7DD			NI	NI		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	21.69		22.48		20.80	
MW-8S	596.67	564.4 - 574.4	15.68	580.99	13.70	582.97	14.47	582.20	15.85	580.82	13.11	583.56	11.15	585.52	11.43	585.24	18.10	578.57	16.20	580.47	14.40	582.27
MW-8D	596.86	542.8 - 561.9	19.82	577.04	16.93	579.93	17.06	579.80	18.98	577.88	17.11	579.75	13.40	583.46	14.31	582.55	21.10	575.76	21.82	575.04	19.80	577.06
MW-8DD			NI	NI		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	21.40		22.85		21.72	
MW-9S	595.22	568.2 - 578.2	16.06	579.16			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				17.27	583.71													25.65	575.33	22.18	578.80
MW-9D	595.31	538.5 - 567.5	16.52	578.79			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				18.68	582.09													25.20	575.57	22.74	578.03
MW-10S	595.52	563.7 - 573.7	17.97	577.55	14.70	580.82	15.18	580.34	17.01	578.51	14.91	580.61	11.35	584.17	11.86	583.66	18.88	576.64	19.02	576.50	16.81	578.71
MW-10D	594.96	543.4 - 563.4	17.44	577.52	14.53	580.43	14.78	580.18	16.63	578.33	14.64	580.32	11.20	583.76	11.48	583.48	18.07	576.89	18.29	576.67	16.22	578.74
MW-11S	600.54	585.3 - 595.3	15.13	585.41	18.87	581.67	13.65	586.89	15.37	585.17	14.19	586.35	10.02	590.52	10.93	589.61	16.45	584.09	16.20	584.34	14.24	586.30
MW-11D	600.20	549.2 - 559.2	12.48	587.72	10.32	589.88	10.95	589.25	12.69	587.51	11.30	588.90	7.76	592.44	8.71	591.49	12.85	587.35	12.18	588.02	10.60	589.60
MW-12S	600.24	582.1 - 592.1	17.92	582.32	14.71	585.53	15.56	584.68	17.33	582.91	16.39	583.85	12.78	587.46	12.80	587.44	19.15	581.09	19.50	580.74	17.38	582.86
MW-12D	600.36	546.7 - 565.7	18.07	582.29	14.58	585.78	15.81	584.55	17.47	582.89	16.52	583.84	11.86	588.50	12.85	587.51	19.51	580.85	19.75	580.61	17.50	582.86
MW-13S	597.75	566.8 - 576.8	15.89	581.86	13.09	584.66	13.85	583.90	15.48	582.27	14.51	583.24	9.81	587.94	10.78	586.97	17.49	580.26	18.05	579.70	15.87	581.88
MW-13D	597.87	545.6 - 565.1	16.10	581.77	13.46	584.41	14.29	583.58	15.90	581.97	15.03	582.84	10.26	587.61	11.23	586.64	18.09	579.78	18.56	579.31	16.56	581.31
MW-14S	597.18	565.1 - 575.1	18.60	578.58	15.00	582.18	16.05	581.13	17.77	579.41	15.52	581.66	11.70	585.48	12.57	584.61	21.15	576.03	21.75	575.43	19.32	577.86
MW-14D	596.38	544.7 - 564.7	17.86	578.52	14.58	581.80	15.54	580.84	17.28	579.10	14.81	581.57	11.29	585.09	11.91	584.47	20.61	575.77	21.74	574.64	19.56	576.82
MW-15S	599.70	566.4 - 576.4	17.04	582.66	14.03	585.67	14.80	584.90	16.48	583.22	15.30	584.40	10.85	588.85	11.83	587.87	18.27	581.43	18.51	581.19	16.43	583.27
MW-15D	598.37	547.0 - 563.0	16.02	582.35	13.20	585.17	13.97	584.40	15.64	582.73	14.38	583.99	9.97	588.40	10.84	587.53	17.67	580.70	17.93	580.44	15.94	582.43
RW-1	593.60	526.5 - 574.5	NI	NI		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	18.38	575.22				
	593.67																		38.70	554.97	NM	NM
	593.87																					
RW-2	591.79	523.8 - 570.8	NI	NI		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NM	NM				
	591.80																		40.30	551.50	NM	NM
	592.43																					
RW-3	595.65		NI	NI		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

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

Table 2
Groundwater Elevations
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Niagara Falls, New York

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

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

Table 2
Groundwater Elevations
2018 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 2
Groundwater Elevations
2018 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	
			DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	598.15	568.5 - 578.5	16.75	581.40	19.84	578.31	17.55	580.60	18.35	579.80	18.06	580.09	17.27	580.88	13.96	584.19	17.93	580.22	21.28	576.87	20.9	577.25
MW-1D	598.05	546.7 - 567.5	16.78	581.27	19.74	578.31	17.51	580.54	18.42	579.63	18.22	579.83	17.35	580.70	13.9	584.15	17.9	580.15	21.25	576.80	20.86	577.19
MW-2S	596.95	567.1 - 577.1																				
	607.04																					
	600.11		20.18	579.93	24.7	575.41	21.1	579.01	23.2	576.91	23.37	576.74	19.98	580.13	19.92	580.19	24.94	575.17	26.4	573.71	26.35	573.76
MW-2D	596.98	535.4 - 559.8																				
	607.02																					
	600.21		20.92	579.29	23.63	576.58	21.1	579.11	22.48	577.73	22.5	577.71	21.9	578.31	18.38	581.83	22.75	577.46	25.75	574.46	25.26	574.95
MW-3S	597.43	567.3 - 577.3																				
MW-3D	597.10	545.1 - 564.1																				
MW-4S	595.34	573.6 - 583.6																				
	596.23																					
	593.96		13.96	580.00	18.14	575.82	14.52	579.44	16.54	577.42	16.52	577.44	14.78	579.18	13.17	580.79	17.53	576.43	20.12	573.84	20	573.96
MW-4D	595.44	534.1 - 563.4																				
	596.22																					
	594.11		16.18	577.93	19.17	574.94	15.98	578.13	18.7	575.41	18.42	575.69	16.58	577.53	14.66	579.45	19.98	574.13	23.11	571.00	22.65	571.46
MW-5S	594.25	566.2 - 576.2																				
	596.52																					
	592.85		15.2	577.65	18.26	574.59	14.97	577.88	17.8	575.05	17.57	575.28	15.52	577.33	13.76	579.09	19.24	573.61	22	570.85	21.86	570.99
MW-5D	594.34	542.7 - 565.4																				
	596.68																					
	593.68		16.02	577.66	18.94	574.74	15.74	577.94	18.52	575.16	18.28	575.40	16.3	577.38	14.55	579.13	19.9	573.78	23.12	570.56	22.72	570.96
MW-6S	597.11	568.2 - 578.2	13.2	583.91	21.02	576.09	16.23	580.88	18.04	579.07	18.35	578.76	17.05	580.06	18.7	578.41	22.18	574.93	23.84	573.27	23.62	573.49
MW-6D	596.73	540.3 - 567.8	19.08	577.65	21.96	574.77	18.78	577.95	21.53	575.20	21.28	575.45	19.36	577.37	18.12	578.61	23.56	573.17	26.55	570.18	26.22	570.51
MW-6DD	596.02		26.09	569.93	25.46	570.56	24.43	571.59	24.7	571.32	25.04	570.98	25.74	570.28	19.15	576.87	24.2	571.82	27.08	568.94	27.04	568.98
MW-7S	596.28	566.3 - 576.3	15.05	581.23	18.14	578.14	15.65	580.63	18.48	577.80	18.02	578.26	15.6	580.68	10.8	585.48	14.1	582.18	21.44	574.84	23.78	572.50
MW-7D	596.28	543.2 - 563.2	18.32	577.96	21.16	575.12	18.11	578.17	20.77	575.51	20.56	575.72	18.78	577.50	16.76	579.52	21.9	574.38	24.82	571.46	24.7	571.58
MW-7DD			16.66	-16.66	21.15				20.88		20.96											
MW-8S	596.67	564.4 - 574.4	16.27	580.40	18.08	578.59	16.55	580.12	19.1	577.57	18.62	578.05	17.5	579.17	14.35	582.32	17.92	578.75	21.1	575.57	20.05	576.62
MW-8D	596.86	542.8 - 561.9	19.34	577.52	22.12	574.74	19.22	577.64	21.54	575.32	21.43	575.43	19.9	576.96	17.5	579.36	22.5	574.36	25.55	571.31	25	571.86
MW-8DD			24.95	-24.95	24.63				24.28		24.58											
MW-9S	595.22	568.2 - 578.2																				
	605.28																					
	600.98		19.93	581.05	23.8	577.18	21.06	579.92	22.02	578.96	22.32	578.66	21.12	579.86	19.34	581.64	22.9	578.08	27.24	573.74	27.17	573.81
MW-9D	595.31	538.5 - 567.5																				
	605.35																					
	600.77		19.7	581.07	24.76	576.01	21.7	579.07	24.02	576.75	23.75	577.02	22.14	578.63	19.82	580.95	25.05	575.72	28.14	572.63	27.66	573.11
MW-10S	595.52	563.7 - 573.7	15.65	579.87	19.45	576.07	16.35	579.17	18.1	577.42	18.08	577.44	16.75	578.77	14.5	581.02	19.88	575.64	22.3	573.22	21.9	573.62
MW-10D	594.96	543.4 - 563.4	16.33	578.63	18.83	576.13	16.48	578.48	18.35	576.61	18.25	576.71	16.94	578.02	14.05	580.91	18.62	576.34	22.3	572.66	21.28	573.68
MW-11S	600.54	585.3 - 595.3	13.75	586.79	17.08	583.46	14.25	586.29	15.92	584.62	15.64	584.90	14.55	585.99	12.35	588.19	15.84	584.70	18.75	581.79	17.98	582.56
MW-11D	600.20	549.2 - 559.2	10.28	589.92	13.38	586.82	11.12	589.08	12.16	588.04	12.12	588.08	11.22	588.98	9.05	591.15	11.7	588.50	14.4	585.80	13.75	586.45
MW-12S	600.24	582.1 - 592.1	16.62	583.62	20.2	580.04	16.85	583.39	18.98	581.26	18.6	581.64	17.27	582.97	15.06	585.18	19.52	580.72	22.38	577.86	21.65	578.59
MW-12D	600.36	546.7 - 565.7	16.74	583.62	20.36	580.00	17	583.36	19.16	581.20	18.78	581.58	17.43	582.93	15.25	585.11	19.64	580.72	22.58	577.78	21.85	578.51
MW-13S	597.75	566.8 - 576.8	14.83	582.92	18.64	579.11	15.05	582.70	17.35	580.40	16.96	580.79	15.54	582.21	13.4	584.35	18.05	579.70	21.2	576.55	20.45	577.30
MW-13D	597.87	545.6 - 565.1	15.48	582.39	19.15	578.72	15.45	582.42	18	579.87	17.46	580.41	16.07	581.80	13.98	583.89	18.72	579.15	21.66	576.21	20.95	576.92
MW-14S	597.18	565.1 - 575.1	19.02	578.16	22.14	575.04	18.86	578.32	21.58	575.60	21.42	575.76	19.53	577.65	17.52	579.66	22.78	574.40	26.22	570.96	25.75	571.43
MW-14D	596.38	544.7 - 564.7	18.56	577.82	21.52	574.86	18.3	578.08	21.04	575.34	20.82	575.56	18.97	577.41	17.03	579.35	22.26	574.12	25.44	570.94	25.02	571.36
MW-15S	599.70	566.4 - 576.4	15.63	584.07	19.23	580.47	15.92	583.78	18	581.70	17.7	582.00	16.35	583.35	14.15	585.55	18.4	581.30	21.42	578.28	20.7	579.00
MW-15D	598.37	547.0 - 563.0	15.1	583.27	18.6	579.77	15.29	583.08	17.44	580.93	17.15	581.22	15.72	582.65	13.55	584.82	17.92	580.45	20.95	577.42	20.25	578.12
RW-1	593.60	526.5 - 574.5																				
	593.67		16.12	577.55	19.05	574.62	15.8	577.87	18.74	574.93	18.45	575.22	16.3	577.37	14.58	579.09	20.82	572.85	23.54	570.13	23.32	570.35
	593.87																					
RW-2	591.79	523.8 - 570.8																				
	591.80		14.78	577.02	17.55	574.25	14.3	577.50	17.45	574.35	17.02	574.78	14.86	576.94	12.82	578.98	18.62	573.18	21.76	570.04	21.4	570.40
	592.43																					
RW-3	595.65		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	18.22	577.43	23.67	571.98	26.8	568.85	24.25	571.40

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

Table 2
Groundwater Elevations
2018 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 2
Groundwater Elevations
2018 Annual Report - Forest Glen Superfund Site
Niagara Falls, New York

Well I.D.	Top of Casing Elevation (ft MSL)	Screened Interval Elevation (ft MSL)	6/26/2017		9/11/2017		12/19/2017		3/13/2018		6/18/2018		9/17/2018		11/27/2018	
			DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-1S	598.15	568.5 - 578.5	18.94	579.21	19.51	578.64	19.8	578.35	15.98	582.17	20.76	577.39	21.18	576.97	19.05	579.10
MW-1D	598.05	546.7 - 567.5	18.6	579.45	19.32	578.73	19.75	578.30	16.02	582.03	20.61	577.44	21.1	576.95	18.85	579.20
MW-2S	596.95	567.1 - 577.1														
	607.04															
	600.11		25.83	574.28	26	574.11	25.72	574.39	22.63	577.48	26.21	573.90	26.3	573.81	25.85	574.26
MW-2D	596.98	535.4 - 559.8														
	607.02															
	600.21		23.03	577.18	24.22	575.99	24.25	575.96	20.1	580.11	24.99	575.22	25.34	574.87	22	578.21
MW-3S	597.43	567.3 - 577.3														
MW-3D	597.10	545.1 - 564.1														
MW-4S	595.34	573.6 - 583.6														
	596.23															
	593.96		18.74	575.22	18.96	575.00	18.6	575.36	15.2	578.76	18.9	575.06	20.25	573.71	18.62	575.34
MW-4D	595.44	534.1 - 563.4														
	596.22															
	594.11		20.74	573.37	21.43	572.68	22	572.11	17.53	576.58	22.58	571.53	23.2	570.91	20.2	573.91
MW-5S	594.25	566.2 - 576.2														
	596.52															
	592.85		20.23	572.62	20.82	572.03	21.24	571.61	16.78	576.07	21.78	571.07	22.18	570.67	19.62	573.23
MW-5D	594.34	542.7 - 565.4														
	596.68															
	593.68		20.75	572.93	21.44	572.24	22.06	571.62	17.62	576.06	22.66	571.02	23.32	570.36	20.3	573.38
MW-6S	597.11	568.2 - 578.2	23.35	573.76	23.24	573.87	23.93	573.18	21.48	575.63	23.23	573.88	24.08	573.03	22.63	574.48
MW-6D	596.73	540.3 - 567.8	24.65	572.08	25.12	571.61	26.6	570.13	21.54	575.19	26.14	570.59	26.76	569.97	23.9	572.83
MW-6DD	596.02		28.11	567.91	27.4	568.62	29.34	566.68	25.83	570.19	28.36	567.66		596.02	26.68	569.34
MW-7S	596.28	566.3 - 576.3	17.42	578.86	18.88	577.40	16.73	579.55	13.47	582.81	20.94	575.34	20.17	576.11	14.3	581.98
MW-7D	596.28	543.2 - 563.2	22.58	573.70	23.48	572.80	23.9	572.38	19.67	576.61	24.85	571.43	25.33	570.95	21.99	574.29
MW-7DD																
MW-8S	596.67	564.4 - 574.4	17.82	578.85	18.71	577.96	18.16	578.51	15.66	581.01	20.25	576.42	20.14	576.53	17.14	579.53
MW-8D	596.86	542.8 - 561.9	23.53	573.33	24.16	572.70	24.57	572.29	20.59	576.27	25.13	571.73	25.7	571.16	23.38	573.48
MW-8DD															28.38	
MW-9S	595.22	568.2 - 578.2														
	605.28															
	600.98		25.09	575.89	24.85	576.13	24.55	576.43	22.67	578.31	24.7	576.28	26.4	574.58	24.18	576.80
MW-9D	595.31	538.5 - 567.5														
	605.35															
	600.77		25.81	574.96	26.49	574.28	24.3	576.47	22.59	578.18	27.44	573.33	28	572.77	20.98	579.79
MW-10S	595.52	563.7 - 573.7	20.58	574.94	20.82	574.70	20.2	575.32	18.18	577.34	21.46	574.06	22.25	573.27	19.32	576.20
MW-10D	594.96	543.4 - 563.4	19.47	575.49	20.02	574.94	19.72	575.24	16.98	577.98	21.32	573.64	21.8	573.16	18.76	576.20
MW-11S	600.54	585.3 - 595.3	16.83	583.71	17.28	583.26	16.94	583.60	13.38	587.16	17.85	582.69	18.66	581.88	16.49	584.05
MW-11D	600.20	549.2 - 559.2	12.7	587.50	13.3	586.90	12.42	587.78	9.81	590.39	14.81	585.39	14.7	585.50	12.28	587.92
MW-12S	600.24	582.1 - 592.1	20.72	579.52	21.11	579.13	21	579.24	16.89	583.35	21.6	578.64	22.35	577.89	20.3	579.94
MW-12D	600.36	546.7 - 565.7	21	579.36	21.38	578.98	21.24	579.12	17.2	583.16	21.85	578.51	22.7	577.66	20.48	579.88
MW-13S	597.75	566.8 - 576.8	19.68	578.07	19.97	577.78	19.81	577.94	15.55	582.20	20.39	577.36	21.48	576.27	19.1	578.65
MW-13D	597.87	545.6 - 565.1	20.35	577.52	20.56	577.31	20.58	577.29	16.25	581.62	21.12	576.75	21.7	576.17	20	577.87
MW-14S	597.18	565.1 - 575.1	23.64	573.54	24.4	572.78	24.87	572.31	20.36	576.82	25.42	571.76	26.19	570.99	23.15	574.03
MW-14D	596.38	544.7 - 564.7	23.08	573.30	23.95	572.43	24.4	571.98	19.93	576.45	25	571.38	25.58	570.80	23.49	572.89
MW-15S	599.70	566.4 - 576.4	19.65	580.05	20.08	579.62	19.95	579.75	15.88	583.82	20.66	579.04	21.47	578.23	19.32	580.38
MW-15D	598.37	547.0 - 563.0	19.16	579.21	19.67	578.70	19.51	578.86	15.44	582.93	20.25	578.12	20.94	577.43	19.01	579.36
RW-1	593.60	526.5 - 574.5														
	593.67		20.96	572.71	21.48	572.19	22.7	570.97								
	593.87								17.63	576.24	23.04	570.83	23.5	570.37	21.24	572.63
RW-2	591.79	523.8 - 570.8														
	591.80		19.71	572.09	20.2	571.60	20.56	571.24								
	592.43								16.44	575.99	21.3	571.13	21.95	570.48	19.02	573.41
RW-3	595.65		27.3	568.37	21.68	573.97	21.9	573.75	21.7	573.95	21.9	573.75	26.55	569.10	21.9	573.75

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 (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/21/2016	4/13/2017	6/28/2017	9/14/2017	12/21/2017	3/15/2018	6/20/2018	9/19/2018	11/29/2018
		Sample ID	MW-4D-122116	MW-4D-041317	MW-4D-062817	MW-4D-091417	MW-4D-122117	MW-4D-031518	MW-4D-062018	MW-4D-091918	MW-4D-112918
			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	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 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
Benzene	1		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
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	12/21/2016	4/13/2017	6/28/2017	9/14/2017	12/21/2017	3/15/2018	6/19/2018	9/19/2018	11/27/2018
		Sample ID	MW-4S-122116	MW-4S-041317	MW-4S-062817	MW-4S-091417	MW-4S-122117	MW-4S-031518	MW-4S-061918	MW-4S-091918	MW-4D-091918
			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	1.0 U	1.0 U		
1,1,2,2-Tetrachloroethane	5		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	1.0 U	1.0 U		
1,1-Dichloroethane	5		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	1.0 U	1.0 U		
1,2-Dichloroethane	0.6		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	1.0 U	1.0 U		
2-Hexanone	50		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	5.0 U	5.0 U		
Acetone	50		10 U	10 U	3.5 J	10 U	10 U	10 U	10 U		
Benzene	1		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U		
Bromodichloromethane	50		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	1.0 U	1.0 U	NOT SAMPLED	NOT SAMPLED
Bromomethane	5		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	1.0 U	1.0 U		
Carbon tetrachloride	5		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	1.0 U	1.0 U		
Chloroethane	5		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	1.0 U	1.0 U		
cis-1,2-Dichloroethene	5		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	1.0 U	1.0 U		
Dibromochloromethane	50		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	1.0 U	1.0 U		
Methyl chloride	5		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		
Methylene chloride	5		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	1.0 U	1.0 U		
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U		
Toluene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U		
trans-1,2-Dichloroethene	5		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	1.0 U	1.0 U		
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U		
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U		
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2.0 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/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
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	12/21/2016	4/12/2017	6/27/2017	6/27/2017	9/14/2017	12/21/2017	3/15/2018	6/19/2018	9/19/2018	11/28/2018
		Sample ID	MW-5D-122116	MW-5D-041217	MW-5D-062717	MW-5D-062717	MW-5D-091417	MW-5D-122117	MW-5D-031518	MW-5D-061918	MW-5D-091918	MW-5D-112818
			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	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		0.5 J	0.56 J	0.46 J	0.51 J	0.51 J	0.42 J	0.53 J	0.49 J	0.50 J	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 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	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
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-05S	MW-05S	MW-05S	MW-05S
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2016	4/12/2017	6/27/2017	9/14/2017	12/21/2017	3/15/2018	6/19/2018	9/19/2018	11/29/2018
		Sample ID	MW-5S-122016	MW-5S-041217	MW-5S-062717	MW-5S-091417	MW-5S-122117	MW 5S 031518	MW 5S 061918	MW 5S 091918	MW-5S-112918
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		**[22]**	1.2	3.1	12	13	3.4	**[9.7]**	**[6.8]**	3.3
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		**[38]**	**[6]**	0.84 J	**[92]**	**[86]**	**[14]**	**[67]**	**[60]**	3.7
1,1-Dichloroethene	5		2	0.45 J	0.57 J	**[5.8]**	**[8.2]**	1.3	3.6	3.3	0.35 J
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	3.7 J	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		**[180] F1**	**[5.6]**	3.8	**[88]**	**[76]**	**[16]**	**[77]**	**[45]**	**[11]**
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U*	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		0.7 J	1 U	1 U	0.51 J	0.49 J	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		2.2	1 U	1 U	3.2	4	1.0 U	0.98 J	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Trichloroethene	5		**[92]**	2.2	**[6.7]**	**[33]**	**[26]**	**[9.5]**	**[34]**	**[22]**	**[12]**
Vinyl chloride	2		1 U	1 U	1 U	2.1	1 U	1.0 U	**[5.2]**	2.1	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD	MW-6DD
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2016	4/11/2017	6/28/2017	9/12/2017	12/20/2017	3/15/2018	6/20/2018	9/19/2018	11/28/2018
		Sample ID	MW6DD 122016	MW6DD 041117	MW6DD 062817	MW6DD 091217	MW6DD 122017	MW 6DD 031518	MW 6DD 062018	MW 6DD 091918	MW-6DD-112818
			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	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		0.55 J	1 U	1 U	0.6 J	1.0 U	0.82 J	0.64 J	0.51 J	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 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
Benzene	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		**[8.6]**	**[13]**	**[24]**	**[22]**	**[17]**	**[24]**	**[25]**	**[13]**	**[11]**
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 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
Methylene chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	0.39 J	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5		1 U	0.69 J	1 U	1 U	1.0 U	0.82 J	1.0 U	1.0 U	1 U
Vinyl chloride	2		**[4]**	1 U	**[4.5]**	**[5.3]**	1.0 U	**[3.9]**	**[5.3]**	**[4.9]**	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-06D	MW-06D	MW-06D	MW-06D
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2016	4/11/2017	6/27/2017	9/12/2017	12/20/217	3/14/2018	6/20/2018	9/19/2018	11/27/2018
		Sample ID	MW6D 122016	MW6D 041117	MW6D 062717	MW6D 091217	MW6D 122017	MW 6D 031418	MW 6D 062018	MW 6D 091918	MW-6D-112718
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	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		0.59 J	0.71 J	0.51 J	0.6 J	0.56 J	0.58 J	0.59 J	0.62 J	0.4 J
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 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
Benzene	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1.3	1.1	1.3	1.4	1.3	1.0	1.1	1.3	0.84 J
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 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
Methylene chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2		1.4	1.2	1.4	1.4	1.3	1.1	1.2	1.3	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-6S	MW-6S	MW-6S	X-1	MW-6S	MW-6S	MW-06S	MW-06S	MW-06S	MW-06S
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2016	4/11/2017	6/28/2017	6/28/2017	9/14/2017	12/20/2017	3/15/2018	6/20/2018	9/20/2018	11/29/2018
		Sample ID	MW6S 122016	MW6S 041117	MW6S 062817	MW6S 062817	MW6S 091417	MW6S 122017	MW 6S 031518	MW 6S 062018	MW 6S 092018	MW-6S-112918
			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	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	3.3 J	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	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		**[6.9]**	**[17]**	**[15]**	**[14]**	**[10]**	4.7	**[28]**	**[6.3]**	**[15]**	**[13]**
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U*	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 U	0.39 J	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2		**[6.2]**	**[8.7]**	**[9.1]**	**[8.9]**	**[3.8]**	1.0 U	**[29]**	1.0 U	**[19]**	**[22]**
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD	MW-07DD	MW-7DD	MW-7DD	MW-7DD	MW-7DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2016	4/12/2017	6/28/2017	9/13/2017	12/20/2017	3/14/2018	3/14/2018	6/19/2018	9/18/2018	11/28/2018
		Sample ID	MW7DD 122016	MW7DD 041217	MW7DD 062817	MW7DD 091317	MW7DD 122017	MW 7DD 031418	X-1 031418	MW 7DD 061918	MW 7DD 091818	MW-7DD-112818
			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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.33 J B
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5		1 U	0.78 J	0.5 J	1 U	1.0 U	1.0 U	1.0 U	0.53 J	1.0 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-7D	MW-7D	MW-7D	MW-7D	MW-7D	MW-07D	MW-07D	X-1	MW-07D	MW-07D
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/21/2016	4/12/2017	6/28/2017	9/13/2017	12/20/2017	3/14/2018	6/19/2018	6/19/2018	9/18/2018	11/28/2018
		Sample ID	MW7D 122116	MW7D 041217	MW7D 062817	MW7D 091317	MW7D 122017	MW 7D 031418	MW 7D 061918	MW 7D 061918	MW 7D 091818	MW-7D-112818
			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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	0.90 J	0.83 J	0.92 J	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	0.61 J	0.36 J	0.36 J	0.36 J	1.0 U	1.0 U	0.36 J
Toluene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5		1.1	1.1	0.99 J	1.6	1.1	1.1	0.80 J	0.89 J	0.98 J	0.94 J
Vinyl chloride	2		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-07S	MW-07S	MW-07S	MW-07S
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/21/2016	4/12/2017	6/28/2017	9/13/2017	12/20/2017	3/14/2018	6/19/2018	9/18/2018	11/28/2018
		Sample ID	MW7S 122116	MW7S 041217	MW7S 062817	MW7S 091317	MW7S 122017	MW 7S 031418	MW 7S 061918	MW 7S 091818	MW-7S-112818
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	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U*	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	3.0 J	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	0.28 J	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 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
Methylene chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		0.53 J	1 U	1 U	0.66 J	1.0 U	0.50 J	1.0 U	0.47 J	0.39 J
Toluene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5		1.4	1	1	1.8	1.1	1.4	0.52 J	1.2	1.1
Vinyl chloride	2		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8DD	MW-8DD	MW-8DD	MW-8DD	MW-8DD	X-1	MW-08DD	MW-08DD	MW-08DD	MW-08DD
		Depth Interval	-	-	-	-	-	-	-	-	-	-
		Sample Date	12/21/2016	4/13/2017	6/28/2017	9/13/2017	12/20/217	12/20/217	3/14/2018	6/19/2018	9/18/2018	11/28/2018
		Sample ID	MW-8DD-122116	MW-8DD-041317	MW-8DD-062817	MW-8DD-062817	MW-8DD-122017	MW-8DD-122017	MW 8DD 031418	MW 8DD 061918	MW 8DD 091818	MW-8DD-112818
			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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-8D	MW-8D	MW-8D	MW-8D	MW-8D	MW-08D	MW-08D	MW-08D	MW-08D
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/21/2016	4/13/2017	6/28/2017	9/13/2017	12/20/2017	3/14/2018	6/19/2018	9/18/2018	11/28/2018
	Class GA	Sample ID	MW-8D-122116	MW-8D-041317	MW-8D-062817	MW-8D-091317	MW-8D-122017	MW 8D 031418	MW 8D 061918	MW 8D 091818	MW-8D-112818
	GW Stds		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	(ug/l)										
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U F2
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		0.86 J	0.66 J	0.62 J	0.75 J	0.89 J	0.48 J	0.84 J	0.95 J	0.55 J
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U * F1
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 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
Benzene	1		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U F2
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	0.24 J	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	0.24 J B
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U * F1
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 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
Methylene chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U * F1
Trichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2		1 U	1.6	0.96 J	1 U	1.0 U	0.99 J	1.0	0.97 J	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-8S	MW-8S	MW-8S	MW-8S	MW-8S	MW-08S	MW-08S	MW-08S	MW-08S
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/21/206	4/12/2017	6/28/2017	9/13/2017	12/20/217	3/14/2018	6/19/2018	9/18/2018	11/28/2018
	Class GA	Sample ID	MW8S 122116	MW8S 041217	MW8S 062817	MW8S 091317	MW8S 122017	MW 8S 031418	MW 8S 061918	MW 8S 061918	MW-8S-112818
	GW Stds		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	(ug/l)										
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U F1	5.0 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U F1	5.0 U	5.0 U	5.0 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
Benzene	1		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		2.1	2.1	2.1	3	1.0 U	2.1	2.6	3.2	2
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 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
Methylene chloride	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		0.55 J	0.61 J	0.58 J	0.74 J	0.86 J	0.65 J	0.53 J	0.58 J	0.66 J
Toluene	5		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5		2.4	3.5	3.1	3	3.3	2.6	2.4	2.9	2.7
Vinyl chloride	2		1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U F1	2.0 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
		Depth Interval	-	-	-	-	-	-	-	-	-
		Sample Date	12/20/2016	4/12/2017	6/27/2017	9/12/2017	12/21/2017	3/15/2018	6/20/2018	9/19/2018	11/28/2018
		Sample ID	MW10D 122016	MW10D 041217	MW10D 062717	MW10D 091217	MW10D 122117	MW 10D 031518	MW 10D 062018	MW 10D 091918	MW-10D-112818
			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	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U*	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	3.0 J	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 UF1	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 UF1	1 U *
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U	2.0 U	2 U

NOTES:

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

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

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

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 3
Groundwater Quality Data - VOCs (2016-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/20/2016	12/20/2016	4/11/2017	6/27/2017	9/12/2017	12/21/2017	3/15/2018	6/20/2018	9/19/2018	9/19/2018	11/28/2018	11/28/2018
		Sample ID	MW10S 092016	MW10S 122016	MW10S 041117	MW10S 062717	MW10S 091217	MW10S 122117	MW 10S 031518	MW 10S 062018	MW 10S 091918	X-1	MW-10S-112818	X-1-112818
			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	1.0 U	1.0 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	1.0 U	1.0 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	1.0 U	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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	1.0 U	1.0 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	1.0 U	1.0 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	5.0 U	5.0 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	5.0 U	5.0 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	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
cis-1,2-Dichloroethene	5		**[14]**	**[13]**	1.2	1.3	**[29]**	3.3	2.9	**[12]**	**[37]**	**[30]**	1	1.1
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *	1 U *
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 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	1.0 U	1.0 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	1.0 U	1.0 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	1.0 U	1.0 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	1.0 U	1.0 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	1.0 U	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Vinyl chloride	2		**[2.8]**	1.4	1 U	1 U	**[6.6]**	1 U	1.0 U	**[2.3]**	**[4.9]**	**[4.0]**	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 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/RPD exceeds the control limits

[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard

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

Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/11/1995	11/13/1995	7/22/1997	9/15/1997	2/14/2000	8/13/2001	11/26/2001	2/25/2002	2/25/2002	5/13/2002	5/13/2002
	Class GA	Sample ID	MW-01D_WG_091195	MW-01D_WG_111395	MW-01D_WG_072297	MW-01D_WG_091597	MW-01D_WG_021400	MW-01D_WG_081301	MW-01D_WG_112601	MW-01D_WG_022502	MW-01D_WG_022502_DUP	MW-01D_WG_051302	MW-01D_WG_051302_DUP
	GW Stds		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	(ug.l)												
1,1,1-Trichloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5		10 U	10 U	1 U	1 U	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		10 U	10 U	1 U	1 U	---	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		12	10 U	2 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		2	10 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	0.5 J	0.5 U	0.2 J	0.1 J	0.1 J	0.1 J	0.5 U
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		13 U	10 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-1D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	
		Sample Date	39384.56944	05/21/2008	11/18/2008	10/19/2009	5/18/2010	1/19/2011	4/18/2011	7/26/2011	10/25/2011	3/20/2012	8/7/2012
		Sample ID	MW-1D-102907	MW-1D-052108	MW-1D	MW-1D-10190910192009	MW-1D-05181005182010	MW-1D-01192011	MW-1D-041811	MW-1D072611	MW1D102511	MW1D032012	MW1D080712
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	0.61 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
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	X-1	MW-1D	MW-1D	MW-1D	MW-1D	X-1	MW-1D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	6/23/2015	6/23/2015	9/21/2015	1/12/2016	1/12/2016	3/28/2016	6/21/2016	9/20/2016	12/20/2016	12/20/2016	4/11/2017
		Sample ID	MW1D 062315	MW1D 062315	MW1D 092115	MW1D 011216	MW1D 011216	MW1D 032816	MW1D 062116	MW1D 092016	MW1D 122016	MW1D 122016	MW1D 04112017
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	----	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U *	10 U *	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.22 J
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/11/1995	11/13/1995	7/22/1997	9/15/1997	2/14/2000	8/13/2001	11/26/2001	11/26/2001	2/25/2002	5/13/2002	2/3/2004
	Class GA	Sample ID	MW-01S_WG_091195	MW-01S_WG_111395	MW-01S_WG_072297	MW-01S_WG_091597	MW-01S_WG_021400	MW-01S_WG_081301	MW-01S_WG_112601	MW-01S_WG_112601_DUP	MW-01S_WG_022502	MW-01S_WG_051302	MW-01S_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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		10 U	10 U	1 U	1 U	---	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 U	10 U	2 U	2 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	2 U	2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		1	10 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5		10 U	10 U	1 U	1 U	1 U	0.3 J	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	4 U	4 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		12 U	10 U	1 U	1 U	2 U	2 J	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-01S	MW-1S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	
		Sample Date	5/21/2008	5/21/2008	11/18/2008	10/19/2009	5/18/2010	1/19/2011	4/18/2011	7/26/2011	10/25/2011	3/20/2012	8/7/2012
	Class GA	Sample ID	BLIND DUP	MW-1S-052108	MW-1S	MW-1S-10190910192009	MW-1S-05181005182010	MW-1S-01192011	MW-1S-041811	MW-1S072611	MW1S102511	MW1S032012	MW1S080712
	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		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	0.69 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 U	0.5 U	0.5 U	1.9	1 U	1 U	1 U	0.83 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1 U	1 U	1 U	0.67 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/14/1995	11/13/1995	7/24/1997	7/24/1997	9/17/1997	2/17/2000	8/15/2001	11/29/2001	2/28/2002	5/14/2002	7/30/2003
	Class GA	Sample ID	MW-04D_WG_091495	MW-04D_WG_111395	MW-04D_WG_072497	MW-04D_WG_072497_DUP	MW-04D_WG_091797	MW-04D_WG_021700	MW-04D_WG_081501	MW-04D_WG_112901	MW-04D_WG_022802	MW-04D_WG_051402	MW-04D_WG_073003
	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	**[11]**	0.6	2	2	2	0.5 U
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		3	2	3.2	3.4	3.5	**[30]**	4	**[14]**	**[18]**	**[19]**	0.8
1,1-Dichloroethene	5		10 U	10 U	1 U	1 U	1 U	0.7	0.5 U	0.2 J	0.2 J	0.2 J	0.5 U
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	1 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		10 U	10 U	1.1	1.4	1.5	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	2 U	2 U	2 U	10 U	10 U	10 U	10 U	10 U	1 J
Benzene	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		10 U	10 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	1 U	0.5 J	1 U	0.4 J	0.5 J	0.5 J	1 U
Chloroform	7		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	---	**[11]**	0.8	2	3	3	0.9
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5		10 U	10 U	1 U	1 U	1 U	0.2 J	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	4 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		10 U	10 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	---	0.9	0.5 U	0.3 J	0.3 J	0.3 J	0.5 U
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	1 U	0.4 J	0.5 U	0.1 J	0.1 J	0.1 J	0.5 U
Vinyl chloride	2		10 U	10 U	**[2.4]**	**[2.6]**	**[3.1]**	**[20]**	1	**[5]**	**[6]**	**[7]**	1
Xylenes, Total	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

NOTES:
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Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug.l)	Location ID	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-04D	MW-4D
		Depth Interval	-	-	-	-	-	-	-	-	-	-	
		Sample Date	10/31/2007	5/23/2008	11/19/2008	10/21/2009	5/19/2010	1/20/2011	4/21/2011	7/28/2011	10/26/2011	3/22/2012	8/9/2012
		Sample ID	MW 4-D-103107	MW-4D-052208	MW-4D	MW-4D-10210910212009	MW-4D-05191005192010	MW-4D-01202011	MW-4D-042111	MW-4D 072811	MW4D102611	MW4D032212	MW4D080912
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
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 - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

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Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S
		Depth Interval	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	9/14/1995	11/13/1995	7/24/1997	9/17/1997	9/17/1997	2/17/2000	8/15/2001	11/29/2001	2/28/2002	5/14/2002	7/31/2003
	Class GA	Sample ID	MW-04S_WG_091495	MW-04S_WG_111395	MW-04S_WG_072497	MW-04S_WG_091797	MW-04S_WG_091797_DUP	MW-04S_WG_021700	MW-04S_WG_081501	MW-04S_WG_112901	MW-04S_WG_022802	MW-04S_WG_051402	MW-04S_WG_073103
	GW Stds		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Chemical Name	(ug.l)												
1,1,1-Trichloroethane	5		10 U	10 U	1 U	1 U	1 U	0.2 J	0.5 U	0.2 J	0.1 J	0.2 J	0.5 U
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	1 U	1 U	1 U	0.4 J	0.3 J	0.4 J	0.3 J	0.5 J	0.2 J
1,1-Dichloroethene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		10 U	10 U	1 U	1 U	1 U	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	2 U	2 U	2 U	10 U	10 J	10 U	10 U	10 U	1 J
Benzene	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J
Bromodichloromethane	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		10 U	10 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	---	0.5 U	0.1 J	0.5 U	0.5 U	0.5 U	0.1 J
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J
Methyl chloride	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	4 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		10 U	10 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6
trans-1,2-Dichloroethene	5		---	---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	1 U	0.2 J	0.5 U	0.1 J	0.1 J	0.2 J	0.5 U
Vinyl chloride	2		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

NOTES:
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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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-04S	MW-4S
		Depth Interval	-	-	-	-	-	-	-	-		-	
		Sample Date	10/31/2007	5/22/2008	11/18/2008	10/21/2009	5/19/2010	1/20/2011	4/21/2011	7/28/2011	10/27/2011	3/22/2012	8/9/2012
	Class GA	Sample ID	MW 4-S-103107	MW-4S-052208	MW-4S	MW-4S-10210910212009	MW-4S-05191005192010	MW-4S-01202011	MW-4S-042111	MW-4S 072811	MW4S102711	MW4S032212	MW4S080912
	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		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.11 JH	0.5 U	0.18 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		1.28 JH	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	3.4 J	10 U
Benzene	1		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.5 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.11 JH	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 HU	1 U	1 U	1 U	1 U	0.55 J	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 HU	10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 HU	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1 HU	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

NOTES:
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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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D	MW-05D
		Depth 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
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	0.9	1	0.6	0.6	0.5 J	0.42 J	0.3 J	0.22 J	0.19 J	0.11 JH
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
1,1-Dichloroethane	5		3	3	4	2	3	2.4	2.42	1.9	1.49	1.32	1.08 H
1,1-Dichloroethene	5		0.5 U	0.1 J	0.2 J	0.1 J	0.1 J	1 U	0.1 J	0.5 U	0.5	0.5 U	0.5 HU
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5	5 U	5 HU
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5	5 U	5 HU
Acetone	50		2 J	4 J	10 U	3 J	10 U	2.2 J	10 U	10 U	10	10 U	10 HU
Benzene	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Bromoform	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1	1 U	1 HU
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1	1 U	1 HU
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
cis-1,2-Dichloroethene	5		**[7]**	**[6]**	**[8]**	4	4	4.6	4.39	3.46	3.05	2.93	2.28 H
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	**[0.5]**	0.5 U	0.5 HU
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1	1 U	1 HU
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10	10 U	10 HU
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	0.56 J	2 U	2 U	2	2 U	2 HU
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
Toluene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
trans-1,2-Dichloroethene	5		0.1 J	0.1 J	0.5 U	0.1 J	0.5 U	1 U	0.5 U	0.5 U	0.5	0.5 U	0.5 HU
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	**[0.5]**	0.5 U	0.5 HU
Trichloroethene	5		0.2 J	0.1 J	0.2 J	0.1 J	0.1 J	1 U	0.13 J	0.1 J	0.5	0.13 J	0.5 HU
Vinyl chloride	2		**[5]**	**[4]**	**[5]**	**[3]**	**[3]**	**[3.08]**	**[2.86]**	**[2.39]**	1.87	1.8	1.66 H
Xylenes, Total	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1 U	1 U	1	1 U	1 HU

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
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-5D	MW-5D
		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

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 (1995-2018)
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	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
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.59 J	0.62 J	0.79 J	0.55 J	0.62 J	0.49 J	1 U	1 U	0.57 J	0.55 J	0.6 J
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U*	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U *
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1	1.4	0.97 J	0.92 J	1 U	1 U	1 U	1 U	1 U	0.92 J
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	0.94 J	0.94 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-5D	MW-5D
		Depth Interval	-	-
		Sample Date	9/19/2018	11/28/2018
		Sample ID	MW-5D-091918	MW-5D-112818
			ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1 U
1,1-Dichloroethane	5		0.50 J	1 U
1,1-Dichloroethene	5		1.0 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---
1,2-Dichloropropane	1		1.0 U	1 U
2-Hexanone	50		5.0 U	5 U *
4-Methyl-2-pentanone	NS		5.0 U*	5 U
Acetone	50		10 U	10 U
Benzene	1		1.0 U	1 U
Bromodichloromethane	50		1.0 U	1 U
Bromoform	50		1.0 U	1 U
Bromomethane	5		1.0 U	1 U
Carbon disulfide	60		1.0 U	1 U
Carbon tetrachloride	5		1.0 U	1 U
Chlorobenzene	5		1.0 U	1 U
Chloroethane	5		1.0 U	1 U
Chloroform	7		1.0 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1 U *
Dibromochloromethane	50		1.0 U	1 U
Ethylbenzene	5		1.0 U	1 U
Methyl chloride	5		1.0 U	1 U
Methyl ethyl ketone	50		10 U	10 U
Methylene chloride	5		1.0 U	1 U
Styrene	5		1.0 U	1 U
Tetrachloroethene	5		1.0 U	1 U
Toluene	5		1.0 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1 U *
Trichloroethene	5		1.0 U	1 U
Vinyl chloride	2		1.0 U	1 U
Xylenes, Total	5		2.0 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 (1995-2018)
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

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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - 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 (1995-2018)
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	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	1 U	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	2.4	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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	Depth Interval	Sample Date	Sample ID	Units
		MW-5S	-	8/9/2012	MW5S080912	ug/l
		MW-5S	-	12/19/2012	MW-5S-121912	ug/l
		MW-5S	-	5/22/2013	MW-5S-052213	ug/l
		MW-5S	-	8/21/2013	MW-5S-082113	ug/l
		MW-5S	-	12/19/2013	MW-5S-121913	ug/l
		MW-5S	-	3/27/2014	MW-5S-032714	ug/l
		MW-5S	-	6/10/2014	MW-5S-061014	ug/l
		MW-5S	-	9/25/2014	MW 5S 092514	ug/l
		MW-5S	-	12/9/2014	MW 5S 120914	ug/l
		MW-5S	-	3/17/2015	MW5S 031715	ug/l
		MW-5S	-	6/23/2015	MW5S 062315	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 (1995-2018)
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-05S	MW-05S
		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	3/15/2018	6/19/2018
		Sample ID	MW5S 092315	MW5S 011316	MW-5S-033016	MW-5S-062116	MW-5S-092016	MW-5S-122016	MW-5S-041217	MW-5S-062717	MW-5S-091417	MW-5S-122117	MW 5S 031518	MW 5S 061918
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		**[8.8]**	**[7.9]**	**2.8**	**[15]**	**[15]**	**[22]**	1.2	3.1	12	13	3.4	**[9.7]**
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,1-Dichloroethane	5		**[59]**	**[27]**	**[8.9]**	**[43]**	**[33]**	**[38]**	**[6]**	0.84 J	**[92]**	**[86]**	**[14]**	**[67]**
1,1-Dichloroethene	5		2.3	1.7	0.83 J	2.2	2.8	2	0.45 J	0.57 J	**[5.8]**	**[8.2]**	1.3	3.6
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	5		---	---	----	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
Acetone	50		10 U	10 U *	10 U*	6 J	3.5 J	10 U	10 U	10 U	10 U	10 U	10 U	3.7 J
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon disulfide	60		1 U	1 U	1 U	0.41 J	0.19 J	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5		**[82]**	**[38]**	**[16]**	**[97]**	**[58]**	**[180] F1**	**[5.6]**	3.8	**[88]**	**[76]**	**[16]**	**[77]**
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Tetrachloroethene	5		1 U	0.71 J	1 U	1 U	1 U	0.7 J	1 U	1 U	0.51 J	0.49 J	1.0 U	1.0 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5		1	1.4	1 U	0.94 J	1 U	2.2	1 U	1 U	3.2	4	1.0 U	0.98 J
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Trichloroethene	5		**[10]**	**[12]**	**[8.7]**	**[22]**	**[20]**	**[92]**	2.2	**[6.7]**	**[33]**	**[26]**	**[9.5]**	**[34]**
Vinyl chloride	2		**[12]**	1 U	1 U	**[7.3]**	**[4.9]**	1 U	1 U	1 U	2.1	1 U	1.0 U	**[5.2]**
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	2.0 U

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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-05S	MW-05S
		Depth Interval	-	-
		Sample Date	9/19/2018	11/29/2018
		Sample ID	MW 5S 091918	MW-5S-112918
			ug/l	ug/l
1,1,1-Trichloroethane	5		**[6.8]**	3.3
1,1,2,2-Tetrachloroethane	5		1.0 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1 U
1,1-Dichloroethane	5		**[60]**	3.7
1,1-Dichloroethene	5		3.3	0.35 J
1,2-Dichloroethane	0.6		1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---
1,2-Dichloropropane	1		1.0 U	1 U
2-Hexanone	50		5.0 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5 U
Acetone	50		10 U	10 U
Benzene	1		1.0 U	1 U
Bromodichloromethane	50		1.0 U	1 U
Bromoform	50		1.0 U	1 U
Bromomethane	5		1.0 U	1 U
Carbon disulfide	60		1.0 U	1 U
Carbon tetrachloride	5		1.0 U	1 U
Chlorobenzene	5		1.0 U	1 U
Chloroethane	5		1.0 U	1 U
Chloroform	7		1.0 U	1 U
cis-1,2-Dichloroethene	5		**[45]**	**[11]**
cis-1,3-Dichloropropene	0.4		1.0 U	1 U
Dibromochloromethane	50		1.0 U*	1 U
Ethylbenzene	5		1.0 U	1 U
Methyl chloride	5		1.0 U	1 U
Methyl ethyl ketone	50		10 U	10 U
Methylene chloride	5		1.0 U	1 U
Styrene	5		1.0 U	1 U
Tetrachloroethene	5		1.0 U	1 U
Toluene	5		1.0 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1 U
Trichloroethene	5		**[22]**	**[12]**
Vinyl chloride	2		2.1	1 U
Xylenes, Total	5		2.0 U	2 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
		Depth 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
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		10 U	10 U	10 U	0.7	1 U	1	0.5 J	0.8	0.9	0.8 J	0.6
1,1,2,2-Tetrachloroethane	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	10 U	**[5.8]**	3.6	2	2	2	2	1	1
1,1-Dichloroethene	5		10 U	10 U	10 U	1 U	1 U	0.3 J	0.1 J	0.2 J	0.5 U	0.2 J	0.2 J
1,2-Dichloroethane	0.6		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-Dichloroethene (Total)	5		**[6]**	**[6]**	**[17]**	**[14]**	**[35]**	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
2-Hexanone	50		10 U	10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	10 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	10 U	2 U	2 U	5 U	5 U	5 U	5 U	10 U	5 U
Acetone	50		10 U	10 U	10 U	2 U	2 U	10 U	10 J	10 U	10 U	20 U	10 U
Benzene	1		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Bromodichloromethane	50		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Bromoform	50		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Bromomethane	5		10 U	10 U	10 U	2 U	2 U	1 U	1 U	1 U	1 U	2 U	1 U
Carbon disulfide	60		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	1	0.5 U	1 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Chlorobenzene	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Chloroethane	5		10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Chloroform	7		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
cis-1,2-Dichloroethene	5		---	---	---	---	---	**[43]**	**[20]**	**[34]**	**[36]**	**[35]**	**[21]**
cis-1,3-Dichloropropene	0.4		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Dibromochloromethane	50		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Ethylbenzene	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Methyl chloride	5		10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	4 U	4 U	10 U	10 U	10 U	10 U	20 U	10 U
Methylene chloride	5		10 U	10 U	10 U	1 U	1 U	2 U	2 U	2 U	2 U	4 U	2 U
Styrene	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Tetrachloroethene	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Toluene	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	---	2	0.2 J	0.4 J	0.5 J	0.4 J	0.4 J
trans-1,3-Dichloropropene	0.4		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Trichloroethene	5		10 U	10 U	10 U	1 U	1 U	0.5	0.2 J	0.3 J	0.3 J	0.3 J	0.3 J
Vinyl chloride	2		10 U	10 U	**[51]**	**[22]**	**[45]**	**[44]**	**[24]**	**[40] D**	**[39]**	**[37]**	**[24]**
Xylenes, Total	5		10 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - 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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
		Depth 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
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		0.1 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

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 (1995-2018)
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-10210910212009	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

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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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-6D	MW-6D	MW-6D	X-1	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D
		Depth 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
			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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
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
		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
		Sample ID	MW6D 062415	MW6D 092215	MW6D 011216	MW6D 032916	MW6D 062116	MW6D 092016	MW6D 122016	MW6D 041117	MW6D 062717	MW6D 091217
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	0.72 J	0.54 J	0.56 J	0.61 J	0.66 J	0.59 J	0.71 J	0.51 J	0.6 J
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	----	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U *	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.5	1.6	1.7	1.5	1.5	1.4	1.3	1.1	1.3	1.4
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.5 ^	**[2]**	1.5	1.2	1.3	1.4	1.4	1.2	1.4	1.4
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID: MW-6D	MW-06D	MW-06D	MW-06D	MW-06D
		Depth Interval: -	-	-	-	-
		Sample Date: 12/20/217	3/14/2018	6/20/2018	9/19/2018	11/27/2018
		Sample ID: MW6D 122017	MW 6D 031418	MW 6D 062018	MW 6D 091918	MW-6D-112718
		ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5	0.56 J	0.58 J	0.59 J	0.62 J	0.4 J
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5	---	---	---	---	---
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS	5.0 U	5.0 U	5.0 U	5.0 U*	5 U
Acetone	50	10 U	10 U	10 U	10 U	10 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5	1.3	1.0	1.1	1.3	0.84 J
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl ethyl ketone	50	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2	1.3	1.1	1.2	1.3	1 U
Xylenes, Total	5	2.0 U	2.0 U	2.0 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 4
Groundwater Quality Data - VOCs (1995-2018)
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	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
Chemical Name	Class GA GW Standards (ug/l)												
1,1,1-Trichloroethane	5		10 U	10 U	1 U	1 U	1 U	0.2 J	0.5 U	0.2 J	0.1 J	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5		10 U	10 U	1 U	1 U	1 U	2	1	2	1	0.9	0.4 J
1,1-Dichloroethene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (Total)	5		4	10 U	3.1	2.6	2.5	---	---	---	---	---	---
1,2-Dichloropropane	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50		10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		10 U	10 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		18	10 U	2 U	2 U	2 U	10 U	10 J	10 U	10 U	10 U	10 U
Benzene	1		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5		10 U	10 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5		10 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J
cis-1,2-Dichloroethene	5		---	---	---	---	---	2	3	2	1	2	**[6]**
cis-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl chloride	5		**[5]**	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	4 U	4 U	4 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		10 U	10 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5		---	---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5		10 U	10 U	1 U	1 U	1 U	0.2 J	0.5 U	0.2 J	0.5 U	0.5 U	0.2 J
Vinyl chloride	2		10 U	10 U	1 U	1 U	1 U	0.3 J	0.8 J	0.4 J	0.4 J	0.2 J	0.7 J
Xylenes, Total	5		10 U	10 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
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	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	0.5 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 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 - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

Chemical Name	Class GA GW Standards (ug/l)	Location ID	Depth Interval	Sample Date	Sample ID	
		MW-6S	-	3/25/2014	MW-6S-032514	ug/l
		MW-6S	-	6/11/2014	MW-6S-061114	ug/l
		MW-6S	-	9/23/2014	MW6S092314	ug/l
		MW-6S	-	12/10/2014	MW 6S 121014	ug/l
		MW-6S	-	3/17/2015	MW-6S 031715	ug/l
		MW-6S	-	6/24/2015	MW6S-062415	ug/l
1,1,1-Trichloroethane	5	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
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	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
1,2-Dichloroethene (Total)	5	---	---	---	---	---
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50	5 U	5 I	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	5 U	5 I	5 U	5 U	5 U
Acetone	50	10 U	10 U	3.6 J	10 U	4.3 J
Benzene	1	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U*	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	**[73]**	**[17]**	**[17]**	**[11]**	**[8.7]**
cis-1,3-Dichloropropene	0.4	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
Ethylbenzene	5	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
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 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	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
trans-1,2-Dichloroethene	5	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
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	1 U	**[3.1]**	1.4	**[4.6]**	**[3.2]**	1 ^
Xylenes, Total	5	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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Standards (ug/l)	Location ID	MW-6S	MW-06S	MW-06S	MW-06S	MW-06S
		Depth Interval	-	-	-	-	-
		Sample Date	12/20/2017	3/15/2018	6/20/2018	9/20/2018	11/29/2018
		Sample ID	MW6S 122017	MW 6S 031518	MW 6S 062018	MW 6S 092018	MW-6S-112918
			ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5 U
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		4.7	**[28]**	**[6.3]**	**[15]**	**[13]**
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U*	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Trichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2		1.0 U	**[29]**	1.0 U	**[19]**	**[22]**
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 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 (1995-2018)
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

NOTES:
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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
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	-	-	-	-	-	-	-	-	-	-	-
		Sample Date	4/25/2006	11/15/2006	5/2/2007	10/30/2007	5/22/2008	11/19/2008	10/21/2009	05/19/2010	01/19/2011	4/20/2011	7/26/2011
		Sample ID	MW-6DD_04252006	MW-6DD_11152006	MW-6DD_050207	MW 6 DD-103007	MW 6 DD-052208	MW 6 DD-111908	MW-6DD-10212009	MW-6DD-05191005192010	MW-6DD-01192011	MW-6DD-042011	MW-6DD072611
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.24	1.48	2.01	1.1 H	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		**[5.22]**	4.38	4.52	4.49 H	2.41	2.36	1.8	1.3	2.2	2	2.6
1,1-Dichloroethene	5		0.22 J	0.22 J	0.24 J	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.00 U	10 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.00 U	10 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10.0 U	20 U	10 U	10 HU	10 U	10 U	5 U	3.4 J	10 U	10 U	10 U
Benzene	1		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.50 U	1 U	0.5 U	0.5 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.00 U	2 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.00 U	2 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		**[15.8]**	**[16.4]**	**[13.7]**	**[18.4] H**	**[15.2]**	**[14.9]**	**[14]**	2.8	**[11]**	**[8.5]**	**[26]**
cis-1,3-Dichloropropene	0.4		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.00 U	2 U	1 U	1 HU	1 U	1 U	---	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10.0 U	20 U	10 U	10 HU	10 U	10 U	---	5 U	10 U	10 U	10 U
Methylene chloride	5		2.00 U	4 U	2 U	2 HU	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	0.78 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.19 J	0.30 J	0.26 J	0.17 JH	0.23 J	0.5 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.50 U	1 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.89	1.2	0.82	0.17 JH	0.18 J	0.1 J	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		**[13.4]**	**[10.6]**	**[8.17]**	**[10.1] H**	**[12.5]**	**[13]**	**[21]**	**[5.2]**	**[13]**	**[7.5]**	**[16]**
Xylenes, Total	5		1.00 U	2 U	1 U	1 HU	1 U	1 U	2 U	2 U	2 U	2 U	2 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-6DD	MW-06DD	MW-06DD	MW-6DD	MW-6DD
		Depth Interval	-	-	-	-	-
		Sample Date	12/20/2017	3/15/2018	6/20/2018	9/19/2018	11/28/2018
		Sample ID	MW6DD 122017	MW 6DD 031518	MW 6DD 062018	MW 6DD 091918	MW-6DD-112818
			ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1.0 U	0.82 J	0.64 J	0.51 J	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U*	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		**[17]**	**[24]**	**[25]**	**[13]**	**[11]**
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	0.39 J	1.0 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5		1.0 U	0.82 J	1.0 U	1.0 U	1 U
Vinyl chloride	2		1.0 U	**[3.9]**	**[5.3]**	**[4.9]**	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
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Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-07S	MW-7S	MW-7S
		Depth Interval	-	-	-	-	-	-	-	-	-		-
		Sample Date	5/21/2008	11/20/2008	10/20/2009	05/17/2010	01/18/2011	4/19/2011	7/27/2011	10/26/2011	3/21/2012	8/8/2012	12/18/2012
		Sample ID	MW 7-S-052108	MW 7-S-112008	MW-7S-10202009	MW-7S-05171005172010	MW-7S-01182011	MW-7S-041911	MW-7S072711	MW7S102611	MW7S032112	MW7S080812	MW-7S-121812
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	5 U	5 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.35 J	0.34 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	---	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	---	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.44 J	0.69	1 U	1 U	0.58 J	1 U	1 U	0.41 J	0.44 J	0.67 J	1 U
Toluene	5		0.5 U	0.5 U	2.3	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1.42	1.25	1 U	0.86 J	1.4	1 U	1 U	0.86 J	1.3	1.7	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
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[ ] - 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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07S	MW-07S
		Depth Interval	-	-
		Sample Date	9/18/2018	11/28/2018
		Sample ID	MW 7S 091818	MW-7S-112818
			ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1 U
1,1-Dichloroethane	5		1.0 U	1 U
1,1-Dichloroethene	5		1.0 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---
1,2-Dichloropropane	1		1.0 U	1 U
2-Hexanone	50		5.0 U	5 U *
4-Methyl-2-pentanone	NS		5.0 U*	5 U
Acetone	50		10 U	10 U
Benzene	1		1.0 U	1 U
Bromodichloromethane	50		1.0 U	1 U
Bromoform	50		1.0 U	1 U
Bromomethane	5		1.0 U	1 U
Carbon disulfide	60		0.28 J	1 U
Carbon tetrachloride	5		1.0 U	1 U
Chlorobenzene	5		1.0 U	1 U
Chloroethane	5		1.0 U	1 U
Chloroform	7		1.0 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1 U *
Dibromochloromethane	50		1.0 U	1 U
Ethylbenzene	5		1.0 U	1 U
Methyl chloride	5		1.0 U	1 U
Methyl ethyl ketone	50		10 U	10 U
Methylene chloride	5		1.0 U	1 U
Styrene	5		1.0 U	1 U
Tetrachloroethene	5		0.47 J	0.39 J
Toluene	5		1.0 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1 U *
Trichloroethene	5		1.2	1.1
Vinyl chloride	2		1.0 U	1 U
Xylenes, Total	5		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 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-07D	MW-7D
		Depth Interval	-	-	-	-	-	-	-			-	
		Sample Date	5/21/2008	11/20/2008	10/20/2009	05/17/2010	1/18/2011	4/19/2011	7/27/2011	10/25/2011	10/25/2011	3/21/2012	8/8/2012
		Sample ID	MW 7-D-052108	MW 7-D-112008	MW-7D-10202009	MW-7D-05171005172010	MW 7-D-01182011	MW-7D-041911	MW-7D072711	MW7D102511	X-1	MW7D032112	MW7D080812
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.52	0.41 J	1 U	1 U	0.74 J	1 U	0.65 J	1 U	1 U	0.4 J	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		2.86	2.33	2.3	2.1	3.9	0.92 J	4.2	1 U	2	2.4	0.86 J
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	---	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	---	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.12 J	0.3 J	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U
Toluene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.51	0.88	0.82 J	0.67 J	1 U	0.48 J	1 U	0.69 J	4.1	0.55 J	0.82 J
Vinyl chloride	2		**[2.03]**	1.08	1.3	1.6	**[4.6]**	1 U	**[7.8]**	1 U	1 U	2.1	1 U
Xylenes, Total	5		1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07D	MW-07D
		Depth Interval	-	-
		Sample Date	9/18/2018	11/28/2018
		Sample ID	MW 7D 091818	MW-7D-112818
			ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1 U
1,1-Dichloroethane	5		1.0 U	1 U
1,1-Dichloroethene	5		1.0 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---
1,2-Dichloropropane	1		1.0 U	1 U
2-Hexanone	50		5.0 U	5 U *
4-Methyl-2-pentanone	NS		5.0 U	5 U
Acetone	50		10 U	10 U
Benzene	1		1.0 U	1 U
Bromodichloromethane	50		1.0 U	1 U
Bromoform	50		1.0 U	1 U
Bromomethane	5		1.0 U	1 U
Carbon disulfide	60		1.0 U	1 U
Carbon tetrachloride	5		1.0 U	1 U
Chlorobenzene	5		1.0 U	1 U
Chloroethane	5		1.0 U	1 U
Chloroform	7		1.0 U	1 U
cis-1,2-Dichloroethene	5		0.92 J	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1 U *
Dibromochloromethane	50		1.0 U	1 U
Ethylbenzene	5		1.0 U	1 U
Methyl chloride	5		1.0 U	1 U
Methyl ethyl ketone	50		10 U	10 U
Methylene chloride	5		1.0 U	1 U
Styrene	5		1.0 U	1 U
Tetrachloroethene	5		1.0 U	0.36 J
Toluene	5		1.0 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1 U *
Trichloroethene	5		0.98 J	0.94 J
Vinyl chloride	2		1.0 U	1 U
Xylenes, Total	5		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 4
Groundwater Quality Data - VOCs (1995-2018)
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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD	MW-07DD
		Depth Interval	-	-	-	-			-	-	-	-	-
		Sample Date	4/26/2006	11/15/2006	5/2/2007	10/31/2007	5/22/2008	11/20/2008	10/20/2009	5/17/2010	1/18/2011	4/19/2011	7/27/2011
		Sample ID	MW-7DD (2)_04262006	MW-7DD(2)_11152006	MW-7DD (2)_050207	MW 7-DD 2-103107	MW 7-DD 2-052208	MW 7-DD 2-112008	MW-7DD-10202009	MW-7DD-05171005172010	MW-7DD-01182011	MW-7DD-041911	MW-7DD072711
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.00 U	5 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.00 U	5 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		1.23 J	10 U	10 U	3.39 JH	10 U	10 U	5 U	5 U	10 U	10 U	10 U
Benzene	1		0.50 U	**[1.18]**	0.5 U	0.28 JH	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.50 U	0.5 U	0.5 U	0.5 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.00 U	1 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.50 U	0.20 J	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.50 U	0.13 J	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.00 U	1 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.36 J	0.40 J	0.25 J	0.37 JH	0.29 J	0.25 J	0.88 J	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.00 U	1 U	1 U	1 HU	1 U	1 U	---	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10.0 U	10 U	10 U	10 HU	10 U	10 U	---	5 U	10 U	10 U	10 U
Methylene chloride	5		2.00 U	2 U	2 U	2 HU	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.15 J	0.10 J	0.23 J	0.1 JH	0.3 J	0.41 J	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	0.7 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.50 U	0.5 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.53	0.48 J	0.47 J	0.55 H	0.79	0.7	1 U	1 U	1 U	0.46 J	1 U
Vinyl chloride	2		1.00 U	1 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1.00 U	1 U	1 U	1 HU	1 U	1 U	2 U	2 U	2 U	2 U	2 U

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Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-08S	MW-8S	MW-8S
		Depth Interval			-	-	-	-	-		-		-
		Sample Date	5/22/2008	11/18/2008	10/20/2009	05/18/2010	01/18/2011	4/19/2011	7/27/2011	10/25/2011	3/21/2012	8/8/2012	12/18/2012
		Sample ID	MW8-S-052208	MW8-S-111808	MW-8S-10202009	MW-8S-05181005182010	MW-8S-01182011	MW-8S-041911	MW-8S072711	MW8S102511	MW8S032112	MW8S080812	MW-8S-121812
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	1 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	0.6 J	1.8	3.4	2.3	1.2	2	4	2.8	2.6
cis-1,2-Dichloroethene	5		1.45	1.48	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	---	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:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - 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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

NOTES:
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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
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

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Data have not been validated

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Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-08D	MW-8D	MW-8D	MW-8D
		Depth Interval	-	-			-	-		-		-	-
		Sample Date	11/18/2008	10/20/2009	05/18/2010	01/19/2011	4/19/2011	7/27/2011	10/25/2011	3/21/2012	8/8/2012	12/18/2012	5/22/2013
		Sample ID	MW8-D-111808	MW-8D-10202009	MW-8D-05181005182010	MW-8D-01192011	MW-8D-041911	MW-8D072711	MW8D102511	MW8D032112	MW8D080812	MW-8D-121812	MW-8D-052213
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.48 J	1 U	1 U	1 U	0.49 J	1 U	0.38 J	1 U	0.44 J	0.52 J	1 U
1,1-Dichloroethene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.52 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		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		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		0.5 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		0.5 U	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		2.72	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		0.5 U	---	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		1 U	---	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 U	3.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		**[9.24]**	**[2]**	**[4.9]**	**[8.3]**	**[7.1]**	**[5.4]**	**[4.5]**	**[4.9]**	**[5.2]**	**[5.9]**	**[3.8]**
Xylenes, Total	5		1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - 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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

NOTES:
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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		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
	Class GA	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
	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		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
1,1-Dichloroethane	5		1	1	1	0.2 J	1	0.9	1	0.7	0.8	0.66	0.73
1,1-Dichloroethene	5		0.1 J	0.1 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.00 U	5.00 U
Acetone	50		10 U	10 U	10 U	10 U	1 J	10 U	10 U	2 J	10 U	1.34 J	10.0 U
Benzene	1		0.5 U	0.5 U	0.5 U	0.1 J	0.2 J	0.5 U	0.1 J	0.5 U	0.5 U	0.50 U	0.10 J
Bromodichloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Bromoform	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U
Carbon disulfide	60		0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.1 J	0.5 U	0.1 J	0.17 J	0.14 J
Carbon tetrachloride	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Chlorobenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U
Chloroform	7		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	5		**[8]**	**[11]**	**[12]**	0.7	0.6	0.7	1	0.4 J	0.8	1.56	0.14 J
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Dibromochloromethane	50		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Ethylbenzene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.1 J	0.2 J	0.5 U	0.5 U	0.50 U	0.50 U
Methyl chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.00 U	1.00 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10.0 U	10.0 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.00 U	0.17 J
Styrene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Tetrachloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Toluene	5		0.5 U	0.5 U	0.2 J	0.1 J	0.5	0.3 J	0.1 J	0.5 U	0.5 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	0.50 U
Trichloroethene	5		0.5 U	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.1 J	0.5 U	0.5 U	0.50 U	0.50 U
Vinyl chloride	2		**[15]**	**[14]**	**[16]**	0.8 J	1	1	**[2]**	0.7 J	**[2]**	**[2.99]**	0.25 J
Xylenes, Total	5		0.5 U	0.5 U	0.5	0.5	3	1	0.8	0.2 J	0.5 U	1.00 U	1.00 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

		Location ID	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD	MW-08DD
		Depth Interval	-	-	-	-	-	-	-			-	-
		Sample Date	4/26/2006	11/15/2006	5/2/2007	11/1/2007	5/22/2008	11/18/2008	10/20/2009	05/18/2010	01/18/2011	4/19/2011	7/27/2011
	Class GA	Sample ID	MW-8DD_04262006	MW-8DD_11152006	MW-8DD_050207	MW-8DD-110107	MW-8DD-052208	MW-8DD-111808	MW-8DD-10202009	MW-8DD-05181005182010	MW-8DD-01182011	MW-8DD-041911	MW-8DD072711
	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		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.54	0.48 J	0.41 J	0.28 JH	0.34 J	0.35 J	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5.00 U	5.00 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5.00 U	5.00 U	5 U	5 HU	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10.0 U	10.0 U	10 U	10 HU	10 U	10 U	5 U	5 U	10 U	10 U	10 U
Benzene	1		0.14 J	0.10 J	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		0.50 U	0.50 U	0.5 U	0.5 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1.00 U	1.00 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.22 J	0.10 J	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1.00 U	1.00 U	1 U	1 HU	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.50 U	0.50 U	0.42 J	1.83 H	0.5 U	0.62	1 U	1 U	2	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1.00 U	1.00 U	1 U	1 HU	1 U	1 U	---	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10.0 U	10.0 U	10 U	10 HU	10 U	10 U	---	5 U	10 U	10 U	10 U
Methylene chloride	5		0.23 J	2.00 U	2 U	2 HU	2 U	2 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1.2	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.50 U	0.50 U	0.5 U	0.5 HU	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1.00 U	1.00 U	0.81 J	**[2.47] H**	1 U	1.19	1 U	1.3	**[2.2]**	0.99 J	1 U
Xylenes, Total	5		1.00 U	1.00 U	1 U	1 HU	1 U	1 U	2 U	2 U	2 U	2 U	2 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

NOTES:
U - not detected, J - estimated, D - Diluted Result, H - Holding time exceeded, R - unusable, NS - no standard, Dup - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - 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 (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-8DD	X-1	MW-08DD	MW-08DD	MW-08DD	MW-08DD
		Depth Interval	-	-	-	-	-	-
		Sample Date	12/20/217	12/20/217	3/14/2018	6/19/2018	9/18/2018	11/28/2018
		Sample ID	MW-8DD-122017	MW-8DD-122017	MW 8DD 031418	MW 8DD 061918	MW 8DD 091818	MW-8DD-112818
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,3-Dichloropropene	0.4		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U *
Trichloroethene	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U
Xylenes, Total	5		2.0 U	2.0 U	2.0 U	2.0 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 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

NOTES:
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Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
		Depth Interval	-	-	-	-	-		-			-			
		Sample Date	10/22/2009	05/18/2010	01/20/2011	4/20/2011	7/26/2011	10/27/2011	3/20/2012	8/7/2012	12/19/2012	5/21/2013	8/22/2013
		Sample ID	MW-10S-10222009	MW-10S-05181005182010	MW-10S-01202011	MW-10S-042011	MW-10S072611	MW10S102711	MW10S032012	MW10S080712	MW-10S-121912	MW-10-052113	MW-10-082213
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1.5	1.8	1.2	1 U	1.3	1.2	0.96 J	0.93 J	1.3	1 U	0.91 J
cis-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		---	1 U	0.81 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		---	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
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 - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Trip Blank associated with samples collected on 10/29/07 contained Acetone and Methylene Chloride.
Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
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	11/17/2004	2/15/2005	4/20/2005	9/6/2005	11/14/2005	4/25/2006	11/14/2005	4/25/2006	11/14/2006	5/3/2007	10/30/2007
	Class GA	Sample ID	MW-10D_WG_111704	MW-10D_WG_021505	MW-10D_WG_042005	MW-10D_09062005	MW-10D_11142005	MW-10D_04252006	MW-10D_11142005	MW-10D_04252006	MW-10D_11142006	MW-10D_050307	MW 10 D-103007
	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		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 - duplicate sample, --- Not analyzed, F - MS and/or MSD recovery/RPD exceeds the control limits
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
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Data have not been validated

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

Chemical Name	Class GA GW Stds (ug/l)	Location ID	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
		Depth Interval			-			-	-			-	
		Sample Date	5/22/2008	11/19/2008	10/22/2009	5/18/2010	1/20/2011	7/26/2011	4/20/2011	7/26/2011	10/27/2011	3/20/2012	8/7/2012
		Sample ID	MW 10 D-052208	MW 10 D-111908	MW-10D-10222009	MW-10D-05181005182010	MW-10D-01202011	MW-10D072611	MW-10D-042011	X1072611	MW10D102711	MW10D032012	MW10D080712
			ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl chloride	5		1 U	1 U	---	1 U	0.93 J	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone	50		10 U	10 U	---	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		0.5 U	0.5 U	1 U	1 U	0.91 J	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	5		1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
Forest Glen Superfund Site
Niagara Falls, New York

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

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

Table 4
Groundwater Quality Data - VOCs (1995-2018)
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
		Depth Interval	-	-	-	-	-
		Sample Date	12/21/2017	3/15/2018	6/20/2018	9/19/2018	11/28/2018
		Sample ID	MW10D 122117	MW 10D 031518	MW 10D 062018	MW 10D 091918	MW-10D-112818
			ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U
1,1-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U	1.0 U	1 U
1,2-Dichloroethene (Total)	5		---	---	---	---	---
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U	1.0 U	1 U
2-Hexanone	50		5 U	5.0 U	5.0 U	5.0 U	5 U *
4-Methyl-2-pentanone	NS		5 U	5.0 U	5.0 U	5.0 U*	5 U
Acetone	50		10 U	3.0 J	10 U	10 U	10 U
Benzene	1		1 U	1.0 U	1.0 U	1.0 U	1 U
Bromodichloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1 U
Bromoform	50		1 U	1.0 U	1.0 U	1.0 U	1 U
Bromomethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U
Carbon disulfide	60		1 U	1.0 U	1.0 U	1.0 U	1 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U
Chlorobenzene	5		1 U	1.0 U	1.0 U	1.0 U	1 U
Chloroethane	5		1 U	1.0 U	1.0 U	1.0 U	1 U
Chloroform	7		1 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U
cis-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 U	1 U *
Dibromochloromethane	50		1 U	1.0 U	1.0 U	1.0 U	1 U
Ethylbenzene	5		1 U	1.0 U	1.0 U	1.0 U	1 U
Methyl chloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U
Methyl ethyl ketone	50		10 U	10 U	10 U	10 U	10 U
Methylene chloride	5		1 U	1.0 U	1.0 U	1.0 U	1 U
Styrene	5		1 U	1.0 U	1.0 U	1.0 U	1 U
Tetrachloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U
Toluene	5		1 U	1.0 U	1.0 U	1.0 U	1 U
trans-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U	1.0 UF1	1 U
trans-1,3-Dichloropropene	0.4		1 U	1.0 U	1.0 U	1.0 UF1	1 U *
Trichloroethene	5		1 U	1.0 U	1.0 U	1.0 U	1 U
Vinyl chloride	2		1 U	1.0 U	1.0 U	1.0 U	1 U
Xylenes, Total	5		2 U	2.0 U	2.0 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 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-15-121813 mg/l
Alkalinity (As Caco3)	NS	mg/L	279 B	268	200 B	322 B	288	---	292	218	241	305 B	300
Chloride	250	mg/L	**[1570]**	**[1190]**	**[1860] B**	**[1130]**	**[786]**	**[1370] B**	**[1040]**	**[604 B]**	**[1270 B]**	**[753 B]**	**[557]**
Nitrate (as N)	10	mg/L	0.21	0.15	0.35	0.05 U	0.055	0.22	0.1	3.3	2.6	0.6	0.34
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 H	0.09	0.059	0.037 J
Nitrite-Nitrate Nitrogen	NS	mg/L		---	---		---	---	---	---		---	---
Sulfate	250	mg/l	228	241 B	190	226	227	---	224	**351**	**349**	**[369]**	**[311]**
Total Sulfides	NS	mg/l	0.01	0.1 U	0.1 U	0.1 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		---	---	---	---	---	---	---	---	---	---

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-1S - 3/25/2014 MW-1S-032514 mg/l	MW-1S - 6/9/2014 MW-1S-060914 mg/L	MW-1S 9/23/2014 MW1S092314 mg/l	MW-1S 4/11/2017 MW1S041117 mg/l	X-1 4/11/2017 MW1S041117 mg/l	MW-1S 9/12/2017 MW1S091217 mg/l	MW-1S 9/18/2018 MW1S091818 mg/l
Alkalinity (As Caco3)	NS	mg/L	203	282	363 B	265	282	349 B	300 B
Chloride	250	mg/L	**[2030]**	**[1260]**	**[880]**	**[1150]**	**[1180]**	**[788]**	**[1640]**
Nitrate (as N)	10	mg/L	0.37	0.41	0.67	0.12	0.13	0.05 U	0.041 J
Nitrite (as N)	1	mg/l	0.022 JB	0.05 U	0.033 JB	0.05	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---
Sulfate	250	mg/l	**[292]**	**[278]**	**[275] B**	217	217	217	**[409]**
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.05 J	0.06 J	0.1 U	0.10 UH
Total Organic Carbon, Filtered	NS	mg/L	3	3.1	4.3	2.2	2.3	4.5 B	4.2 B
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-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	---	---	---	---	---	---	---	---	---	---

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-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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[ ] - 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	MW-1D 9/19/2018 MW1D091918 mg/l
Alkalinity (As Caco3)	NS	mg/L	365	377	417 B	299	311 B	320 B	298 B
Chloride	250	mg/L	**288 B**	**[265]**	**[236]**	**[252]**	**[302]**	184	**[253]**
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.02 J	0.05	0.05 U	0.05 U	0.050 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---		---	---	---	---
Sulfate	250	mg/l	199	202	207	132	185	**[269]**	172
Total Sulfides	NS	mg/l	0.1	0.15	0.24	0.63 F1	0.28	0.53 H	0.060 JH
Total Organic Carbon, Filtered	NS	mg/L	3.8	5.4	3.3	2.4	3.4 B	4.2 B	2.7 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-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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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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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	---	---	---	---	---

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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 - 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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Chemical Name	Class GA GW Stds (mg/l)	Location ID Depth Interval Sample Date Sample ID units	MW-04D - 05/19/2010 MW-04D-05191005192010 mg/l	MW-04D - 01/20/2011 MW-04D-01202011 mg/l	MW-04D - 4/21/2011 MW-04D-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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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	MW-4D - 9/19/2018 MW 4D 091918 mg/l
Alkalinity (As Caco3)	NS	mg/L	355 B	292	72.5 B	319 B	327 B	311 B
Chloride	250	mg/L	213	226	**[283]**	**[253]**	245	**[254]**
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---
Sulfate	250	mg/l	**[346]**	**[328]**	**[297]**	**[337] B**	**[299]**	**[293]**
Total Sulfides	NS	mg/l	0.92	0.96	0.48	1.4	0.66	0.080 JH
Total Organic Carbon, Filtered	NS	mg/L	3.8	3.6	3.1	2.5	3.6 B	2.7 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-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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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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Table 5
Groundwater Quality Data - Geochemical
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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	MW-5S - 9/20/2018 MW 5S 092018 mg/l
Alkalinity (As Caco3)	NS	mg/L	362 B	443	40.2 B	228	442 B	214 B
Chloride	250	mg/L	56.7	48.7	95.2	8.3	12.2	11.8
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.071	0.032 J	0.20
Nitrite (as N)	1	mg/l	0.04 JB	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---		---	---	---
Sulfate	250	mg/l	**[259]**	**[352]**	**[358]**	169	**[326]**	172 B
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.12	0.06 J	0.1	0.10 U
Total Organic Carbon, Filtered	NS	mg/L	4.8	4.9	5.1	2.7	4.5 B	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
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-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	---	---	---	---	---	---	---	---	---	---

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-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	---	---	---	---	---	---	---	---	---	---	---

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-5D - 3/27/2014 MW-5D-032714 mg/l	MW-5D - 6/10/2014 MW-5D-061014 mg/l	MW-5D - 9/25/2014 MW 5D 092514 mg/l	MW-5D - 4/12/017 MW 5D 041217 mg/l	MW-5D - 9/14/2017 MW 5D 091417 mg/l	MW-5D - 9/19/2018 MW 5D 091918 mg/l
Alkalinity (As Caco3)	NS	mg/L	362 B	322	24.4 B	322	327 B	316 B
Chloride	250	mg/L	182	180	183	217	193	191
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---
Sulfate	250	mg/l	211	212	193	182	200	193
Total Sulfides	NS	mg/l	0.1 U	0.071 J	0.1 U	0.16	0.07 J	0.050 JH
Total Organic Carbon, Filtered	NS	mg/L	4.5	5.3	3.4	2.6	5.2 B	3.2
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
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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	---	---	---	---	---	---	---	---	---	---

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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		---	---	---	---	---	---	---	---	---	---

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-6S - 3/25/2014 MW-6S-032514 mg/l	MW-6S - 6/11/2014 MW-6S-061114 mg/l	MW-6S - 9/23/2014 MW6S092314 mg/l	MW-6S - 4/11/2017 MW6S041117 mg/l	MW-6S - 9/14/2017 MW6S091417 mg/l	MW-6S - 9/20/2018 MW6S092018 mg/l
Alkalinity (As Caco3)	NS	mg/L	257	322 B	405 B	320	379 B	386 B
Chloride	250	mg/L	23.8	32.5	30.9	32.3	39.8	43.6
Nitrate (as N)	10	mg/L	0.05 U	0.02J	0.021 J	0.14	0.05 U	0.024 J
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---
Sulfate	250	mg/l	162	54.4	203	208	**[287]**	241 B
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.08 J	0.1 U	0.10 U
Total Organic Carbon, Filtered	NS	mg/L	4.8	5.3	4.9	3.9	6.3 B	3.9 B
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-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	0.60 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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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:
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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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	MW-6D - 9/19/2018 MW6D091918 mg/l
Alkalinity (As Caco3)	NS	mg/L	281	380	309	435 B	339	329 B	332 B
Chloride	250	mg/L	30.4 B	189	199	221	201	180	205
Nitrate (as N)	10	mg/L	0.05 U	0.05 U	0.05 U	0.02 J	0.05	0.05 U	0.050 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/L	---	---	---	---	---	---	---
Sulfate	250	mg/l	148	262	**[313]**	**[340]**	222	**[265]**	**[297]**
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.19	0.31	0.46	0.58	0.13 H
Total Organic Carbon, Filtered	NS	mg/L	5	3.9	4.8	3.7	3.1	4.5 B	3.9 B
pH	NS	STD u	---	---	---	---	---	---	---

NOTES:
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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-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	---	---	---	---	---	---	---	---	---	---	---

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
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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-6DD - 8/7/2012 MW6DD080712 mg/l	MW-6DD - 12/19/2012 MW-6DD-121912 mg/l	MW-6DD - 5/21/2013 MW-6DD-052113 mg/l	MW-6DD - 8/21/2013 MW-6DD-082113 mg/l	MW-6DD - 12/18/2013 MW-6DD-121813 mg/l	MW-6DD - 3/25/2014 MW-6DD-032514 mg/l	MW-6DD - 6/10/2014 MW-6DD-061014 mg/l	MW-6DD - 9/23/2014 MW6DD092314 mg/l	MW-6DD - 4/11/2017 MW6DD041117 mg/l	MW-6DD - 9/12/2017 MW6DD091217 mg/l	MW-6DD - 9/19/2018 MW6DD091918 mg/l
Alkalinity (As Caco3)	NS	mg/l	349	390 B	324	311	358	290	286	391 B	208	300 B	291 B
Chloride	250	mg/l	155	123	159 B	147	123 B	124	199	**[275]**	66	240	**[300]**
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.027 J	0.05 U	0.02 J	0.065	0.05 U	0.050 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	226	232	237	230	218	209	239	**[301]**	**[692]**	238	**[278]**
Total Sulfides	NS	mg/l	0.06 J	0.1 U	0.065 J	0.063 J	0.061 J	0.1 U	0.091 J	0.15	0.07 J	0.19	0.20 H
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	3.0 B
pH	NS	STD u	---	---	---	---	---	---	---	---	---	---	---

NOTES:
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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-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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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-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	---	---	---	---	---	---	---	---	---	---	---

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-7S - 3/26/2014 MW-7S-032614 mg/l	MW-7S - 6/11/2014 MW-7S-061114 mg/l	MW-7S - 9/24/2014 MW7S092414 mg/l	MW-7S - 4/12/2017 MW7S041217 mg/l	MW-7S - 9/13/2017 MW7S091317 mg/l	MW-7S - 9/18/2018 MW7S091818 mg/l
Alkalinity (As Caco3)	NS	mg/l	236	178	330	247	219 B	264 B
Chloride	250	mg/l	51.4	44.2	61.5	56	35.2	58.3
Nitrate (as N)	10	mg/l	0.64	0.41	0.43	1.7	0.67	1.2
Nitrite (as N)	1	mg/l	0.022 JB	0.043 JB	0.034 JB	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---
Sulfate	250	mg/l	69.1	71.5 B	116	134	79.4	115
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.06 J	0.1 U	0.10 UH
Total Organic Carbon, Filtered	NS	mg/l	6	2.3	3.1	6	4 B	3.7 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-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	---	---	---	---	---	---	---	---	---	---

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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-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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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	MW-7D - 9/18/2018 MW7D091818 mg/l
Alkalinity (As Caco3)	NS	mg/l	257	194	250 B	359 B	183	235 B	243 B
Chloride	250	mg/l	40.6 B	33.1	35.2	75.1	19.2	24.7	46.9
Nitrate (as N)	10	mg/l	0.05 U	0.64	0.49	0.027 J	0.61	0.57	0.42
Nitrite (as N)	1	mg/l	0.05 U	0.022 JB	0.042 JB	0.05 U	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---
Sulfate	250	mg/l	69.4	35.6	57.5	145	58.8	60.6	105
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.1 U	0.07 J	0.1 U	0.10 UH
Total Organic Carbon, Filtered	NS	mg/l	3.6	5	4.9	4.2	2.9	4.1 B	3.4 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-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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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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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 - 9/18/2018 MW7DD091818 mg/l
Alkalinity (As Caco3)	NS	mg/l	295 B
Chloride	250	mg/l	93.4
Nitrate (as N)	10	mg/l	0.050 U
Nitrite (as N)	1	mg/l	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---
Sulfate	250	mg/l	**[429]**
Total Sulfides	NS	mg/l	0.090 JH
Total Organic Carbon, Filtered	NS	mg/l	5.3 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	---	---	---	---	---	---	---	---	---	---

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-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		---	---	---	---	---	---	---	---	---	---

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-8S - 12/17/2013 MW-8S-121713 mg/l	MW-8S - 3/26/2014 MW-8S-032614 mg/l	MW-8S - 6/11/2014 MW-8S-061114 mg/l	MW-ID-060914 - 6/9/2014 MW-ID-060914 mg/l	X-1-061014 - 6/10/2014 X-1-061014 mg/l	MW-8S - 9/24/2014 MW8S092414 mg/l	MW-8S - 4/12/2017 MW8S041217 mg/l	MW-8S - 9/13/2017 MW8S091317 mg/l	MW-8S - 9/18/2018 MW8S091818 mg/l
Alkalinity (As Caco3)	NS	mg/l	213	147	312	374	239	256 B	170	205 B	201 B
Chloride	250	mg/l	11.4 B	10.3	6	**[369]**	**[362]**	11.4 B	5.4	6.5	13.4
Nitrate (as N)	10	mg/l	0.05 U	0.098	0.09	0.05 U	0.05 U	0.029 J	0.067	0.091	0.19
Nitrite (as N)	1	mg/l	0.05 U	0.022 JB	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	76.4	38.6	42.8	**[258]**	241	81.5	60	61.7	97.8
Total Sulfides	NS	mg/l	0.1 U	0.1 U	0.1 U	0.098 J	0.079 J	0.1 U	0.06 J	0.1 U F1	0.10 UH
Total Organic Carbon, Filtered	NS	mg/l	2.6	1.9	2.8	5.6	3	2.7	1.4	2.6 B	2.2 B
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-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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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-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	---	---	---	---	---	---	---	---	---	---	---

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-8D - 3/26/2014 MW-8D-032614 mg/l	X-1 - 3/26/2014 MW-8D-032614 mg/l	MW-8D - 6/11/2014 MW-8D-061114 mg/l	MW-8D - 9/24/2014 MW8D092414 mg/l	X-1 - 9/24/2014 MW8D092414 mg/l	MW-8D - 4/13/2017 MW8D041317 mg/l	MW-8D - 9/13/2017 MW8D091317 mg/l	MW-8D - 9/18/2018 MW8D091818 mg/l
Alkalinity (As Caco3)	NS	mg/l	266	281	337	387 B	387 B	323 B	292 B	292 B
Chloride	250	mg/l	62.4	59.3	143	234	230	132	369	**[333]**
Nitrate (as N)	10	mg/l	0.042 J	0.046 J	0.05 U	0.021 J	0.026 J	0.05	0.05 U H	0.050 UH
Nitrite (as N)	1	mg/l	0.05 U	0.022 JB	0.05 U	0.05 U	0.05 U	0.05	0.05 U H	0.050 UH
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	131	132	243	**[268]**	**[265]**	184 B	226	225 B
Total Sulfides	NS	mg/l	0.15	0.11	0.18	0.1 U	0.1 U	1	0.13	0.070 JHF1
Total Organic Carbon, Filtered	NS	mg/l	4.5	4.5	4.5	3.7	3.6	3.3	3.9 B	2.9 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-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	---	---	---	---			---	---	---	---	---

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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-8DD - 8/8/2012 MW8DD080812 mg/l	MW-8DD - 12/18/2012 MW-8DD-121812 mg/l	MW-8DD - 5/22/2013 MW-8DD-052213 mg/l	MW-8DD - 8/20/2013 MW-8DD-082013 mg/l	MW-8DD - 12/17/2013 MW-8DD-121713 mg/l	MW-8DD - 3/26/2014 MW-8DD-032614 mg/l	MW-8DD - 6/11/2014 MW-8DD-061114	MW-8DD - 9/24/2014 MW8DD092414 mg/l	MW-8DD - 4/13/2017 MW8DD041317 mg/l	MW-8DD - 9/13/2017 MW8DD091317 mg/l	MW-8DD - 9/18/2018 MW8DD091818 mg/l
Alkalinity (As Caco3)	NS	mg/l	286	263	283	255 B	300	299	293	351 B	259 B	247 B	256 B
Chloride	250	mg/l	101	133 B	124 B	72.5 B	79.7 B	90.2	126	166	55.5	110	208
Nitrate (as N)	10	mg/l	0.05 U	0.042 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U H	0.050 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U H	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	**[1040]**	**[1160]**	**[1130]**	**[320]**	**[1040]**	**[616]**	**[1010]**	**[1080]**	138 B	**[1050]**	**[1140]**
Total Sulfides	NS	mg/l	0.063 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1.9	1.8	0.060 JH
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	3.2 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-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
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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-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
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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-10S - 3/25/2014 MW-10S-032514 mg/l	MW-10S - 6/10/2014 MW-10S-061014 mg/l	MW-10S - 9/23/2014 MW10S092314 mg/l	MW-10S - 4/11/2017 MW10S041117 mg/l	MW-10S - 9/12/2017 MW10S091217 mg/l	MW-10S - 9/12/2017 MW10S091217 mg/l	X-1 - 9/19/2018 MW10S091918 mg/l
Alkalinity (As Caco3)	NS	mg/l	276	275	394 B	192	365 B	396 B	398 B
Chloride	250	mg/l	125	360	205	115	153	134	134
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.022 J	0.05	0.05 U	0.050 U	0.050 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---
Sulfate	250	mg/l	152	239	**[338]**	91.9 B	**[350]**	**[480]**	**[488]**
Total Sulfides	NS	mg/l	0.1 U	0.08 J	0.1 U	0.13	0.08 J	0.10 UH	0.10 UH
Total Organic Carbon, Filtered	NS	mg/l	4.8	3.1	3.8	4.2	4.6 B	3.5 B	3.2 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
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:
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 - 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:
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 - 12/18/2013 MW-10D-121813 mg/l	X-1-121813 - 12/18/2013 MW-10D-121813 mg/l	MW-10D - 3/25/2014 MW-10D-032514 mg/l	MW-10D - 6/10/2014 MW-10D-061014 mg/l	MW-10D - 9/23/2014 MW10D092314 mg/l	MW-10D - 4/12/2017 MW10D041217 mg/l	MW-10D - 9/12/2017 MW10D091217 mg/l	MW-10D - 9/19/2018 MW10D091918 mg/l
Alkalinity (As Caco3)	NS	mg/l	308	331	308	272	339 B	282	259 B	261 B
Chloride	250	mg/l	128 B	128 B	**[290]**	**[373]**	**[412]**	**[354]**	**[368]**	**[389]**
Nitrate (as N)	10	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite (as N)	1	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05	0.05 U	0.050 U
Nitrite-Nitrate Nitrogen	NS	mg/l	---	---	---	---	---	---	---	---
Sulfate	250	mg/l	216	216	241	233	**[257]**	238	**[257]**	**[260]**
Total Sulfides	NS	mg/l	0.064 J	0.068 J	0.1 U	0.073 J	0.1 U	0.18	0.08 J	0.10 UHF1
Total Organic Carbon, Filtered	NS	mg/l	4.3	4	4	3	2.9	2.5	3.8 B	2.7 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, F1 - MS and/or MSD outside acceptable limits
[ ] - 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-1S - 9/18/2018 MW1S091818 mg/L
Ethane	NS		0.0002 U	.0000062 J	0.2 U	0.000033 J	0.000023 J	0.0002 U	0.0002 U
Ethylene	NS		0.0002 U	.000017 J	0.000018 J	0.000016 J	0.0000085 J	0.0002 U	0.0002 U
Methane	NS		0.0055	0.0039	0.000088 J	0.0096 B	0.0069 B	0.00074	0.0024
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 - 2/14/2000 MW-01D_WG_021400 mg/l	MW-01D - 8/13/2001 MW-01D_WG_081301 mg/l	MW-01D - 11/26/2001 MW-01D_WG_112601 mg/l	MW-01D - 2/25/2002 MW-01D_WG_022502 mg/l	MW-01D - 5/13/2002 MW-01D_WG_051302 mg/l	MW-01D - 11/16/2004 MW-01D_WG_111604 mg/l	MW-01D - 11/15/2005 MW-1D_11152005 mg/l	MW-01D - 11/14/2006 MW-1D_11142006 mg/l	MW-01D - 10/29/2007 MW-1D-102907 mg/l	MW-01D - 11/18/2008 MW-1D-111808 mg/l	MW-1D - 10/19/2009 MW-1D-101909 mg/l
Ethane	NS		0.002 UJ	0.002 U	0.002 U	0.002 U	0.0013 U	0.0044 U	0.0013 U	0.0013 U	0.00053 U	0.00053 U	0.00053 U
Ethylene	NS		0.002 UJ	0.002 U	0.002 U	0.002 U	0.0013 U	0.0044 U	0.0013 U	0.0013 U	0.0005 U	0.0005 U	0.0005 U
Methane	NS		0.02	0.02	0.02	0.03	0.029	0.047	0.023	0.049	0.014	0.011	0.0057
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

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

Table 6
Groundwater 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 - 05/18/2010 MW-1D-051810 mg/l	MW-01D - 1/19/2011 MW-1D-011911 mg/l	MW-01D - 4/18/2011 MW-1D-041811 mg/l	MW-01D - 7/26/2011 MW-1D-072611 mg/l	MW-01D - 10/25/2011 MW-1D-102511 mg/l	MW-1D - 3/20/2012 MW-1D-032012 mg/l	MW-1D - 8/7/2012 MW-1D-080712 mg/l	X-1 - 8/7/2012 MW-1D-080712 mg/l	MW-1D - 12/18/2012 MW-1D-121812 mg/l	MW-1D - 5/21/2013 MW-1D-052113 mg/l
Ethane	NS		0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00056 U	0.00054 U
Ethylene	NS		0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00051 U
Methane	NS		0.0045	0.013	0.0067	0.01 B	0.0055 B	0.012	0.0099	0.013	0.014	0.028
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---

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

Table 6
Groundwater 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 - 8/19/2013 MW-1D-081913 mg/l	MW-1D - 12/19/2013 MW-1D-121913 mg/l	MW-1D - 3/25/2014 MW-1D-032514 mg/l	MW-1D - 6/9/2014 MW-1D-060914 mg/l	MW-1D - 9/23/2014 MW1D092314 mg/L	MW-1D - 4/11/2017 MW1D041117 mg/L	MW-1D - 9/12/2017 MW1D091217 mg/L	X-1 - 9/12/2017 MW1D091217 mg/L	MW-1D - 9/18/2018 MW1D091818 mg/L
Ethane	NS		.000073 J	0.000077 J	0.00011 J	0.00006 J	0.00012 J	0.000074 J	0.0001 J	0.00014 J	0.00011 J
Ethylene	NS		0.0002 U	0.000019 U	0.00025 J	0.0000077 J	0.00003 J	0.000015 J	0.0002 U	0.000043 J	0.00014 J
Methane	NS		0.044	0.033	0.032	0.045	0.025	0.012 B	0.024	0.21	0.022
Hydrogen*	NS		0.66	0.57 J	0.57 J	5.3	0.71	---	---	---	---

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

Table 6
Groundwater 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
--- 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 - 05/19/2010 MW-4S-051910 mg/l	MW-04S - 1/20/2011 MW-4S-012011 mg/l	MW-04S - 4/21/2011 MW-4S-042111 mg/l	MW-04S - 7/28/2011 MW-4S-072811 mg/l	MW-04S - 10/27/2011 MW-4S-102711 mg/l	MW-4S - 3/22/2012 MW-4S-032212 mg/l	MW-4S - 8/9/2012 MW-4S-080912 mg/l	MW-4S - 12/20/2012 MW-4S-122012 mg/l	MW-4S - 5/22/2013 MW-4S-052213 mg/l	MW-4S - 8/22/2013 MW-4S-082213 mg/l	MW-4S - 12/19/2013 MW-4S-121913 mg/l
Ethane	NS		0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00056 U	0.00056 U	0.00004 J	0.000022 J
Ethylene	NS		0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00053 U	0.00053 U	0.0002 U	0.000019 J
Methane	NS		0.012	0.016	0.0034	0.009 B	0.0077 B	0.011	0.017	0.0081	0.028	0.1	0.038
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	NS	NS

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

Table 6
Groundwater 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-4S - 9/19/2018 MW-4S-091818 mg/l
Ethane	NS		0.00026 J	0.000049 J	---	0.000027 J	0.00006 J	
Ethylene	NS		0.0002 U	0.0000096 J	---	0.0002 U	0.0002 U	NOT SAMPLED
Methane	NS		0.056	0.037	---	0.03	0.05	
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-4S - 9/14/2017 MW-4S-091417 mg/l	MW-04D - 2/17/2000 MW-04D_WG_021700 mg/l	MW-04D - 8/15/2001 MW-04D_WG_081501 mg/l	MW-04D - 11/29/2001 MW-04D_WG_112901 mg/l	MW-04D - 2/28/2002 MW-04D_WG_022802 mg/l	MW-04D - 5/14/2002 MW-04D_WG_051402 mg/l	MW-04D - 11/17/2004 MW-04D_WG_111704 mg/l	MW-04D - 11/16/2005 MW-4D_11162005 mg/l	MW-04D - 11/15/2006 MW-4D_11152006 mg/l	MW-04D - 10/31/2007 MW 4-D-103107 mg/l
Ethane	NS		0.00006 J	0.02 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.00053 U
Ethylene	NS		0.0002 U	0.02 U	0.002 U	0.002 U	0.002 U	0.0013 U	0.0022 U	0.0013 U	0.0013 U	0.0005 U
Methane	NS		0.05	0.06	0.02	0.012 U	0.04	0.041	0.028	0.032	0.016	0.0097
Hydrogen*	NS		.---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- 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-04D - 11/19/2008 MW 4-D-111908 mg/l	MW-4D - 10/21/2009 MW-4D-102109 mg/l	MW-04D - 05/19/2010 MW-4D-051910 mg/l	MW-04D - 1/20/2011 MW-4D-012011 mg/l	MW-04D - 4/21/2011 MW-4D-042111 mg/l	MW-04D - 7/28/2011 MW-4D-072811 mg/l	MW-04D - 10/26/2011 MW-4D-102611 mg/l	MW-4D - 3/22/2012 MW-4D-032212 mg/l	MW-4D - 8/9/2012 MW-4D-080912 mg/l	MW-4D - 12/20/2012 MW-4D-122012 mg/l	MW-4D - 5/22/2013 MW-4D-052213 mg/l
Ethane	NS		0.00052 U	0.00053 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00056 U
Ethylene	NS		0.00049 U	0.0005 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00053 U
Methane	NS		0.029	0.0091	0.0094	0.0067	0.0084	0.0079 B	0.0049 B	0.02	0.0096	0.011	0.023
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	---

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
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* - 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-4D - 8/21/2013 MW-4D-082113 mg/l	MW-4D - 12/19/2013 MW-4D-121913 mg/l	MW-4D - 3/27/2014 MW-4D-032714 mg/l	MW-4D - 6/10/2014 MW-4D-061014 mg/l	MW-4D - 9/25/2014 MW-4D-092514 mg/l	MW-4D - 4/13/2017 MW-4D-041317 mg/l	MW-4D - 9/14/2017 MW-4D-041217 mg/l	MW-4D - 9/19/2018 MW-4D-091918 mg/l
Ethane	NS		0.00022	0.00013 J	0.00029	0.00023	0.00023	0.0002 J	0.00018 J	0.0002
Ethylene	NS		.00002 J	0.000019 J	0.00021 J	.0002 U	0.000030 J	0.000011 J	0.0002 U	0.000041 J
Methane	NS		0.031	0.044	0.036	0.027	0.036	0.038	0.025	0.032
Hydrogen*	NS		0.77	0.59 J	0.64	1.4	0.82	---	---	---

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

NOTES:
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-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:
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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-5S - 3/27/2014 MW-5S-032714 mg/l	MW-5S - 6/10/2014 MW-5S-061014 mg/l	MW-5S - 9/25/2014 MW-5S-092514 mg/l	MW-5S - 4/12/2017 MW-5S-041217 mg/l	MW-5S - 9/14/2017 MW-5S-091417 mg/l	MW-5S - 9/20/2018 MW-5S-092018 mg/l
Ethane	NS		0.0001 J	0.00034	0.0011	0.0000068 J	0.00036	0.00020 U
Ethylene	NS		0.00027	0.0011	0.0021	0.0000071 J	0.000089 J	0.000026 J
Methane	NS		0.037	0.16	0.032	0.000072 JB	0.038	0.0012
Hydrogen*	NS		0.93	1.2	---	---	---	---

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

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[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - 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-5D - 10/21/2009 MW-5D-102109 mg/l	MW-05D - 5/19/2010 MW-5D-051910 mg/l	MW-05D - 1/20/2011 MW-5D-012011 mg/l	MW-05D - 4/20/2011 MW-5D-042011 mg/l	MW-5D - 7/28/2011 MW-5D-072811 mg/l	MW-05D - 10/27/2011 MW-5D-102711 mg/l	MW-5D - 3/22/2012 MW-5D-032212 mg/l	MW-5D - 8/9/2012 MW-5D-080912 mg/l	MW-5D - 12/19/2012 MW-5D-121912 mg/l	MW-5D - 5/22/2013 MW-5D-052213 mg/l	MW-5D - 8/21/2013 MW-5D-082113 mg/l
Ethane	NS		0.00053 U	0.00057 U	0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.000073 J
Ethylene	NS		0.0005 U	0.00054 U	0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.000033 J
Methane	NS		0.0083	0.012	0.013	0.0092	0.011 B	0.015 B	0.024	0.012	0.014	0.038	0.052
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	1.1

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Table 6
Groundwater 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 - 12/19/2013 MW-5D-121913 mg/l	MW-5D - 3/27/2014 MW-5D-032714 mg/l	MW-5D - 6/10/2014 MW-5D-061014 mg/l	MW-5D - 9/25/2014 MW-5D-092514 mg/l	MW-5D - 4/12/2017 MW-5D-041217 mg/l	MW-5D - 9/14/2017 MW-5D-091417 mg/l	MW-5D - 9/19/2018 MW-5D-091918 mg/l
Ethane	NS		0.000073 J	0.00085 J	0.000066 J	0.00069 J	0.000058 J	0.000067 J	0.000075 J
Ethylene	NS		0.000023 J	0.0002 U	0.000021 J	0.00026 J	0.000015 J	0.0002 U	0.000015 J
Methane	NS		0.059	0.059	0.055	0.062	0.048 B	0.048	0.043
Hydrogen*	NS		0.87	0.73	1.4	0.91	---	---	---

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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		---	---	---	---	---	---	---	---		---	---

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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 - 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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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-6S - 3/25/2014 MW-6S-032514 mg/l	MW-6S - 6/11/2014 MW-6S-061114 mg/l	MW-6S - 9/23/2014 MW6S092314 mg/L	MW-6S - 4/11/2017 MW6S041117 mg/L	MW-6S - 9/14/2017 MW6S091417 mg/L	MW-6S - 9/20/2018 MW6S092018 mg/L
Ethane	NS		0.00012 J	.0000081 J	0.000033 J	0.000088 J	0.000041 J	0.00020 U
Ethylene	NS		0.00038	.0000099 J	0.000067 J	0.00043	0.000061 J	0.000095 J
Methane	NS		0.07	0.0046	0.036	0.042	0.038	0.00096
Hydrogen*	NS		0.85	2.4	---	---	---	---

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

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

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-6D - 5/21/2013 MW-6D-052113 mg/l	X-1 - 5/21/2013 MW-6D-052113 mg/l	MW-6D - 8/21/2013 MW-6D-082113 mg/l	MW-6D - 12/18/2013 MW-6D-121813 mg/l	MW-6D - 3/25/2014 MW-6D-032514 mg/l	MW-6D - 6/10/2014 MW-6D-061014 mg/l	MW-6D - 9/23/2014 MW6D092314 mg/L	MW-6D - 4/11/2017 MW6D041117 mg/L	MW-6D - 9/12/2017 MW6D091217 mg/L	MW-6D - 9/19/2018 MW6D091918 mg/L
Ethane	NS		0.0018	0.0018	0.00024	0.00026	0.00017 J	.00011 J	0.00012 J	0.00011 J	0.00013 J	0.00020 J
Ethylene	NS		0.0011 U	0.0011U	0.003	0.0037	0.0002 U	.000055 J	0.000046 J	0.000029 J	0.000029 J	0.000088 J
Methane	NS		0.06	0.061	0.085	0.1	0.074	0.068	0.098	0.11 B	0.21	0.18
Hydrogen*	NS		---	---	1.4	0.91	0.85	0.99	0.74	---	---	---

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

NOTES:
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-6DD - 8/7/2012 MW-6DD-080712 mg/l	MW-6DD - 12/19/2012 MW-6DD-121912 mg/l	MW-6DD - 5/21/2013 MW-6DD-052113 mg/l	MW-6DD - 8/21/2013 MW-6DD-082113 mg/l	MW-6DD - 12/18/2013 MW-6DD-121813 mg/l	MW-6DD - 3/25/2014 MW-6DD-032514 mg/l	MW-6DD - 6/10/2014 MW-6DD-061014 mg/l	MW-6DD - 9/23/2014 MW6DD092314 mg/L	MW-6DD - 4/11/2017 MW6DD041117 mg/L	MW-6DD - 9/12/2017 MW6DD091217 mg/L	MW-6DD - 9/19/2018 MW6DD091918 mg/L
Ethane	NS		0.00057 U	0.0028 U	0.0057 U	0.00025	0.00039	0.000092 J	.00024	0.00018 J	0.000041 J	0.00022	0.00022
Ethylene	NS		0.00062	0.0027 U	0.0054 U	0.00055	0.0011	0.00017 J	.00071	0.00034	0.000016 J	0.00028	0.00026
Methane	NS		0.07	0.15	0.09	0.19	0.35	0.031	0.14	0.099	0.0026 B	0.19	0.12
Hydrogen*	NS		---	---	---	0.93	0.97	0.7	1.1	0.92	---	---	---

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-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		---	---	---	---	---	---	---	---	---	---	---

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-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

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-7S - 3/26/2014 MW-7S-032614 mg/l	MW-7S - 6/11/2014 MW-7S-061114 mg/l	MW-7S - 9/24/2014 MW7S092414 mg/L	MW-7S - 4/12/2017 MW7S041217 mg/L	MW-7S - 9/13/2017 MW7S091317 mg/L	MW-7S - 9/18/2018 MW7S091818 mg/L
Ethane	NS		0.0002 U	.0002	0.0000089 J	0.0002 U	0.0002 U	0.00020 U
Ethylene	NS		0.0002 U	.000015 J	0.000011 J	0.0002 U	0.0002 U	0.0000071 J
Methane	NS		0.0071	0.0033	0.19	0.00013 JB	0.021	0.17
Hydrogen*	NS		0.69	2.1	1.2	---	---	---

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

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-07D - 05/17/2010 MW-7D-051710 mg/l	MW-07D - 1/18/2011 MW-7D-011811 mg/l	MW-07D - 4/19/2011 MW-7D-041911 mg/l	MW-07D - 7/27/2011 MW-7D-072711 mg/l	MW-07D - 10/25/2011 MW-7D-102511 mg/l	MW-07D - 10/25/2011 MW-7D-102511 mg/l	MW-7D - 3/21/2012 MW-7D-032112 mg/l	MW-7D - 8/8/2012 MW-7D-080812 mg/l	MW-7D - 12/18/2012 MW-7D-121812 mg/l	MW-7D - 5/23/2013 MW-7D-052313 mg/l	MW-7D - 8/20/2013 MW-7D-082013 mg/l
Ethane	NS		0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.0011 U	0.00057 U	0.028 U	0.0002 U
Ethylene	NS		0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.0011 U	0.00054 U	0.027 U	0.0002 U
Methane	NS		0.0057	0.062	0.00061 U	0.054 B	0.00046 J	0.00061 U	0.0082	0.14	0.00061 U	0.34	0.48
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---	1

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-7D - 12/17/2013 MW-7D-121713 mg/l	MW-7D - 3/26/2014 MW-7D-032614 mg/l	MW-7D - 6/11/2014 MW-7D-061114 mg/l	MW-7D - 9/24/2014 MW7D092414 mg/L	MW-7D - 4/12/0217 MW7D041217 mg/L	MW-7D - 9/13/2017 MW7D091317 mg/L	MW-7D - 9/18/2018 MW7D091818 mg/L
Ethane	NS		0.0002 U	0.000018 U	.0002 U	0.000063 J	0.0002 U	0.0002 U	0.00020 U
Ethylene	NS		0.0002 U	0.000019 U	.0002 U	0.000031 J	0.0002 U	0.0002 U	0.000013 J
Methane	NS		0.048	0.000019 U	.00057	0.83	0.000077 JB	0.00053	0.18
Hydrogen*	NS		0.49 J	1.9	1.5	1.4	---	---	---

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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-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
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
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
Methane	NS		0.53	0.41	0.15	0.021	0.13	0.42	0.12	0.012	0.17
Hydrogen*	NS		---	---	---	---	---	---	---	---	---

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U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - 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 - 10/26/2011 MW-7DD-102611 mg/l	MW-7DD - 3/21/2012 MW-7DD-032112 mg/l	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
Ethane	NS		0.00057 U	0.0073	0.011 U	0.057 U	0.056 U	0.028 U	0.0092	0.021	0.014
Ethylene	NS		0.00054 U	0.0025	0.011 U	0.054 U	0.054 U	0.027 U	0.0002 U	0.0002 U	0.000019 U
Methane	NS		0.038 B	0.59	0.55	0.53	0.28	0.63	1.4	0.93	1.4
Hydrogen*	NS		---	---	---	---	---	---	0.69	0.46 J	0.68

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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-7DD - 6/11/2014 MW-7DD-061114 mg/l	MW-7DD - 9/24/2014 MW7DD092414 mg/L	MW-7DD - 4/12/2017 MW7DD041217 mg/L	MW-7DD - 9/13/2017 MW7DD091317 mg/L	MW-7DD - 9/13/2017 MW7DD091317 mg/L
Ethane	NS		0.0036	0.013	0.000072 J	0.0057	0.0054
Ethylene	NS		.0002 U	0.000017 J	0.0002 U	0.0002 U	0.00020 U
Methane	NS		0.67	1	0.08 B	0.21	0.91
Hydrogen*	NS		1.7	0.83	---	---	---

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-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:
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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-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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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-8S - 12/17/2013 MW-8S-121713 mg/l	MW-8S - 3/26/2014 MW-8S-032614 mg/l	MW-8S - 6/11/2014 MW-8S-061114 mg/l	MW-8S - 9/24/2014 MW8S092414 mg/L	MW-8S - 4/12/2017 MW8S041217 mg/L	MW-8S - 9/13/2017 MW8S091317 mg/L	MW-8S - 9/18/2018 MW8S091818 mg/L
Ethane	NS		0.0002 U	0.000018 U	.0000061 J	0.000012 J	0.0002 U	0.0002 U	0.00020 U
Ethylene	NS		0.0002 U	0.000019 U	.0002 U	0.00002 J	0.0002 U	0.0002 U	0.000010 J
Methane	NS		0.0033	0.00028	0.00057	0.0017	0.00028 JB	0.0025	0.0018
Hydrogen*	NS		0.66	0.76	1.9	0.87	---	---	---

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

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

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-8D - 3/26/2014 MW-8D-032614 mg/l	X-1 - 3/26/2014 MW-8D-032614 mg/l	MW-8D - 6/11/2014 MW-8D-061114 mg/l	MW-8D - 9/24/2014 MW8D092414 mg/L	X-1 - 9/24/2014 MW8D092414 mg/L	MW-8D - 4/13/2017 MW8D041317 mg/L	MW-8D - 9/13/2017 MW8D091317 mg/L	MW-8D - 9/18/2018 MW8D091819 mg/L
Ethane	NS		0.0002	0.00022	0.00033	0.00033	0.00036	0.00024	0.00026	0.00019 J
Ethylene	NS		0.00018 J	0.000055 J	.00014 J	0.00012 J	0.00012 J	0.000032 J	0.0002 U	0.000024 J
Methane	NS		0.51	0.48	0.13	0.092	0.1	0.49 d,B	0.17	0.26
Hydrogen*	NS		0.73	---	2	0.8	---	---	---	---

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

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

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-8DD - 9/13/2017 MW8DD091317 mg/L	MW-8DD - 9/18/2018 MW8DD091818 mg/L
Ethane	NS		0.0019	0.0016
Ethylene	NS		0.0002 U	0.000013 J
Methane	NS		0.36	0.18
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
* - 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:
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-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
[ ] - 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-10S - 3/25/2014 MW-10S-032514 mg/l	MW-10S-061013 - 6/10/2014 MW-10S-061014 mg/l	MW-10S - 9/23/2014 MW10S092314 mg/L	MW-10S - 4/11/2017 MW10S041117 mg/L	MW-10S - 9/12/2017 MW10S091217 mg/L	MW-10S - 9/19/2018 MW10S091918 mg/L	X-1 - 9/19/2018 MW10S091918 mg/L
Ethane	NS		0.000095 J	.000097 J	0.000093 J	0.000048 J	0.00013 J	0.000072 J	0.000067 J
Ethylene	NS		0.000019 U	0.0000097	0.000074 J	0.0002 U	0.00014 J	0.000082 J	0.000076 J
Methane	NS		0.032	0.041	0.025	0.031 B	0.034	0.028	0.029
Hydrogen*	NS		0.73	1.2	0.95	---	---	---	---

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

NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - 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 - 10/22/2009 MW-10D-102209 mg/l	MW-10D - 05/18/2010 MW-10D-051810 mg/l	MW-10D - 1/20/2011 MW-10D-012011 mg/l	MW-10D - 4/20/2011 MW-10D-045011 mg/l	MW-10D - 7/26/2011 MW-10D-072611 mg/l	MW-10D - 7/26/2011 X1-072611 mg/l	MW-10D - 10/27/2011 MW-10D-102711 mg/l	MW-10D - 3/20/2012 MW-10D-032012 mg/l	MW-10D - 8/7/2012 MW-10D-080712 mg/l	MW-10D - 12/19/2012 MW-10D-121912 mg/l
Ethane	NS		0.00053 U	0.00057 U	0.00056 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U	0.00057 U
Ethylene	NS		0.0005 U	0.00054 U	0.00053 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U	0.00054 U
Methane	NS		0.0068	0.0082	0.012	0.0058	0.0053 B	0.011 B	0.0054 B	0.0042	0.014	0.032
Hydrogen*	NS		---	---	---	---	---	---	---	---	---	---

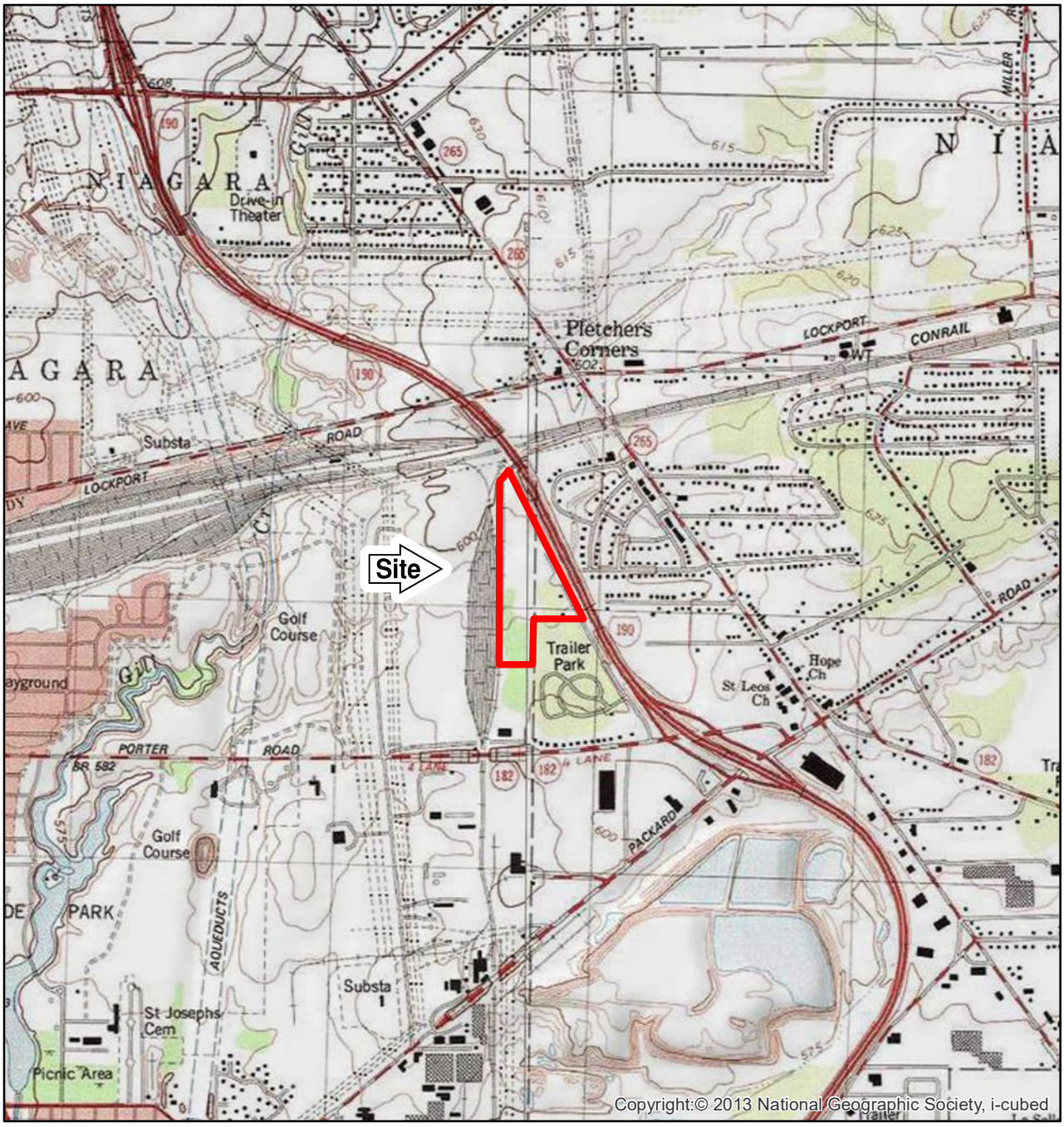
NOTES:
U - not detected, J - estimated, D - Diluted Result, R - unusable, NS - no standard, Dup - duplicate sample, B - Analyte detected in the associated Method Blank
[ ] - Exceeds NYS Class GA Ground Water Qaulity Standard
Data have note been validated
--- Not Analized
* - Units in nM

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-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	MW-10D - 9/19/2018 MW10D091918 mg/L
Ethane	NS		0.00056 U	.000076 J	.000073 J	.000063 J	0.000098 J	.00010 J	0.000094 J	0.000062 J	0.00044	0.000094 J
Ethylene	NS		0.00053 U	0.0002 U	.000043 J	0.0002 U	0.000019 U	.000014 J	0.0000095 J	0.0000073 J	0.0002 U	0.00020 U
Methane	NS		0.022	0.057	0.04	0.033	0.051	0.042	0.029	0.11 B	0.18	0.084
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
* - Units in nM

Figures



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

MAP LOCATION

FOREST GLEN SUPERFUND SITE NIAGARA COUNTY, NEW YORK

SITE LOCATION

N

0 1,000 2,000 4,000
Feet

1:24,000

5540.50998
MARCH 2019

O'BRIEN & GERE ENGINEERS, INC.

3/19/2019 11:55:10 AM

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FIGURE NO. 2

3/4/2019 3:33 PM

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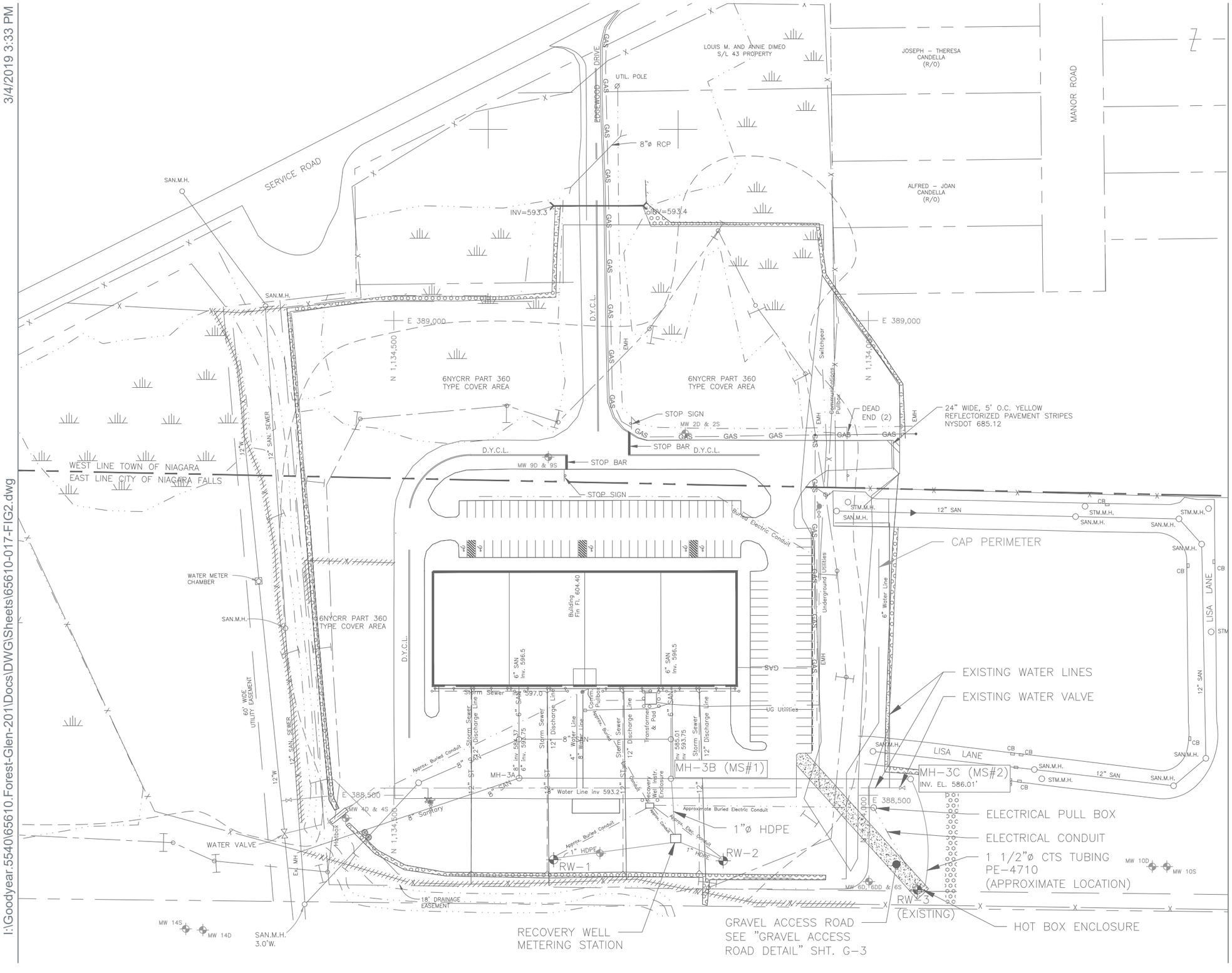


N

LEGEND:

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SITE PLAN

1"=100' 100 0 100

FILE NO. 5540.65610-017
MARCH 2019

O'BRIEN & GERE ENGINEERS, INC.

IMAGE REFERENCE: BING MAPS 11/2018.

N

LEGEND

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

MONITORING WELL LOCATIONS

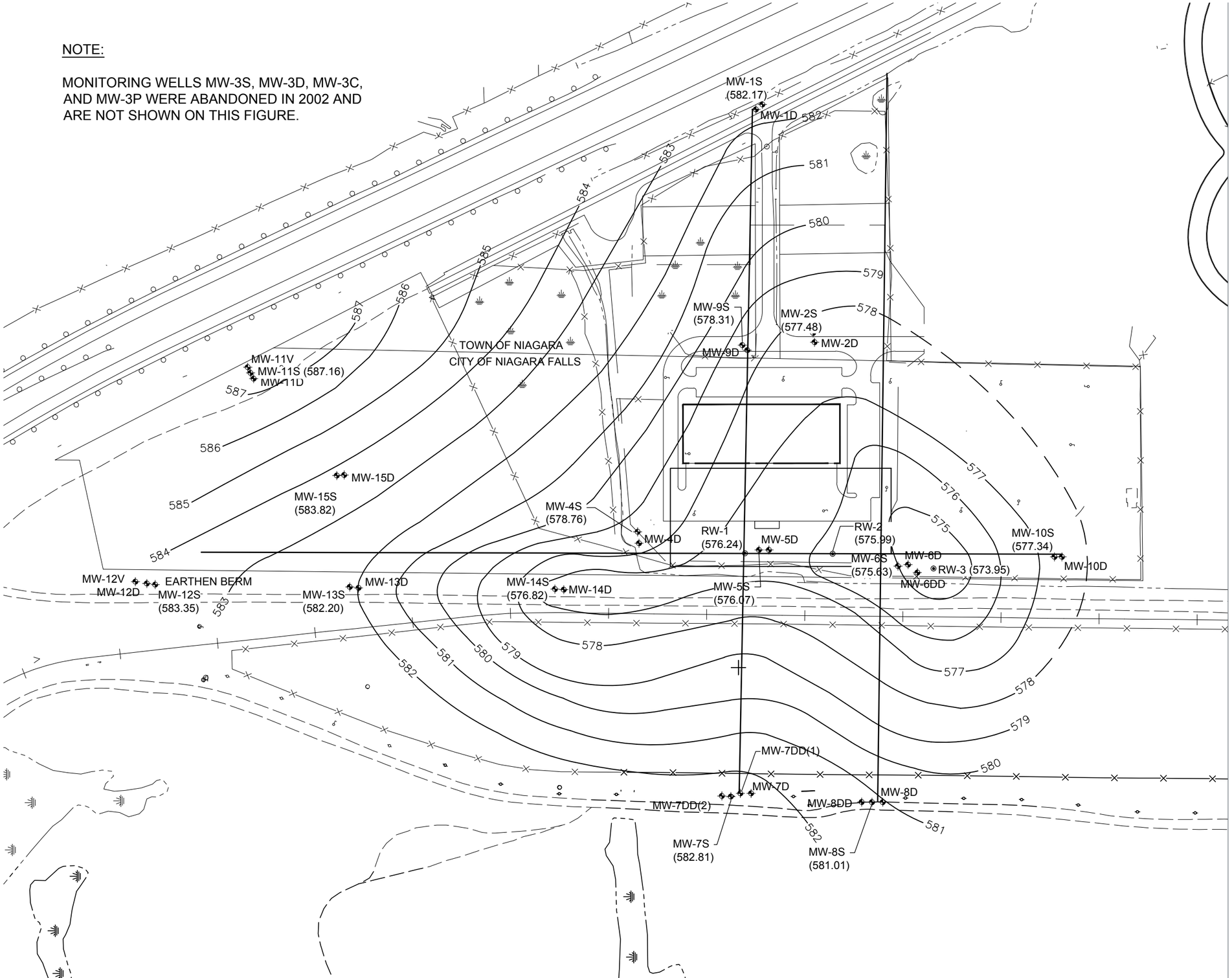
300 0 300
1"=300'

FILE NO. 5540.65610-014
NOVEBER 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.



N

LEGEND

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SHALLOW BEDROCK GROUND WATER ELEVATION CONTOURS (3/13/18)

1"=200'

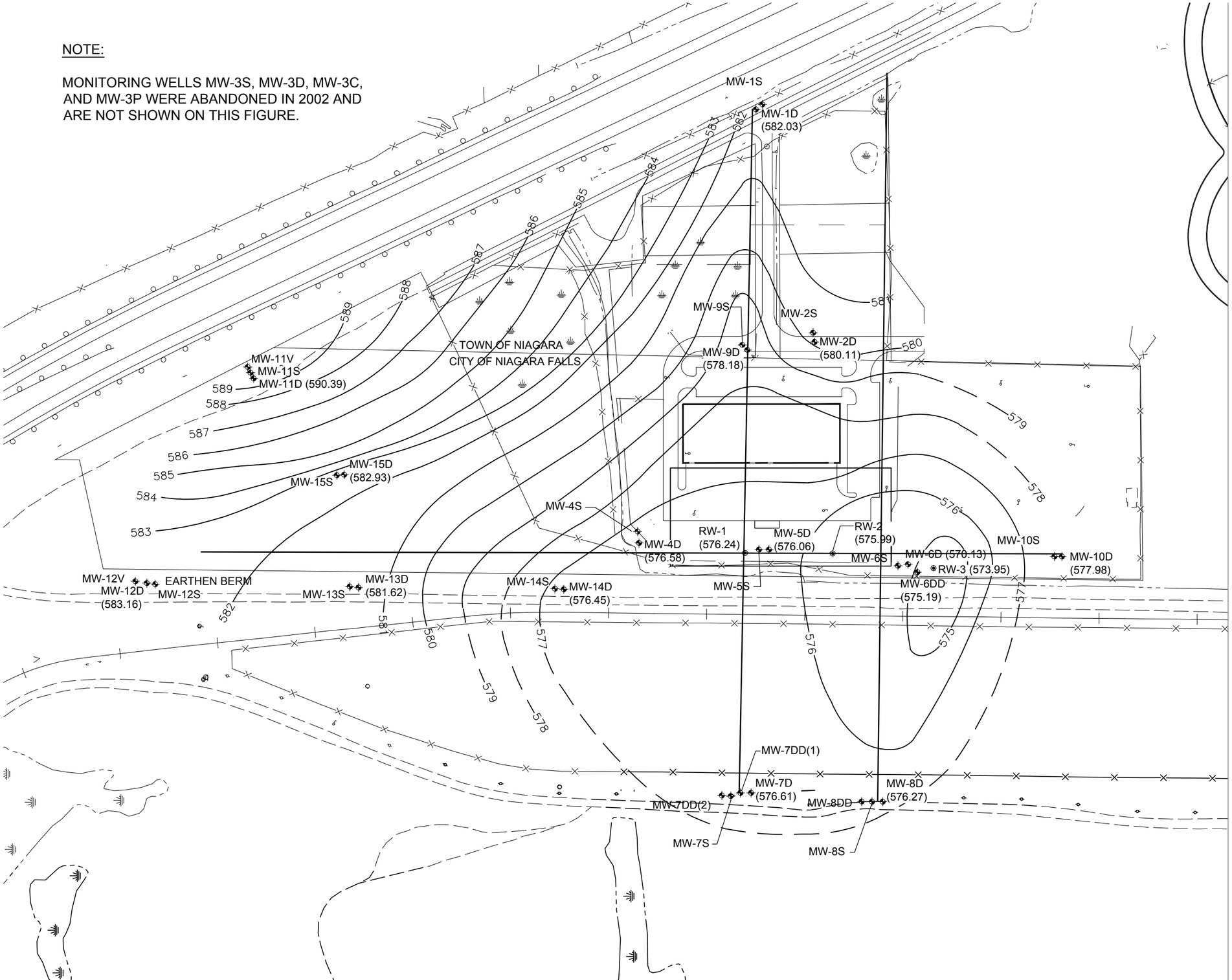
200 0 200

FILE NO. 5540.65610-008
APRIL 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.



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 (3/13/18)

1"=200'

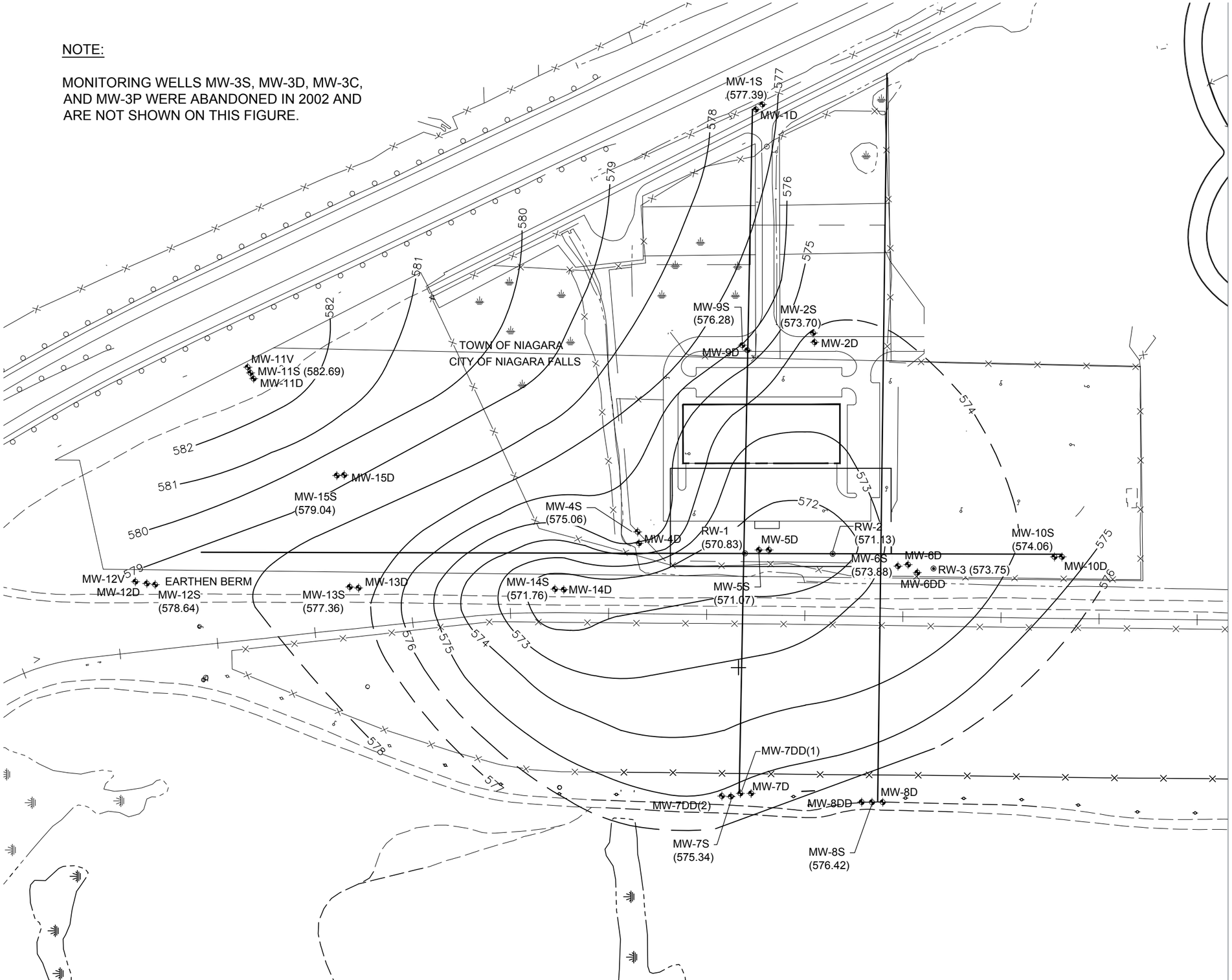
200 0 200

FILE NO. 5540.65610-009
APRIL 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.



N

LEGEND

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SHALLOW BEDROCK GROUND WATER ELEVATION CONTOURS (6/18/18)

1"=200'

200 0 200

FILE NO. 5540.65610-010
AUGUST 2018

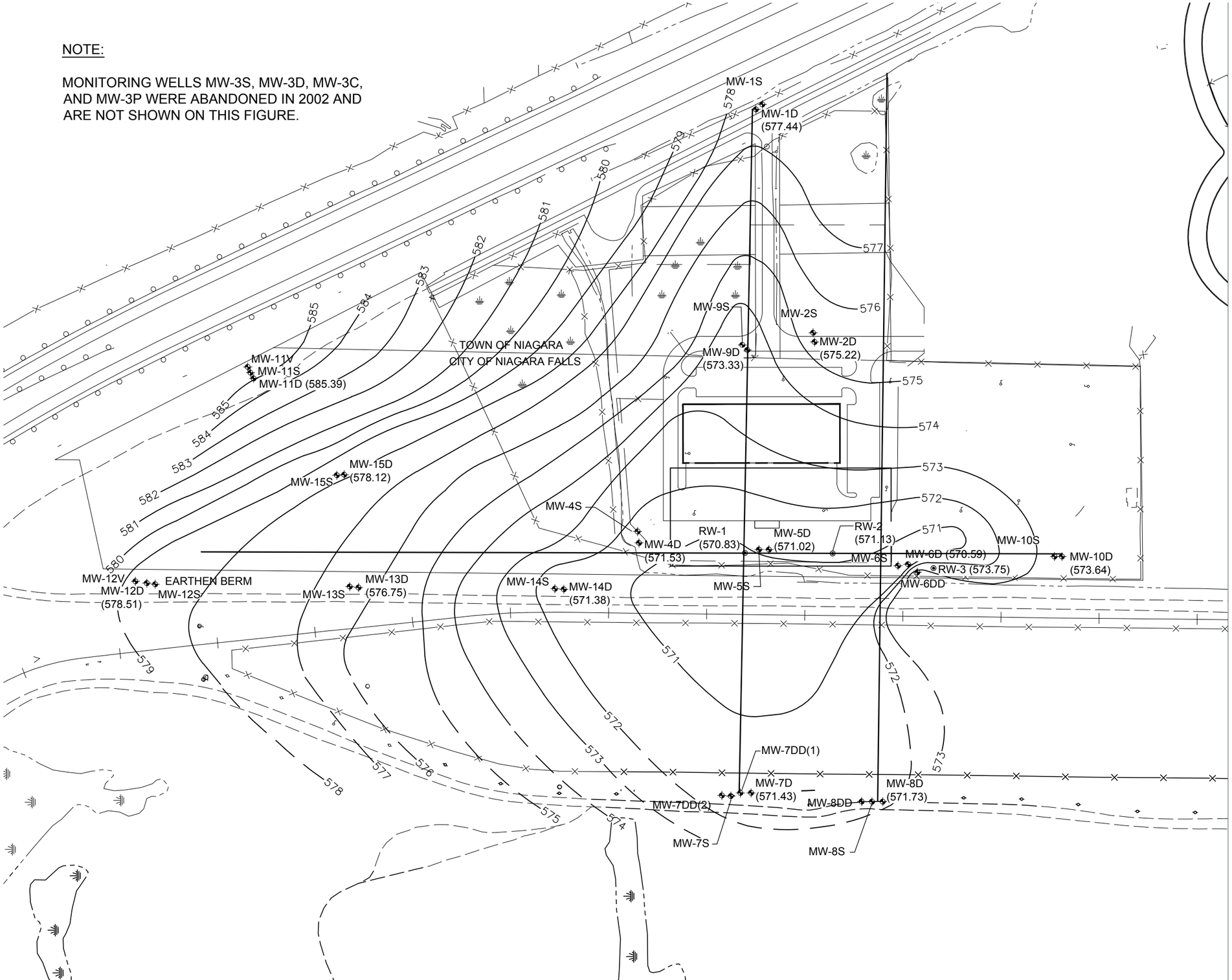
O'BRIEN & GERE ENGINEERS, INC.

8/2/2018 11:18 AM

I:\Goodyear.5540\65610.Forest-Glen-201\Docs\DWG\Sheets\65610-010-FIG1.dwg

NOTE:

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



N

LEGEND

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

DEEP BEDROCK GROUND WATER ELEVATION CONTOURS (6/18/18)

1"=200'

200 0 200

FILE NO. 5540.65610-011
AUGUST 2018

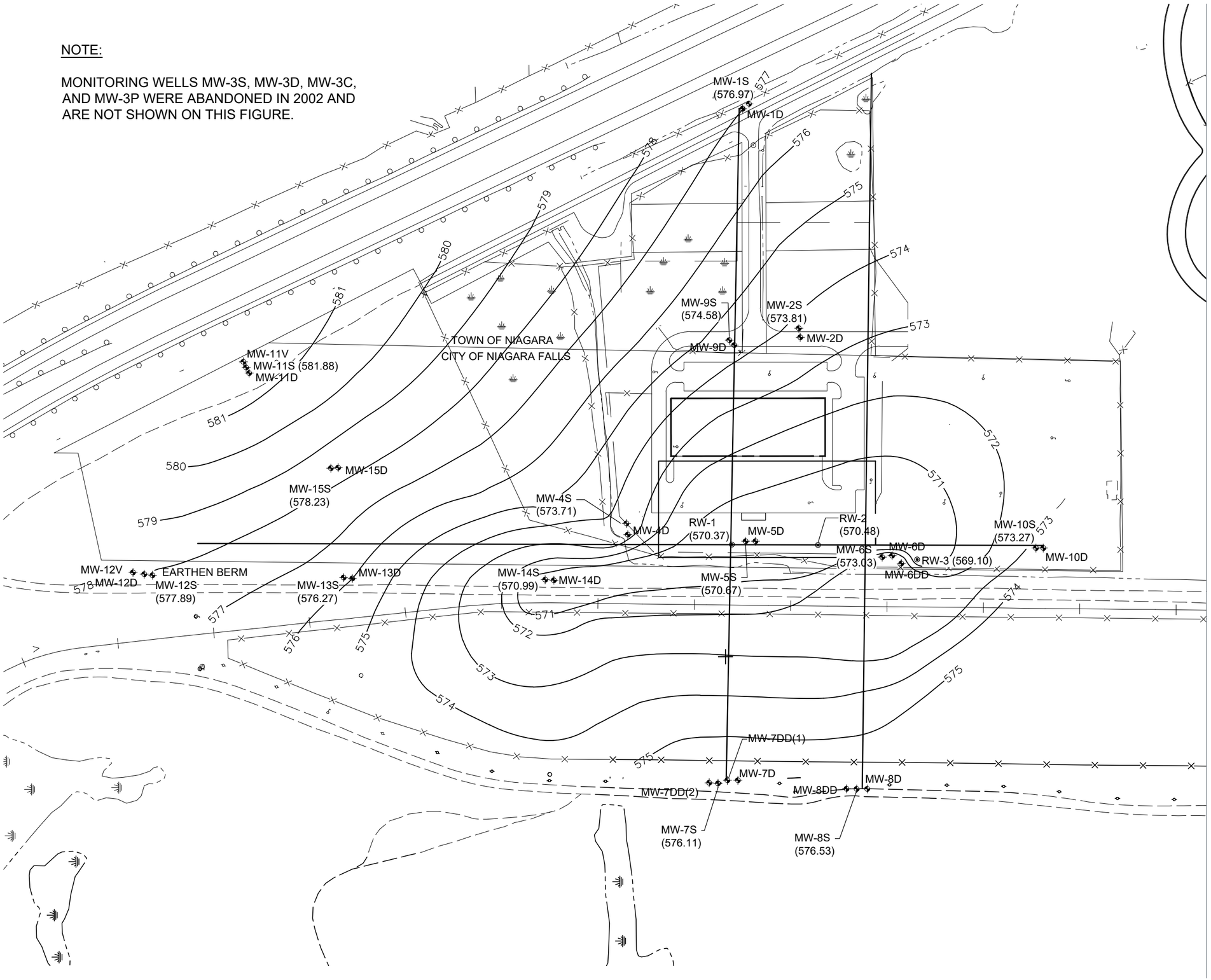
O'BRIEN & GERE ENGINEERS, INC.

8/2/2018 3:35 PM

I:\Goodyear.5540\65610.Forest-Glen-201\Docs\DWG\Sheets\65610-011-FIG2.dwg

NOTE:

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



N

LEGEND

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

SHALLOW BEDROCK GROUND WATER ELEVATION CONTOURS (9/17/18)

1"=200'

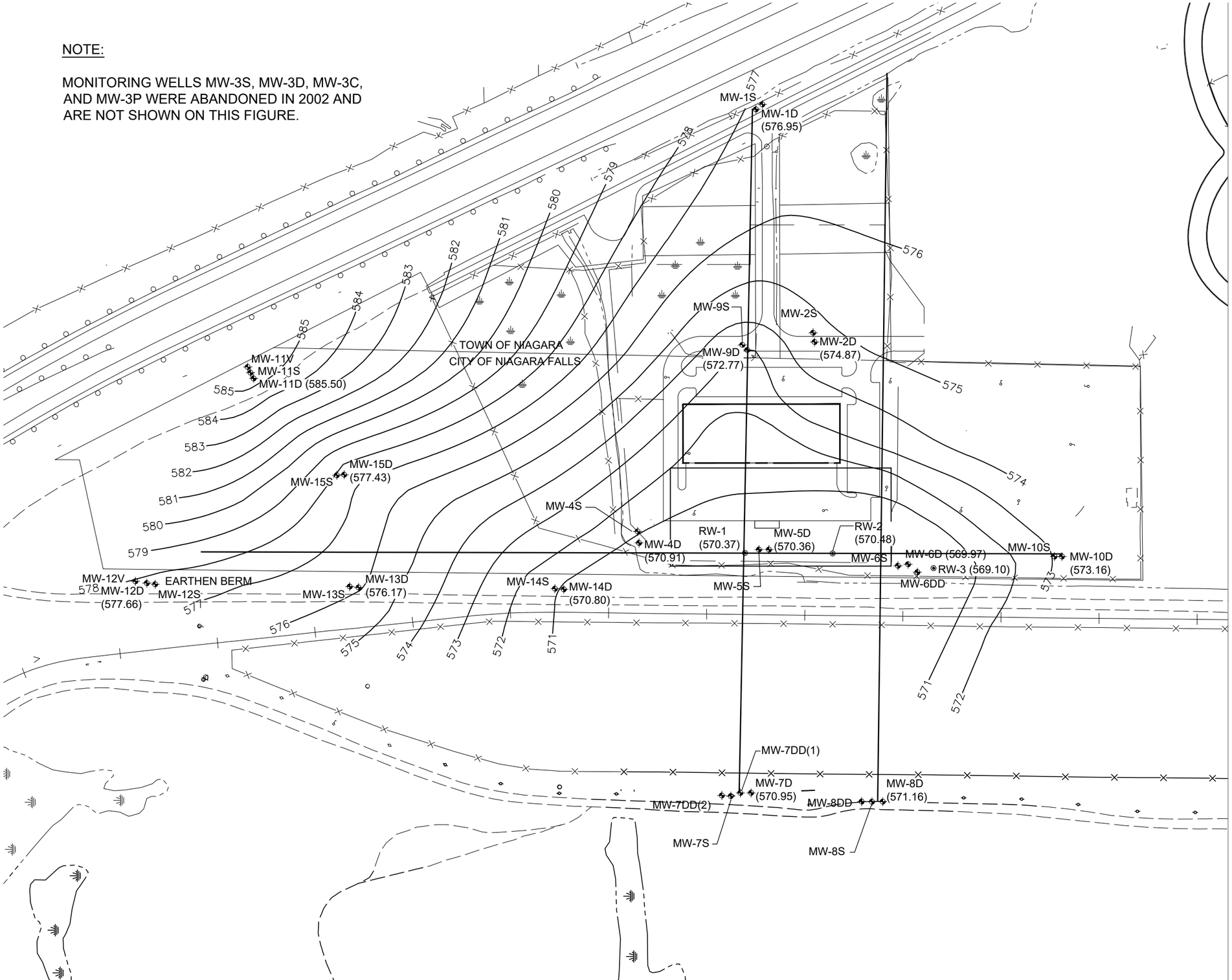
200 0 200

FILE NO. 5540.65610-012
OCTOBER 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.



N

LEGEND

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

DEEP BEDROCK GROUND WATER ELEVATION CONTOURS (9/17/18)

1"=200'

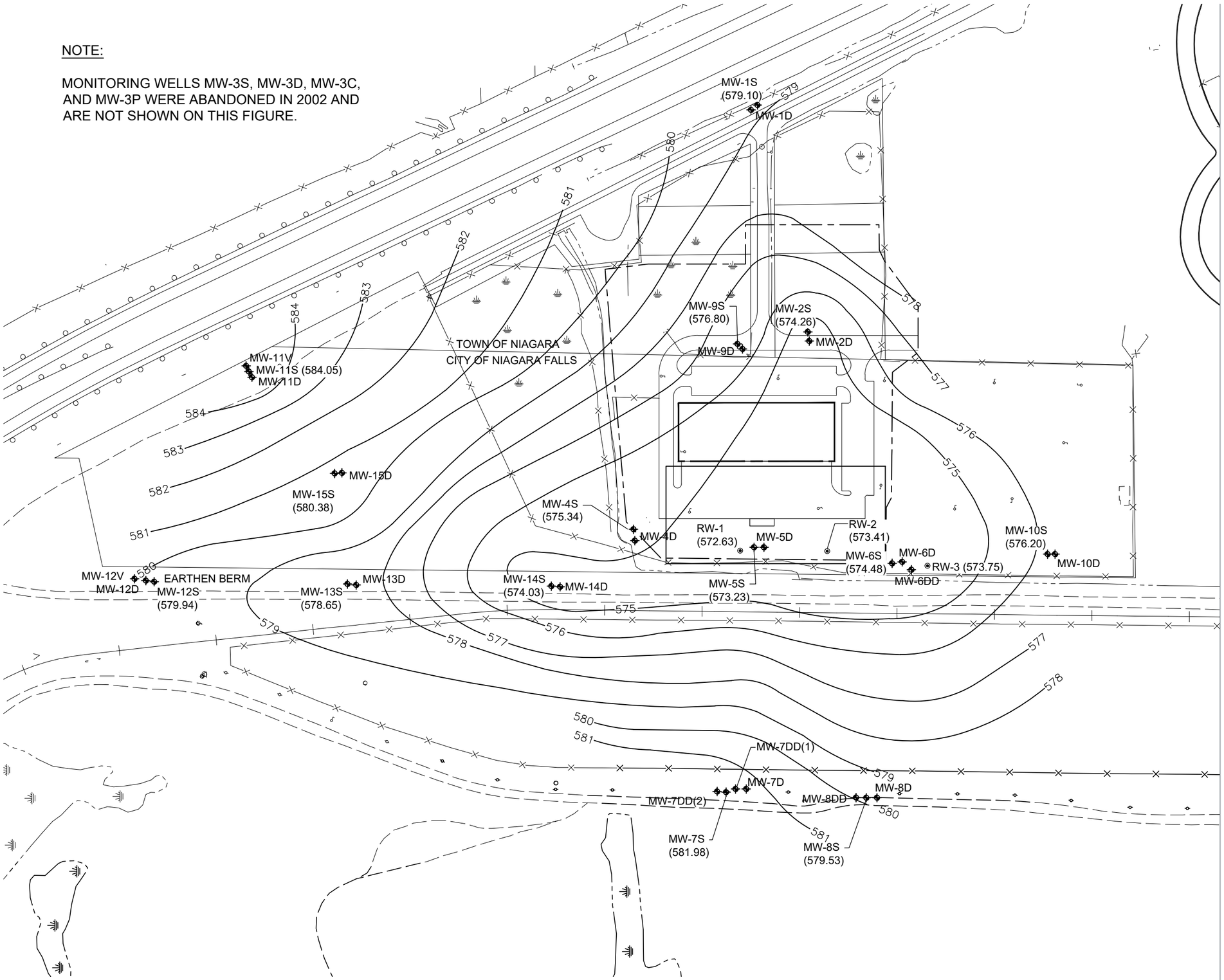
200 0 200

FILE NO. 5540.65610-013
OCTOBER 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.



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 (11/27/18)

1"=200'

200 0 200

FILE NO. 5540.65610-015
DECEMBER 2018

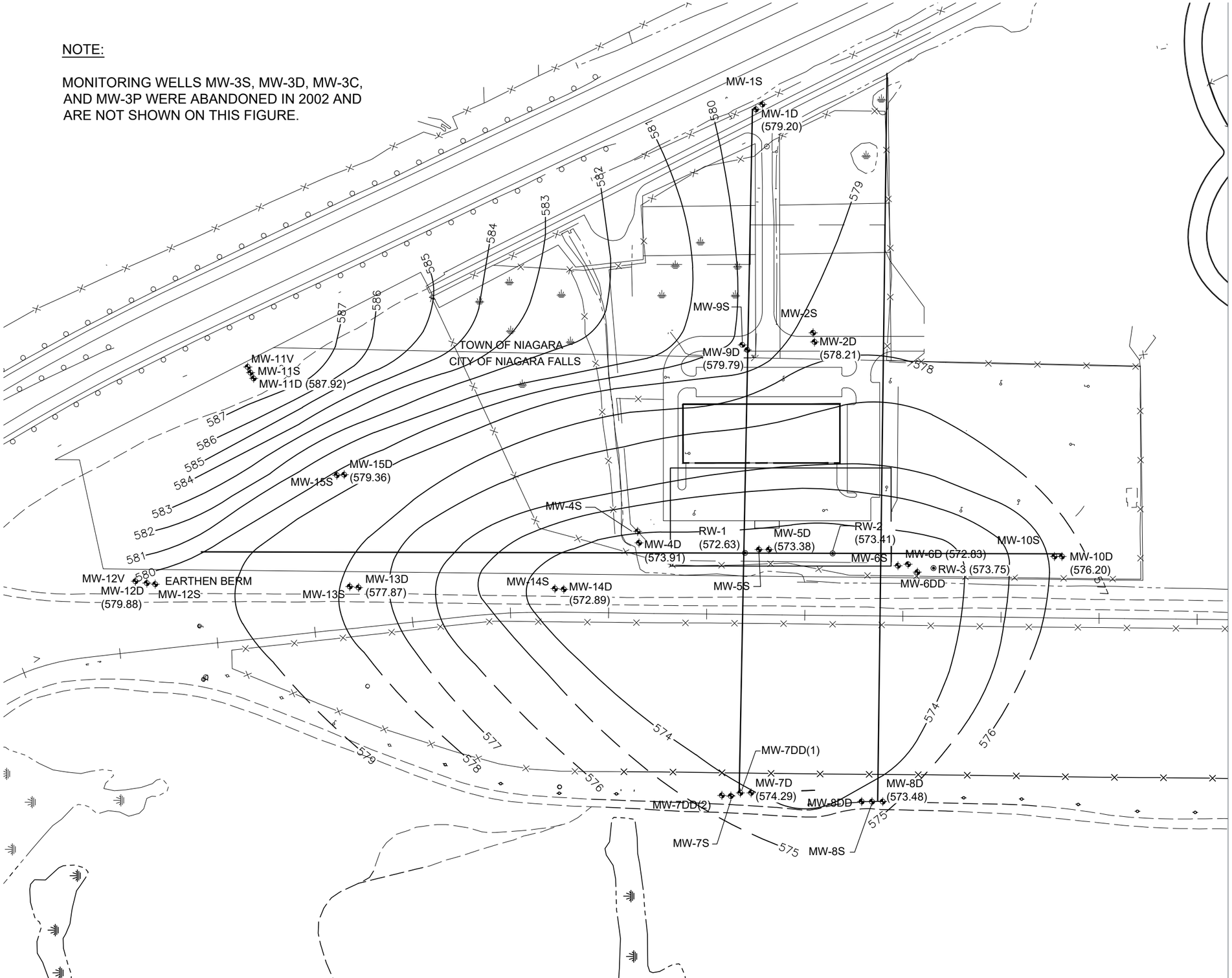
O'BRIEN & GERE ENGINEERS, INC.

12/18/2018 2:13 PM

I:\Goodyear.5540\65610.Forest-Glen-201\Docs\DWG\Sheets\65610-015-FIG1.dwg

NOTE:

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



N

LEGEND

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

DEEP BEDROCK GROUND WATER ELEVATION CONTOURS (11/27/18)

1"=200'

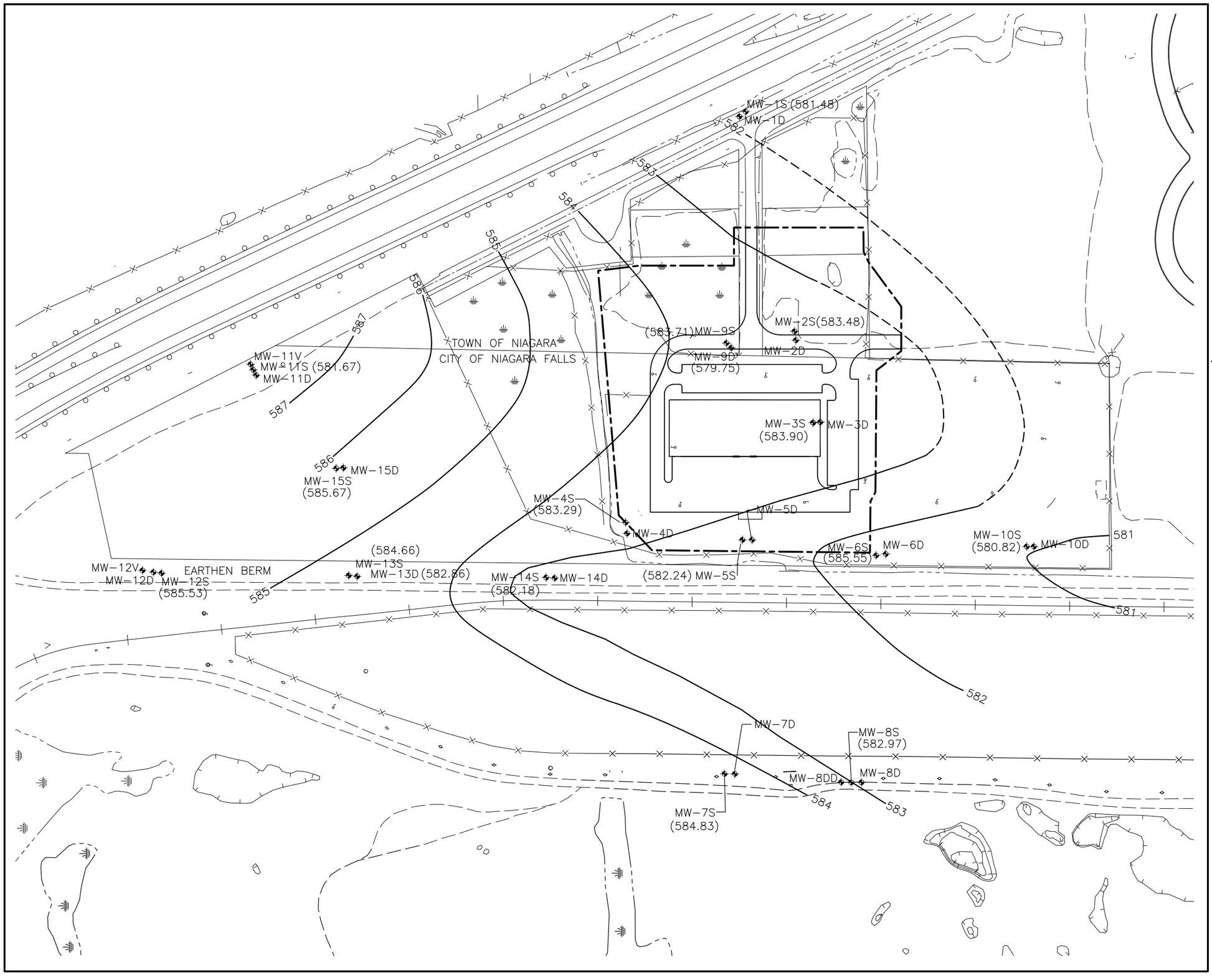
200 0 200

FILE NO. 5540.65610-016
DECEMBER 2018

O'BRIEN & GERE ENGINEERS, INC.

Jan 23, 2015 - 1:54pm

FIGURE 12



LEGEND

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

NOTE:

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

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

1"=200' 200 0 200

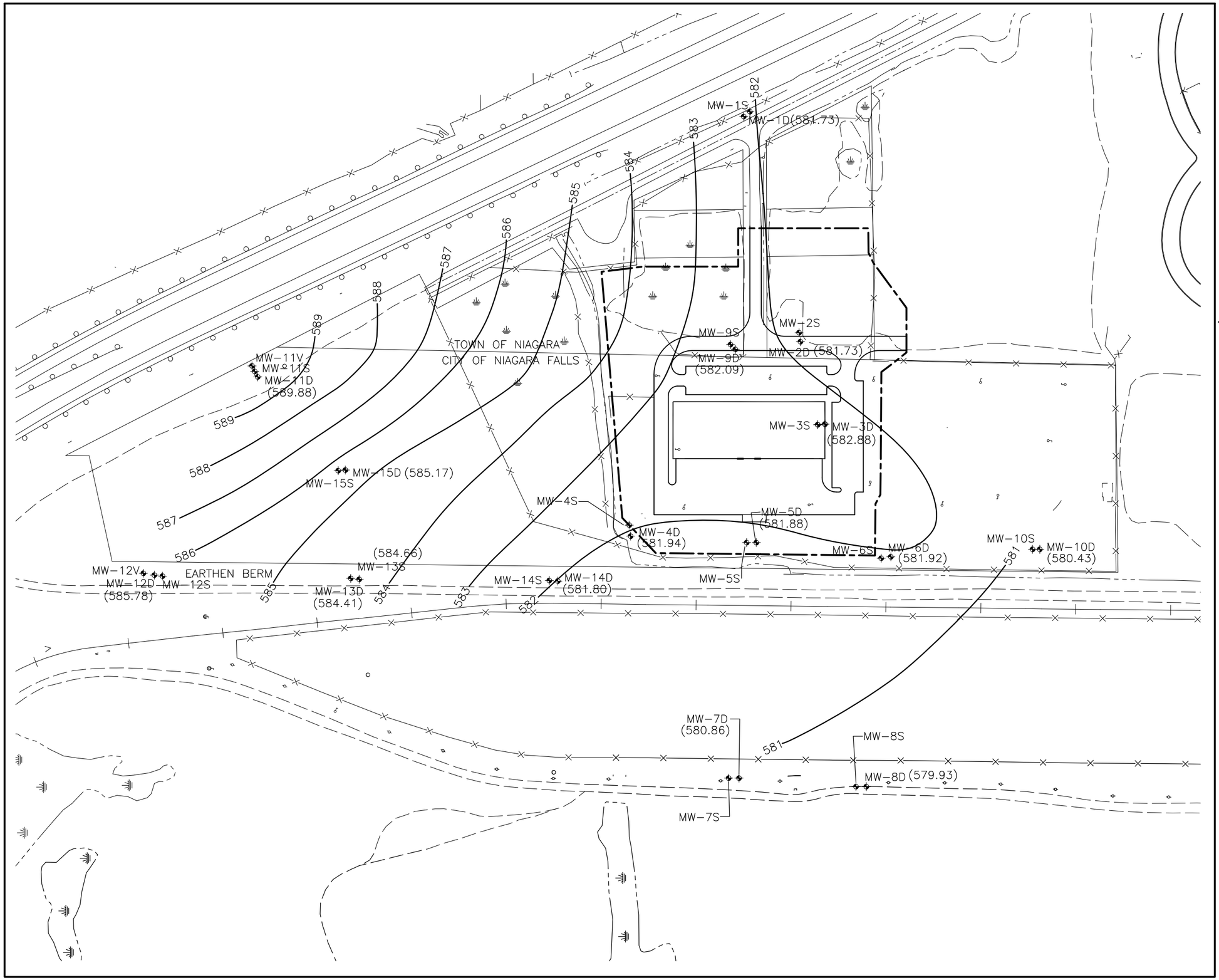
FILE NO. 5540.44667.017
MARCH 2010

O'BRIEN & GERE
ENGINEERS INC.

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

Jan 23, 2015 - 1:55pm

FIGURE 13



LEGEND

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

FOREST GLEN
SUPERFUND SITE
NIAGARA COUNTY, NEW YORK

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

1"=200' 200 0 200

FILE NO. 5540.44667.018
MARCH 2010

O'BRIEN & GERE
ENGINEERS INC.

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

Appendices

Appendix A

Effluent Monitoring Reports

March 8, 2018

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, 2018)

FILE: 5540.65610

Dear Mr. Paradise,

This quarterly monitoring report for the period between November 1, 2017 and February 28, 2018 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 November 1, 2017 and February 28, 2018, a total of 3,006,267 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, 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 Cavotta

James M. Cavotta
Project Manager

I:\Goodyear.5540\65610.Forest-Glen-201\Corres\NFWB Quarterly Reports\Dec2017-Feb2018 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, 2018

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. Lemmo

Title: MNGR. GLOBAL REMEDIATION

Date: FEBRUARY 14, 2018

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: → 12/20/17						
24-HOUR FLOW IN MGD *						0.035
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – DICHLOROETHYLENE	38	4.9 J	16	0.0061	18.39	0.0046
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	5 U	0	0	0
TOLUENE						
1,1,1 – TRICHLOROETHANE	1.8 J	5 U	5 U	0.0002	0.83	0.0002
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	0.75 J	5 U	5 U	0	0.72	0
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	11	3.2 J	2.6 J	0.0018	5.43	0.0014
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	RW-2	RESULTS RW-3	Combined	ANNUAL AVERAGE	ANNUAL AVERAGE
	ug/ℓ	/ ug/ℓ	ug/ℓ	/ lbs/day	ug/ℓ	lbs/day
DATE SAMPLED: → 12/20/17						
24-HOUR FLOW IN MGD						0.035
DIMETHYLPHTHALATE						
BUTYL BENZYL PHTHALATE						
Di-N-BUTHY PHTHALATE						
Di-N-OCTYL PHTHALATE						
DIETHYL PHTHALATE						
NITROSODIPHENYLAMINE						
DICHLOROBENZENES						
DICHLOROTOLUENE						
ACENAPHTHENE						
FLUORANTHENE						
CHRYSENE						
NAPHTHALENE						
BENZO (a) ANTHRACENE						
PYRENE						
TRICHLOROBENZENE						
TRICHLOROTOLUENE						
HEXACHLOROBUTADIENE						
TETRACHLOROBENZENE						
HEXACHLOROCYCLOPENTADIENE						
HEXCHLOROBENZENE						
DICHLOROBENZOTRIFLUORIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 12/20/17						
24-HOUR FLOW IN MGD						0.035
PHENANTHRENE						
MONOCHLOROPHENOL						
DICHLOROPHENOL						
MONOCHLOROCRESOL						
TRICHLOROPHENOL						
PENTACHLOROPHENOL						
HEXACHLOROCYCLOHEXANES						
PCB's						
ENDOSULFAN I +						
ENDOSULFAN II +						
ENDOSULFAN SULFATE						
MIREX						
DECHLORANE PLUS						
HEPTACHLOR +						
HEPTACHLOR EPOXIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 12/20/17						
24-HOUR FLOW IN MGD *						0.035
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	1.8 J	5 U	5 U	0.0002	0.83	0.0002
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	3.9 J	1.1 J	5 U	0.0006	2.06	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: → 12/20/17						
24-HOUR FLOW IN MGD *						0.035
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	11	3.2 J	2.6 J	0.0018	5.43	0.0014
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE	0.75 J	5 U	5 U	0	0.72	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: → 12/20/17						
24-HOUR FLOW IN MGD						0.035
TOTAL SUSPENDED SOLIDS						
SOLUABLE ORGANIC CARBON						
TOTAL PHOSPHOROUS						
TOTAL PHENOL						
OIL and GREASE						
CADMIUM						
CHROMIUM						
COPPER						
LEAD						
MERCURY						
NICKEL						
ZINC						
ARSENIC						
BERYLLIUM						
BARIUM						
TOTAL CYANIDE						
pH (STANDARD UNITS)						
RESIDUAL CHLORINE						
TOTAL SODIUM CHLORIDE						
TOTAL AMMONIA						
DIETHYLENE GLYCOL						

PART II

COMPLIANCE MONITORING

SIU NAME: The Goodyear Tire & Rubber Company

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

Analyte	RW-1 (12/20/17)	RW-1 volume 14,428 gallons Contribution to loading to POTW	RW-2 (12/20/17)	RW-2 volume 13,541 gallons Contribution to loading to POTW	RW-3 (12/20/17)	RW-3 volume 7,156 gallons Contribution to loading to POTW	Total volume 35,125 gallons Total loading to POTW	
1,1,1-trichloroethane	1.8 J	0.0002 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0.0002 lbs/day	0.7394 ug/l
1,1-dichloroethane	3.9 J	0.0005 lbs/day	1.1 J	0.0001 lbs/day	5 U	0 lbs/day	0.0006 lbs/day	2.0260 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	38	0.0046 lbs/day	4.9 J	0.0006 lbs/day	16	0.0010 lbs/day	0.0061 lbs/day	20.7576 ug/l
tetrachloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
trans-1,2-dichloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
trichloroethylene	0.75 J	0.0001 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.3081 ug/l
vinyl chloride	11	0.0013 lbs/day	3.2 J	0.0004 lbs/day	2.6 J	0.0002 lbs/day	0.0018 lbs/day	6.2817 ug/l

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

	4/11/2017	6/27/2017	9/12/2017	12/20/2017	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	1.0044	0.6518	0.9218	0.7394	0.83
1,1-dichloroethane	1.5968	2.2111	2.4245	2.0260	2.06
1,1-dichloroethylene	0	0	0	0	0.00
cis-1,2-dichloroethylene	11.8043	19.2514	21.7644	20.7576	18.39
tetrachloroethylene	0	0	0	0	0.00
trans-1,2-dichloroethylene	0	0	0	0	0.00
trichloroethylene	2.1694	0.3829	0	0.3081	0.72
vinyl chloride	2.5908	5.3553	7.4737	6.2817	5.43

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0001	0.0002	0.0003	0.0002	0.0002
1,1-dichloroethane	0.0002	0.0005	0.0007	0.0006	0.0005
1,1-dichloroethylene	0	0	0	0	0.0000
cis-1,2-dichloroethylene	0.0017	0.0046	0.0061	0.0061	0.0046
tetrachloroethylene	0	0	0	0	0.0000
trans-1,2-dichloroethylene	0	0	0	0	0.0000
trichloroethylene	0	0.0001	0	0	0.0000
vinyl chloride	0.0004	0.0013	0.0021	0.0018	0.0014

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: 480-129275-1
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:
12/27/2017 3:30:02 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

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: 480-129275-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-129275-1

Comments
No additional comments.

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 3.1° C and 3.3° C.

GC/MS VOA
Method(s) 624: The following Volatile sample(s) was composited by the laboratory on 12/21/2017 as requested by the client: RW-1 LAB COMPOSITE (480-129275-13), RW-2 LAB COMPOSITE (480-129275-14) and RW-3 LAB COMPOSITE (480-129275-15). 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: 480-129275-1

Client Sample ID: RW-1 LAB COMPOSITE — Lab Sample ID: 480-129275-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.8	J	5.0	0.39	ug/L	1		624	Total/NA
1,1-Dichloroethane	3.9	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	38		5.0	0.57	ug/L	1		624	Total/NA
Trichloroethylene	0.75	J	5.0	0.60	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: 480-129275-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	4.9	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: 480-129275-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	16		5.0	0.57	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

Date Collected: 12/20/17 09:30
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129275-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.8**	**J**	5.0	0.39	ug/L			12/21/17 23:06	1
1,1-Dichloroethane	**3.9**	**J**	5.0	0.59	ug/L			12/21/17 23:06	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			12/21/17 23:06	1
cis-1,2-Dichloroethylene	**38**		5.0	0.57	ug/L			12/21/17 23:06	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			12/21/17 23:06	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			12/21/17 23:06	1
Trichloroethylene	**0.75**	**J**	5.0	0.60	ug/L			12/21/17 23:06	1
Vinyl chloride	**11**		5.0	0.75	ug/L			12/21/17 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*68 - 130*		*12/21/17 23:06*	*1*
4-Bromofluorobenzene (Surr)	*90*		*76 - 123*		*12/21/17 23:06*	*1*
Toluene-d8 (Surr)	*92*		*77 - 120*		*12/21/17 23:06*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 123*		*12/21/17 23:06*	*1*

Client Sample ID: RW-2 LAB COMPOSITE

Date Collected: 12/20/17 09:30
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129275-14
Matrix: Water

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			12/21/17 23:30	1
1,1-Dichloroethane	**1.1**	**J**	5.0	0.59	ug/L			12/21/17 23:30	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			12/21/17 23:30	1
cis-1,2-Dichloroethylene	**4.9**	**J**	5.0	0.57	ug/L			12/21/17 23:30	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			12/21/17 23:30	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			12/21/17 23:30	1
Trichloroethylene	ND		5.0	0.60	ug/L			12/21/17 23:30	1
Vinyl chloride	**3.2**	**J**	5.0	0.75	ug/L			12/21/17 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*68 - 130*		*12/21/17 23:30*	*1*
4-Bromofluorobenzene (Surr)	*89*		*76 - 123*		*12/21/17 23:30*	*1*
Toluene-d8 (Surr)	*91*		*77 - 120*		*12/21/17 23:30*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*12/21/17 23:30*	*1*

Client Sample ID: RW-3 LAB COMPOSITE

Date Collected: 12/20/17 09:30
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129275-15
Matrix: Water

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			12/21/17 23:54	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/21/17 23:54	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			12/21/17 23:54	1
cis-1,2-Dichloroethylene	**16**		5.0	0.57	ug/L			12/21/17 23:54	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			12/21/17 23:54	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			12/21/17 23:54	1
Trichloroethylene	ND		5.0	0.60	ug/L			12/21/17 23:54	1
Vinyl chloride	**2.6**	**J**	5.0	0.75	ug/L			12/21/17 23:54	1

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

TestAmerica Job ID: 480-129275-1

Client Sample ID: RW-3 LAB COMPOSITE
Date Collected: 12/20/17 09:30
Date Received: 12/20/17 17:30

Lab Sample ID: 480-129275-15
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		68 - 130		12/21/17 23:54	1
4-Bromofluorobenzene (Surr)	92		76 - 123		12/21/17 23:54	1
Toluene-d8 (Surr)	93		77 - 120		12/21/17 23:54	1
Dibromofluoromethane (Surr)	90		75 - 123		12/21/17 23:54	1

Surrogate Summary

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

TestAmerica Job ID: 480-129275-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)	(75-123)
480-129275-13	RW-1 LAB COMPOSITE	80	90	92	88
480-129275-14	RW-2 LAB COMPOSITE	82	89	91	91
480-129275-15	RW-3 LAB COMPOSITE	83	92	93	90
LCS 480-393166/6	Lab Control Sample	77	89	91	84
MB 480-393166/8	Method Blank	78	88	92	85

Surrogate Legend

DCA = 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 480-393166/8
Matrix: Water
Analysis Batch: 393166

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			12/21/17 17:34	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/21/17 17:34	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			12/21/17 17:34	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			12/21/17 17:34	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			12/21/17 17:34	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			12/21/17 17:34	1
Trichloroethylene	ND		5.0	0.60	ug/L			12/21/17 17:34	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/21/17 17:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*78*		*68 - 130*		*12/21/17 17:34*	*1*
4-Bromofluorobenzene (Surr)	*88*		*76 - 123*		*12/21/17 17:34*	*1*
Toluene-d8 (Surr)	*92*		*77 - 120*		*12/21/17 17:34*	*1*
Dibromofluoromethane (Surr)	*85*		*75 - 123*		*12/21/17 17:34*	*1*

Lab Sample ID: LCS 480-393166/6
Matrix: Water
Analysis Batch: 393166

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	17.8		ug/L		89	52 - 162
1,1-Dichloroethane	20.0	19.3		ug/L		97	59 - 155
1,1-Dichloroethylene	20.0	20.1		ug/L		100	1 - 234
Tetrachloroethylene	20.0	19.6		ug/L		98	64 - 148
trans-1,2-Dichloroethylene	20.0	20.4		ug/L		102	54 - 156
Trichloroethylene	20.0	20.4		ug/L		102	71 - 157
Vinyl chloride	20.0	16.2		ug/L		81	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*77*		*68 - 130*
4-Bromofluorobenzene (Surr)	*89*		*76 - 123*
Toluene-d8 (Surr)	*91*		*77 - 120*
Dibromofluoromethane (Surr)	*84*		*75 - 123*

GC/MS VOA

Analysis Batch: 393166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129275-13	RW-1 LAB COMPOSITE	Total/NA	Water	624	
480-129275-14	RW-2 LAB COMPOSITE	Total/NA	Water	624	
480-129275-15	RW-3 LAB COMPOSITE	Total/NA	Water	624	
MB 480-393166/8	Method Blank	Total/NA	Water	624	
LCS 480-393166/6	Lab Control Sample	Total/NA	Water	624	

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-129275-13

Date Collected: 12/20/17 09:30
Date Received: 12/20/17 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	393166	12/21/17 23:06	LCH	TAL BUF

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-129275-14

Date Collected: 12/20/17 09:30
Date Received: 12/20/17 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	393166	12/21/17 23:30	LCH	TAL BUF

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-129275-15

Date Collected: 12/20/17 09:30
Date Received: 12/20/17 17:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	393166	12/21/17 23:54	LCH	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-129275-1

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: 480-129275-1

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: 480-129275-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-129275-13	RW-1 LAB COMPOSITE	Water	12/20/17 09:30	12/20/17 17:30
480-129275-14	RW-2 LAB COMPOSITE	Water	12/20/17 09:30	12/20/17 17:30
480-129275-15	RW-3 LAB COMPOSITE	Water	12/20/17 09:30	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

TestAmerica

Client Information			
Client Contact: Mr. Yuri Veliz	Sampler: MARTIN Kowalczyk	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):
Company: O'Brien & Gere Inc of North America	Phone: 315-729-1360	E-Mail: orlette.johnson@testamericainc.com	
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#:		

COC No: 480-106521-14318.1
Page: Page 1 of 1
Job #:

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)	624_5ml - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		To Be Composited AT LABS
RW-1 121917	12-19-17	11:40	G	Water			3		
RW-2 121917	12-19-17	11:40	G	Water			3		
RW-3 121917	12-19-17	11:40	G	Water			3		
RW-1 121917	12-19-17	14:00	G	W			3		
RW-2 121917	12-19-17	14:00	G	W			3		
RW-3 121917	12-19-17	14:00	G	W			3		
RW-1 122017	12-20-17	730	G	W			3		
RW-2 122017	12-20-17	730	G	W			3		
RW-3 122017	12-20-17	730	G	W			3		480-129275 COC
RW-1 122017	12-20-17	930	G	W			3		
~~RW-2 122017~~	~~12-20-17~~	~~930~~	G	W					
RW-3 122017	12-20-17	930	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
[signature]	12-20-17 / 17:30	OBG	[signature]	12/20/17 1730	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: 480-129275-1

Login Number: 129275
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.	True	
Chlorine Residual checked.	False	LAB TO CHECK R.C.

June 4, 2018

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, 2018)

FILE: 5540.65610

Dear Mr. Paradise,

This quarterly monitoring report for the period between March 1 and May 31, 2018 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, 2018, a total of 2,255,107 gallons of groundwater were recovered and discharged to the sanitary sewer for treatment at the Niagara Falls publicly owned treatment works (POTW), and in accordance with SIU Permit No. 61 Goodyear conducted self-monitoring of the flow. The monitoring included collection of four separate grab samples from March 13 to March 14, 2018 from recovery wells RW-1, RW-2 and RW-3.

The four grab samples collected from the recovery wells were delivered to Test America, Inc. in Amherst, NY where they were composited and analyzed for volatile organic compounds (VOCs) including vinyl chloride, 1,1-dichloroethylene, 1,2-dichloroethylene (cis and trans), 1,1-dichloroethane, trichloroethylene, tetrachloroethylene and 1,1,1-trichloroethane using USEPA method 624. The results of the analyses are summarized in the 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.

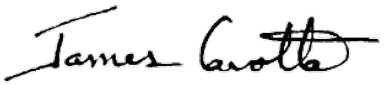
333 West Washington Street, PO Box 4873
Syracuse, NY 13221-4873

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

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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, 2018

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: Snr. Manager, Global Remediation

Date: 5/15/18

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: **The Goodyear Tire & Rubber Company**

SIU PERMIT NO.: **61**

SAMPLE LOCATION: **Forest Glen Site**

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: ⟶ 3/14/18						
24-HOUR FLOW IN MGD *						0.030
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – DICHLOROETHYLENE	2.2 J	25	23	0.0037	19.16	0.0051
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	5 U	0	0	0
TOLUENE						
1,1,1 – TRICHLOROETHANE	0.41 J	1.5 J	5 U	0.0002	0.77	0.0002
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	1.1 J	5.5	1.1 J	0.0007	0.90	0.0002
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	5 U	3.5 J	5.3	0.0006	5.35	0.0015
TETRAHYDRAFURAN						
XYLENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: **The Goodyear Tire & Rubber Company**

SIU PERMIT NO.: **61**

SAMPLE LOCATION: **Forest Glen Site**

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/14/18						
24-HOUR FLOW IN MGD						0.030
DIMETHYLPHTHALATE						
BUTYL BENZYL PHTHALATE						
Di-N-BUTHY PHTHALATE						
Di-N-OCTYL PHTHALATE						
DIETHYL PHTHALATE						
NITROSODIPHENYLAMINE						
DICHLOROBENZENES						
DICHLOROTOLUENE						
ACENAPHTHENE						
FLUORANTHENE						
CHRYSENE						
NAPHTHALENE						
BENZO (a) ANTHRACENE						
PYRENE						
TRICHLOROBENZENE						
TRICHLOROTOLUENE						
HEXACHLOROBUTADIENE						
TETRACHLOROBENZENE						
HEXACHLOROCYCLOPENTADIENE						
HEXCHLOROBENZENE						
DICHLOROBENZOTRIFLUORIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: **The Goodyear Tire & Rubber Company**

SIU PERMIT NO.: **61**

SAMPLE LOCATION: **Forest Glen Site**

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/14/18						
24-HOUR FLOW IN MGD						0.030
PHENANTHRENE						
MONOCHLOROPHENOL						
DICHLOROPHENOL						
MONOCHLOROCRESOL						
TRICHLOROPHENOL						
PENTACHLOROPHENOL						
HEXACHLOROCYCLOHEXANES						
PCB's						
ENDOSULFAN I +						
ENDOSULFAN II +						
ENDOSULFAN SULFATE						
MIREX						
DECHLORANE PLUS						
HEPTACHLOR +						
HEPTACHLOR EPOXIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: **The Goodyear Tire & Rubber Company**

SIU PERMIT NO.: **61**

SAMPLE LOCATION: **Forest Glen Site**

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/14/18						
24-HOUR FLOW IN MGD *						0.030
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	0.41 J	1.5 J	5 U	0.0002	0.77	0.0002
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	1.3 J	2.5 J	0.77 J	0.0004	2.09	0.0006
1,1,2 – TRICHLOROETHANE						
CHLOROETHANE						
1,2 – DICHLOROBENZENE						
1,3 – DICHLOROBENZENE						
1,4 – DICHLOROBENZENE						
1,1 DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – TRANS-DICHLOROETHYLENE						
1,3 – DICHLOROPROPYLENE						
METHYL CHLORIDE						
NITROBENZENE						
2 – NITROPHENOL						
4 – NITROPHENOL						
4,6 DINITRO-O-CRESOL						
BIS [2 – ETHYHEXYL] PHTHALATE						
ANTHRACENE						
DIETHYL PHTHALATE						
FLUORENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: **The Goodyear Tire & Rubber Company**

SIU PERMIT NO.: **61**

SAMPLE LOCATION: **Forest Glen Site**

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/14/18						
24-HOUR FLOW IN MGD *						0.030
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	5 U	3.5 J	5.3	0.0006	5.35	0.0015
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE	1.1 J	5.5	1.1 J	0.0007	0.90	0.0002
TOTAL CYANIDE						
TOTAL LEAD						
TOTAL ZINC						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: **The Goodyear Tire & Rubber Company**

SIU PERMIT NO.: **61**

SAMPLE LOCATION: **Forest Glen Site**

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 3/14/18						
24-HOUR FLOW IN MGD						0.030
TOTAL SUSPENDED SOLIDS						
SOLUABLE ORGANIC CARBON						
TOTAL PHOSPHOROUS						
TOTAL PHENOL						
OIL and GREASE						
CADMIUM						
CHROMIUM						
COPPER						
LEAD						
MERCURY						
NICKEL						
ZINC						
ARSENIC						
BERYLLIUM						
BARIUM						
TOTAL CYANIDE						
pH (STANDARD UNITS)						
RESIDUAL CHLORINE						
TOTAL SODIUM CHLORIDE						
TOTAL AMMONIA						
DIETHYLENE GLYCOL						

PART II

COMPLIANCE MONITORING

The Goodyear Tire & Rubber Company

SIU NAME: _____

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 12,922 gallons		RW-2 volume 11,972 gallons		RW-3 volume 5,149 gallons	Total volume 30,043 gallons	
Analyte	RW-1 (3/14/18)	Contribution to loading to POTW	RW-2 (3/14/18)	Contribution to loading to POTW	RW-3 (3/14/18)	Contribution to loading to POTW	Total loading to POTW	
1,1,1-trichloroethane	0.41 J	0.00004 lbs/day	1.5 J	0.0001 lbs/day	5 U	0 lbs/day	0.0002 lbs/day	0.7741 ug/l
1,1-dichloroethane	1.3 J	0.0001 lbs/day	2.5 J	0.0002 lbs/day	0.77 J	0.00003 lbs/day	0.0004 lbs/day	1.6874 ug/l
1,1-dichloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0 lbs/day	0.0000 ug/l
cis-1,2-dichloroethylene	2.2 J	0.0002 lbs/day	25	0.0025 lbs/day	23	0.0010 lbs/day	0.0037 lbs/day	14.8506 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	1.1 J	0.0001 lbs/day	5.6	0.0006 lbs/day	1.1 J	0.0000 lbs/day	0.0007 lbs/day	2.8932 ug/l
vinyl chloride	5 U	0 lbs/day	3.5 J	0.0003 lbs/day	5.3	0.0002 lbs/day	0.0006 lbs/day	2.3031 ug/l

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

	6/27/2017	9/12/2017	12/20/2017	3/14/2018	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	0.6518	0.9218	0.7394	0.7741	0.77
1,1-dichloroethane	2.2111	2.4245	2.0260	1.6874	2.09
1,1-dichloroethylene	0	0	0	0	0.00
cis-1,2-dichloroethylene	19.2514	21.7644	20.7576	14.8506	19.16
tetrachloroethylene	0	0	0	0	0.00
trans-1,2-dichloroethylene	0	0	0	0	0.00
trichloroethylene	0.3829	0	0.3081	2.8932	0.90
vinyl chloride	5.3553	7.4737	6.2817	2.3031	5.35

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0002	0.0003	0.0002	0.0002	0.0002
1,1-dichloroethane	0.0005	0.0007	0.0006	0.0004	0.0006
1,1-dichloroethylene	0	0	0	0	0
cis-1,2-dichloroethylene	0.0046	0.0061	0.0061	0.0037	0.0051
tetrachloroethylene	0	0	0	0	0
trans-1,2-dichloroethylene	0	0	0	0	0
trichloroethylene	0.0001	0	0	0.0007	0.0002
vinyl chloride	0.0013	0.0021	0.0018	0.0006	0.0015

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: 480-132705-1
Client Project/Site: Forest Glen Discharge Analysis

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

Attn: Mr. David J Carnevale

Joseph V. Giacomazza

Authorized for release by:
3/20/2018 2:02:31 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

Definitions/Glossary

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

TestAmerica Job ID: 480-132705-1

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: 480-132705-1

Job ID: 480-132705-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-132705-1

Comments
No additional comments.

Receipt
The samples were received on 3/14/2018 5:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method(s) 624: The following Volatile samples were composited by the laboratory on 03/16/2018 as requested by the client: RW-1 LAB COMPOSITE (480-132705-13), RW-2 LAB COMPOSITE (480-132705-14) and RW-3 LAB COMPOSITE (480-132705-15). 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: 480-132705-1

Client Sample ID: RW-1 LAB COMPOSITE — Lab Sample ID: 480-132705-13

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	1.3	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	2.2	J	5.0	0.57	ug/L	1		624	Total/NA
Trichloroethylene	1.1	J	5.0	0.60	ug/L	1		624	Total/NA

Client Sample ID: RW-2 LAB COMPOSITE — Lab Sample ID: 480-132705-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.5	J	5.0	0.39	ug/L	1		624	Total/NA
1,1-Dichloroethane	2.5	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	25		5.0	0.57	ug/L	1		624	Total/NA
Trichloroethylene	5.6		5.0	0.60	ug/L	1		624	Total/NA
Vinyl chloride	3.5	J	5.0	0.75	ug/L	1		624	Total/NA

Client Sample ID: RW-3 LAB COMPOSITE — Lab Sample ID: 480-132705-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.77	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
Trichloroethylene	1.1	J	5.0	0.60	ug/L	1		624	Total/NA
Vinyl chloride	5.3		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: 480-132705-13

Date Collected: 03/14/18 11:40

Matrix: Water

Date Received: 03/14/18 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			03/16/18 21:23	1
1,1-Dichloroethane	**1.3**	**J**	5.0	0.59	ug/L			03/16/18 21:23	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			03/16/18 21:23	1
cis-1,2-Dichloroethylene	**2.2**	**J**	5.0	0.57	ug/L			03/16/18 21:23	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			03/16/18 21:23	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			03/16/18 21:23	1
Trichloroethylene	**1.1**	**J**	5.0	0.60	ug/L			03/16/18 21:23	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/16/18 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*03/16/18 21:23*	*1*
4-Bromofluorobenzene (Surr)	*113*		*76 - 123*		*03/16/18 21:23*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*03/16/18 21:23*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/16/18 21:23*	*1*

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-132705-14

Date Collected: 03/14/18 11:40

Matrix: Water

Date Received: 03/14/18 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.5**	**J**	5.0	0.39	ug/L			03/16/18 21:47	1
1,1-Dichloroethane	**2.5**	**J**	5.0	0.59	ug/L			03/16/18 21:47	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			03/16/18 21:47	1
cis-1,2-Dichloroethylene	**25**		5.0	0.57	ug/L			03/16/18 21:47	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			03/16/18 21:47	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			03/16/18 21:47	1
Trichloroethylene	**5.6**		5.0	0.60	ug/L			03/16/18 21:47	1
Vinyl chloride	**3.5**	**J**	5.0	0.75	ug/L			03/16/18 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*		*03/16/18 21:47*	*1*
4-Bromofluorobenzene (Surr)	*111*		*76 - 123*		*03/16/18 21:47*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*03/16/18 21:47*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/16/18 21:47*	*1*

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-132705-15

Date Collected: 03/14/18 11:40

Matrix: Water

Date Received: 03/14/18 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			03/16/18 22:11	1
1,1-Dichloroethane	**0.77**	**J**	5.0	0.59	ug/L			03/16/18 22:11	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			03/16/18 22:11	1
cis-1,2-Dichloroethylene	**23**		5.0	0.57	ug/L			03/16/18 22:11	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			03/16/18 22:11	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			03/16/18 22:11	1
Trichloroethylene	**1.1**	**J**	5.0	0.60	ug/L			03/16/18 22:11	1
Vinyl chloride	**5.3**		5.0	0.75	ug/L			03/16/18 22:11	1

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

TestAmerica Job ID: 480-132705-1

Client Sample ID: RW-3 LAB COMPOSITE
Date Collected: 03/14/18 11:40
Date Received: 03/14/18 17:20

Lab Sample ID: 480-132705-15
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		68 - 130		03/16/18 22:11	1
4-Bromofluorobenzene (Surr)	112		76 - 123		03/16/18 22:11	1
Toluene-d8 (Surr)	97		77 - 120		03/16/18 22:11	1
Dibromofluoromethane (Surr)	96		75 - 123		03/16/18 22:11	1

Surrogate Summary

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

TestAmerica Job ID: 480-132705-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)	(75-123)
480-132705-13	RW-1 LAB COMPOSITE	95	113	96	93
480-132705-14	RW-2 LAB COMPOSITE	93	111	96	94
480-132705-15	RW-3 LAB COMPOSITE	94	112	97	96
LCS 480-404439/6	Lab Control Sample	91	114	98	96
MB 480-404439/8	Method Blank	95	112	96	96

Surrogate Legend

DCA = 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: 480-132705-1

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

Lab Sample ID: MB 480-404439/8
Matrix: Water
Analysis Batch: 404439

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/16/18 19:11	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/16/18 19:11	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			03/16/18 19:11	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			03/16/18 19:11	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			03/16/18 19:11	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			03/16/18 19:11	1
Trichloroethylene	ND		5.0	0.60	ug/L			03/16/18 19:11	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/16/18 19:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*03/16/18 19:11*	*1*
4-Bromofluorobenzene (Surr)	*112*		*76 - 123*		*03/16/18 19:11*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*03/16/18 19:11*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*03/16/18 19:11*	*1*

Lab Sample ID: LCS 480-404439/6
Matrix: Water
Analysis Batch: 404439

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	22.2		ug/L		111	52 - 162
1,1-Dichloroethane	20.0	22.0		ug/L		110	59 - 155
1,1-Dichloroethylene	20.0	22.5		ug/L		112	1 - 234
Tetrachloroethylene	20.0	21.0		ug/L		105	64 - 148
trans-1,2-Dichloroethylene	20.0	23.4		ug/L		117	54 - 156
Trichloroethylene	20.0	21.7		ug/L		109	71 - 157
Vinyl chloride	20.0	20.6		ug/L		103	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*68 - 130*
4-Bromofluorobenzene (Surr)	*114*		*76 - 123*
Toluene-d8 (Surr)	*98*		*77 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

QC Association Summary

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

TestAmerica Job ID: 480-132705-1

GC/MS VOA

Analysis Batch: 404439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-132705-13	RW-1 LAB COMPOSITE	Total/NA	Water	624	
480-132705-14	RW-2 LAB COMPOSITE	Total/NA	Water	624	
480-132705-15	RW-3 LAB COMPOSITE	Total/NA	Water	624	
MB 480-404439/8	Method Blank	Total/NA	Water	624	
LCS 480-404439/6	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: 480-132705-1

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-132705-13

Date Collected: 03/14/18 11:40
Matrix: Water
Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	404439	03/16/18 21:23	GSR	TAL BUF

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-132705-14

Date Collected: 03/14/18 11:40
Matrix: Water
Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	404439	03/16/18 21:47	GSR	TAL BUF

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-132705-15

Date Collected: 03/14/18 11:40
Matrix: Water
Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	404439	03/16/18 22:11	GSR	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: 480-132705-1

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 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-132705-1

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: 480-132705-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-132705-13	RW-1 LAB COMPOSITE	Water	03/14/18 11:40	03/14/18 17:20
480-132705-14	RW-2 LAB COMPOSITE	Water	03/14/18 11:40	03/14/18 17:20
480-132705-15	RW-3 LAB COMPOSITE	Water	03/14/18 11:40	03/14/18 17:20

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

Chain of Custody Record

480-132705 COC

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koennecke	Lab PM: Johnson, Orlette S	Carrier:	COC No: 480-110310-14318.1
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 #: 132705

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

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624_5ml - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 031318	3-13-18	11:45	G	Water			3		
RW-2 031318	3-13-18	11:45	G	Water			3		TO BE COMPOSTED AT LABS
RW 3 031318	3-13-18	11:45	G	Water			3		
RW-1 031318	3-13-18	14:45	G	W			3		
RW-2 031318	3-13-18	14:45	G	W			3		
RW-3 031318	3-13-18	14:45	G	W			3		
RW-1 031418	3-14-18	8:00	G	W			3		
RW-2 031418	3-14-18	8:00	G	W			3		
RW-3 031418	3-14-18	8:00	G	W					

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 Koennecke	3-14-18 / 17:25	OBG		3/14/18 1720	HAB
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: #1 2A

Ver: 08/04/2016

3/20/2018

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	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-110310-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11700485			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Discharge Analysis	Project #: 48002806			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624_5ml - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 031418	3-14-18	11:40	G	Water			3		
RW-2 031418	3-14-18	11:40	G	Water			3		To Be Composited AT LABS
RW-3 031418	3-14-18	11:40	G	Water			3		

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koenneke	3-14-18 / 17:25	OBG		3/14/18 1720	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		H 2.9

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-132705-1

Login Number: 132705

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

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	Lab to comp VOA vials - as noted in comments
Sampling Company provided.	True	O'Brien & Gere
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

September 12, 2018

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, 2018)

FILE: 5540.65610

Dear Mr. Paradise:

This quarterly monitoring report for the period between June 1 and August 31, 2018 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, 2018, a total of 2,954,082 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 18 to June 19, 2018 from recovery wells RW-1, RW-2 and RW-3.

The four grab samples collected from the recovery wells were delivered to Test America, Inc. in Amherst, NY where they were composited and analyzed for volatile organic compounds (VOCs) including vinyl chloride, 1,1-dichloroethylene, 1,2-dichloroethylene (cis and trans), 1,1-dichloroethane, trichloroethylene, tetrachloroethylene and 1,1,1-trichloroethane using USEPA method 624. The results of the analyses are summarized in the 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.

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

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

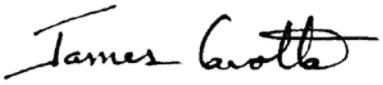
OBG
www.obg.com

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

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

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.



James M. Cavotta
Project Manager

I:\Goodyear.5540\70165.Forest-Glen-201\Corres\NFWB Quarterly Reports\August2018 quarterly report ltr.docx

cc: E. Gloeckler - The Goodyear Tire & Rubber Company
G. Sosa – United States Environmental Protection Agency
P. Ghugare – 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, 2018

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. Lauman

Title: MANAGER GLOBAL REMEDIATION

Date: SEPT. 6, 2018

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: → 6/19/18						
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	44	6	27	0.0069	20.53	0.0057
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	0.8 J	0.0001	0.066	0.00003
TOLUENE						
1,1,1 – TRICHLOROETHANE	2.3 J	5 U	5 U	0.0002	0.79	0.0002
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	5 U	5 U	0.64 J	0.0001	0.85	0.0002
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	13	2.8 J	3.9 J	0.0004	5.60	0.0016
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: → 6/19/18						
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: → 6/19/18						
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: → 6/19/18						
24-HOUR FLOW IN MGD *						0.034
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	2.3 J	5 U	5 U	0.0002	0.79	0.0002
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	4.0 J	1.5 J	5 U	0.0005	1.98	0.0006
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: → 6/19/18						
24-HOUR FLOW IN MGD *						0.034
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	13	2.8 J	3.9 J	0.0004	5.60	0.0016
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	0.64 J	0.0001	0.85	0.0002
TOTAL CYANIDE						
TOTAL LEAD						
TOTAL ZINC						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: **The Goodyear Tire & Rubber Company**

SIU PERMIT NO.: **61**

SAMPLE LOCATION: **Forest Glen Site**

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 6/19/18						
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: _____

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 10,516 gallons		RW-2 volume 11,985 gallons		RW-3 volume 11,091 gallons	Total volume 33,592 gallons	
Analyte	RW-1 (6/19/18)	Contribution to loading to POTW	RW-2 (6/19/18)	Contribution to loading to POTW	RW-3 (6/19/18)	Contribution to loading to POTW	Total loading to POTW	
1,1,1-trichloroethane	2.3 J	0.00020 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0.0002 lbs/day	0.7200 ug/l
1,1-dichloroethane	4.0 J	0.0004 lbs/day	1.5 J	0.0002 lbs/day	5 U	0 lbs/day	0.0005 lbs/day	1.7874 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	44	0.0039 lbs/day	6	0.0006 lbs/day	27	0.0025 lbs/day	0.0069 lbs/day	24.7581 ug/l
tetrachloroethylene	5 U	0 lbs/day	5 U	0 lbs/day	0.8 J	0.00007 lbs/day	0.0001 lbs/day	0.2641 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	0.64 J	0.00006 lbs/day	0.0001 lbs/day	0.2113 ug/l
vinyl chloride	13	0.0011 lbs/day	2.8 J	0.0003 lbs/day	3.9 J	0.0004 lbs/day	0.0018 lbs/day	6.3563 ug/l

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

	9/12/2017	12/20/2017	3/14/2018	6/19/2018	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	0.9218	0.7394	0.7741	0.7200	0.79
1,1-dichloroethane	2.4245	2.0260	1.6874	1.7874	1.98
1,1-dichloroethylene	0	0	0	0	0
cis-1,2-dichloroethylene	21.7644	20.7576	14.8506	24.7581	20.53
tetrachloroethylene	0	0	0	0.2641	0.066
trans-1,2-dichloroethylene	0	0	0	0	0
trichloroethylene	0	0.3081	2.8932	0.2113	0.85
vinyl chloride	7.4737	6.2817	2.3031	6.3563	5.60

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0003	0.0002	0.0002	0.0002	0.0002
1,1-dichloroethane	0.0007	0.0006	0.0004	0.0005	0.0006
1,1-dichloroethylene	0	0	0	0	0
cis-1,2-dichloroethylene	0.0061	0.0061	0.0037	0.0069	0.0057
tetrachloroethylene	0	0	0	0.0001	0.00003
trans-1,2-dichloroethylene	0	0	0	0	0
trichloroethylene	0	0	0.0007	0.0001	0.0002
vinyl chloride	0.0021	0.0018	0.0006	0.0018	0.0016

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: 480-137684-1
Client Project/Site: Forest Glen Discharge Analysis

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

Attn: Mr. David J Carnevale

Melissa Deyo

Authorized for release by:
6/25/2018 1:54:52 PM

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@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	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: 480-137684-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-137684-1

Receipt
The samples were received on 6/19/2018 4:25 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) 624: The following Volatile sample(s) was composited by the laboratory on 06/21/2018 as requested by the client: RW-1 COMP (480-137684-13), RW-2 COMP (480-137684-14) and RW-3 COMP (480-137684-15). 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: 480-137684-1

Client Sample ID: RW-1 COMP — Lab Sample ID: 480-137684-13

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	4.0	J	5.0	0.59	ug/L	1		624	Total/NA
cis-1,2-Dichloroethylene	44		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 COMP — Lab Sample ID: 480-137684-14

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	5.8		5.0	0.57	ug/L	1		624	Total/NA
Vinyl chloride	2.8	J	5.0	0.75	ug/L	1		624	Total/NA

Client Sample ID: RW-3 COMP — Lab Sample ID: 480-137684-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	27		5.0	0.57	ug/L	1		624	Total/NA
Tetrachloroethylene	0.80	J	5.0	0.34	ug/L	1		624	Total/NA
Trichloroethylene	0.64	J	5.0	0.60	ug/L	1		624	Total/NA
Vinyl chloride	3.9	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 COMP

Lab Sample ID: 480-137684-13

Date Collected: 06/19/18 12:45

Matrix: Water

Date Received: 06/19/18 16:25

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			06/22/18 01:44	1
1,1-Dichloroethane	**4.0**	**J**	5.0	0.59	ug/L			06/22/18 01:44	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/22/18 01:44	1
cis-1,2-Dichloroethylene	**44**		5.0	0.57	ug/L			06/22/18 01:44	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/22/18 01:44	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/22/18 01:44	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/22/18 01:44	1
Vinyl chloride	**13**		5.0	0.75	ug/L			06/22/18 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*06/22/18 01:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*06/22/18 01:44*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*06/22/18 01:44*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/22/18 01:44*	*1*

Client Sample ID: RW-2 COMP

Lab Sample ID: 480-137684-14

Date Collected: 06/19/18 12:45

Matrix: Water

Date Received: 06/19/18 16:25

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			06/22/18 02:08	1
1,1-Dichloroethane	**1.5**	**J**	5.0	0.59	ug/L			06/22/18 02:08	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/22/18 02:08	1
cis-1,2-Dichloroethylene	**5.8**		5.0	0.57	ug/L			06/22/18 02:08	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/22/18 02:08	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/22/18 02:08	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/22/18 02:08	1
Vinyl chloride	**2.8**	**J**	5.0	0.75	ug/L			06/22/18 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*06/22/18 02:08*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*06/22/18 02:08*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*06/22/18 02:08*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/22/18 02:08*	*1*

Client Sample ID: RW-3 COMP

Lab Sample ID: 480-137684-15

Date Collected: 06/19/18 12:45

Matrix: Water

Date Received: 06/19/18 16:25

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			06/22/18 02:32	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/22/18 02:32	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/22/18 02:32	1
cis-1,2-Dichloroethylene	**27**		5.0	0.57	ug/L			06/22/18 02:32	1
Tetrachloroethylene	**0.80**	**J**	5.0	0.34	ug/L			06/22/18 02:32	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/22/18 02:32	1
Trichloroethylene	**0.64**	**J**	5.0	0.60	ug/L			06/22/18 02:32	1
Vinyl chloride	**3.9**	**J**	5.0	0.75	ug/L			06/22/18 02:32	1

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

TestAmerica Job ID: 480-137684-1

Client Sample ID: RW-3 COMP
Date Collected: 06/19/18 12:45
Date Received: 06/19/18 16:25

Lab Sample ID: 480-137684-15
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		68 - 130		06/22/18 02:32	1
4-Bromofluorobenzene (Surr)	98		76 - 123		06/22/18 02:32	1
Toluene-d8 (Surr)	102		77 - 120		06/22/18 02:32	1
Dibromofluoromethane (Surr)	105		75 - 123		06/22/18 02:32	1

Surrogate Summary

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

TestAmerica Job ID: 480-137684-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)	(75-123)
480-137684-13	RW-1 COMP	101	98	100	101
480-137684-14	RW-2 COMP	102	99	101	101
480-137684-15	RW-3 COMP	104	98	102	105
LCS 480-420922/6	Lab Control Sample	99	98	99	103
MB 480-420922/8	Method Blank	101	101	98	101

Surrogate Legend

DCA = 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 480-420922/8
Matrix: Water
Analysis Batch: 420922

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			06/21/18 19:27	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/21/18 19:27	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/21/18 19:27	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			06/21/18 19:27	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			06/21/18 19:27	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			06/21/18 19:27	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/21/18 19:27	1
Vinyl chloride	ND		5.0	0.75	ug/L			06/21/18 19:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*06/21/18 19:27*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*06/21/18 19:27*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*06/21/18 19:27*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/21/18 19:27*	*1*

Lab Sample ID: LCS 480-420922/6
Matrix: Water
Analysis Batch: 420922

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			20.0	19.1		ug/L		96	52 - 162		
1,1-Dichloroethane			20.0	19.8		ug/L		99	59 - 155		
1,1-Dichloroethylene			20.0	19.5		ug/L		97	1 - 234		
Tetrachloroethylene			20.0	19.4		ug/L		97	64 - 148		
trans-1,2-Dichloroethylene			20.0	20.4		ug/L		102	54 - 156		
Trichloroethylene			20.0	19.4		ug/L		97	71 - 157		
Vinyl chloride			20.0	19.8		ug/L		99	1 - 251		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*
Toluene-d8 (Surr)	*99*		*77 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

QC Association Summary

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

TestAmerica Job ID: 480-137684-1

GC/MS VOA

Analysis Batch: 420922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-137684-13	RW-1 COMP	Total/NA	Water	624	
480-137684-14	RW-2 COMP	Total/NA	Water	624	
480-137684-15	RW-3 COMP	Total/NA	Water	624	
MB 480-420922/8	Method Blank	Total/NA	Water	624	
LCS 480-420922/6	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: 480-137684-1

Client Sample ID: RW-1 COMP

Lab Sample ID: 480-137684-13

Date Collected: 06/19/18 12:45

Matrix: Water

Date Received: 06/19/18 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	420922	06/22/18 01:44	RLB	TAL BUF

Client Sample ID: RW-2 COMP

Lab Sample ID: 480-137684-14

Date Collected: 06/19/18 12:45

Matrix: Water

Date Received: 06/19/18 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	420922	06/22/18 02:08	RLB	TAL BUF

Client Sample ID: RW-3 COMP

Lab Sample ID: 480-137684-15

Date Collected: 06/19/18 12:45

Matrix: Water

Date Received: 06/19/18 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	420922	06/22/18 02:32	RLB	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: 480-137684-1

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 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-137684-1

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: 480-137684-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-137684-13	RW-1 COMP	Water	06/19/18 12:45	06/19/18 16:25
480-137684-14	RW-2 COMP	Water	06/19/18 12:45	06/19/18 16:25
480-137684-15	RW-3 COMP	Water	06/19/18 12:45	06/19/18 16:25

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

480-137684 COC

Client Information	Sampler: Martin Koerwecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-114587-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11700485			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Discharge Analysis	Project #: 48002806			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624_5ml - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 061818	6-18-18	1245	G	Water			3		To Be Composited AT LAB
RW-2 061818	6-18-18	12:45	G	Water			3		
RW-3 061818	6-18-18	12:45	G	Water			3		
RW-1 061818	6-18-18	14:45	G	W			3		
RW-2 061818	6-18-18	14:45	G	W			3		
RW-3 061818	6-18-18	14:45	G	W			3		
			~~G~~	~~MW~~			~~3~~ MK		
RW-1 061918	6-19-18	7:20	G	W			3		
RW-2 061918	6-19-18	7:20	G	W			3		
RW-3 061918	6-19-18	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 Koerwecke	6-19-18 / 15:50	OBG	Amanda Zo	6/19/18 15:50	OBG
Amanda Zo	6/19/18 16:25	OBG	[illegible]	6/19/18 16:25	TAB.
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: 3.1°

Ver: 08/04/2016

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN KENNEDY	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-114587-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 3
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11700485			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Discharge Analysis	Project #: 48002806			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624_5ml - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 061918	6-19-18	12:45	G	Water			3		
RW-2 061918	6-19-18	12:45	G	Water			3		To Be Composited by LABS
RW-3 061918	6-19-18	12:45	G	Water			3		

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Kennedy	6-19-18 / 15:50	OBG		6/19/18 15:50	OBG
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6/19/18 16:25	OBG		6/19/18 1625	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: #1 3.1°C

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-137684-1

Login Number: 137684

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Refer to job narrative for details
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	NA: Check done at department level as required

December 7, 2018

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, 2018)

FILE: 5540.70165

Dear Mr. Paradise:

This quarterly monitoring report for the period between September 1 and November 30, 2018 is provided for the groundwater recovery and discharge system (the "system") constructed at the Forest Glen Superfund Site in Niagara Falls, New York. The Goodyear Tire & Rubber Company (Goodyear) owns and operates the system, as agent for the Forest Glen Site Trust, under the Significant Industrial User (SIU) Permit No. 61 issued by the Niagara Falls Water Board (NFWB) on September 5, 2018.

The groundwater recovery system comprises the following:

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

During the quarter between September 1 and November 30, 2018, a total of 3,040,415 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 17 to September 18, 2018 from recovery wells RW-1, RW-2 and RW-3.

The four grab samples collected from the recovery wells were delivered to Test America, Inc. in Amherst, NY where they were composited and analyzed for volatile organic compounds (VOCs) including vinyl chloride, 1,1-dichloroethylene, 1,2-dichloroethylene (cis and trans), 1,1-dichloroethane, trichloroethylene, tetrachloroethylene and 1,1,1-trichloroethane using USEPA method 624. The results of the analyses are summarized in the 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.

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

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

OBG
www.obg.com

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 Cavotta

James M. Cavotta
Project Manager

I:\Goodyear.5540\70165.Forest-Glen-201\Corres\NFWB Quarterly Reports\November2018 quarterly report ltr.docx

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

NIAGARA FALLS WATER BOARD
WASTEWATER FACILITIES
ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. 61 QUARTER November 30, 2018

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 R. Lemm

Title: Senior Manager, Global Remediation

Date: November 6, 2018

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 / RW-2		RESULTS RW-3 / Combined		ANNUAL AVERAGE	ANNUAL AVERAGE
	ug/ℓ	ug/ℓ	ug/ℓ	lbs/day	ug/ℓ	lbs/day
DATE SAMPLED: → 9/18/18						
24-HOUR FLOW IN MGD *						0.035
BENZENE						
CARBON TETRACHLORIDE						
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE						
DICHLOROBROMOMETHANE						
CHLOROFORM						
1,1 – DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – DICHLOROETHYLENE	13	2.0 J	21	0.0037	18.22	0.0051
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE						
TETRACHLOROETHYLENE	5 U	5 U	5 U	0	0.066	0.00003
TOLUENE						
1,1,1 – TRICHLOROETHANE	0.74 J	5 U	5 U	0.0001	0.62	0.0002
1,1,2 – TRICHLOROETHANE						
TRICHLOROETHYLENE	5 U	5 U	5 U	0	0.85	0.0002
METHYLENE CHLORIDE						
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE	5.6	1.7 J	5.2	0.0013	4.80	0.0014
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: → 9/18/18						
24-HOUR FLOW IN MGD						0.035
DIMETHYLPHTHALATE						
BUTYL BENZYL PHTHALATE						
Di-N-BUTHY PHTHALATE						
Di-N-OCTYL PHTHALATE						
DIETHYL PHTHALATE						
NITROSODIPHENYLAMINE						
DICHLOROBENZENES						
DICHLOROTOLUENE						
ACENAPHTHENE						
FLUORANTHENE						
CHRYSENE						
NAPHTHALENE						
BENZO (a) ANTHRACENE						
PYRENE						
TRICHLOROBENZENE						
TRICHLOROTOLUENE						
HEXACHLOROBUTADIENE						
TETRACHLOROBENZENE						
HEXACHLOROCYCLOPENTADIENE						
HEXCHLOROBENZENE						
DICHLOROBENZOTRIFLUORIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 9/18/18						
24-HOUR FLOW IN MGD						0.035
PHENANTHRENE						
MONOCHLOROPHENOL						
DICHLOROPHENOL						
MONOCHLOROCRESOL						
TRICHLOROPHENOL						
PENTACHLOROPHENOL						
HEXACHLOROCYCLOHEXANES						
PCB's						
ENDOSULFAN I +						
ENDOSULFAN II +						
ENDOSULFAN SULFATE						
MIREX						
DECHLORANE PLUS						
HEPTACHLOR +						
HEPTACHLOR EPOXIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 9/18/18						
24-HOUR FLOW IN MGD *						0.035
1,2,4 – TRICHLOROBENZENE						
1,2 – DICHLOROETHANE						
1,1,1 – TRICHLOROETHANE	0.74 J	5 U	5 U	0.0001	0.62	0.0002
HEXACHLOROETHANE						
1,1 – DICHLOROETHANE	3.0 J	0.72 J	5 U	0.0004	1.67	0.0005
1,1,2 – TRICHLOROETHANE						
CHLOROETHANE						
1,2 – DICHLOROBENZENE						
1,3 – DICHLOROBENZENE						
1,4 – DICHLOROBENZENE						
1,1 DICHLOROETHYLENE	5 U	5 U	5 U	0	0	0
1,2 – TRANS-DICHLOROETHYLENE						
1,3 – DICHLOROPROPYLENE						
METHYL CHLORIDE						
NITROBENZENE						
2 – NITROPHENOL						
4 – NITROPHENOL						
4,6 DINITRO-O-CRESOL						
BIS [2 – ETHYHEXYL] PHTHALATE						
ANTHRACENE						
DIETHYL PHTHALATE						
FLUORENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 9/18/18						
24-HOUR FLOW IN MGD *						0.035
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE	5.6	1.7 J	5.2	0.0013	4.80	0.0014
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	0.85	0.0002
TOTAL CYANIDE						
TOTAL LEAD						
TOTAL ZINC						

PART I

ANALYTICAL RESULTS

SIU PERMIT NAME: The Goodyear Tire & Rubber Company

SIU PERMIT NO.: 61

SAMPLE LOCATION: Forest Glen Site

	RESULTS RW-1 ug/ℓ	/ RW-2 ug/ℓ	RESULTS RW-3 ug/ℓ	/ Combined lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
DATE SAMPLED: → 9/18/18						
24-HOUR FLOW IN MGD						0.035
TOTAL SUSPENDED SOLIDS						
SOLUABLE ORGANIC CARBON						
TOTAL PHOSPHOROUS						
TOTAL PHENOL						
OIL and GREASE						
CADMIUM						
CHROMIUM						
COPPER						
LEAD						
MERCURY						
NICKEL						
ZINC						
ARSENIC						
BERYLLIUM						
BARIUM						
TOTAL CYANIDE						
pH (STANDARD UNITS)						
RESIDUAL CHLORINE						
TOTAL SODIUM CHLORIDE						
TOTAL AMMONIA						
DIETHYLENE GLYCOL						

PART II

COMPLIANCE MONITORING

SIU NAME: The Goodyear Tire & Rubber Company

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 11,520 gallons		RW-2 volume 10,944 gallons		RW-3 volume 12,960 gallons	Total volume 35,424 gallons	
Analyte	RW-1 (9/18/18)	Contribution to loading to POTW	RW-2 (9/18/18)	Contribution to loading to POTW	RW-3 (9/18/18)	Contribution to loading to POTW	Total loading to POTW	
1,1,1-trichloroethane	0.74 J	0.00007 lbs/day	5 U	0 lbs/day	5 U	0 lbs/day	0.0001 lbs/day	0.2407 ug/l
1,1-dichloroethane	3.0 J	0.0003 lbs/day	0.72 J	0.0001 lbs/day	5 U	0 lbs/day	0.0004 lbs/day	1.1980 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	13	0.0012 lbs/day	2.0 J	0.0002 lbs/day	21	0.0023 lbs/day	0.0037 lbs/day	12.5285 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	5.6	0.0005 lbs/day	1.7 J	0.0002 lbs/day	5.2	0.0006 lbs/day	0.0013 lbs/day	4.2488 ug/l

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

	12/20/2017	3/14/2018	6/19/2018	9/18/2018	Average
Analyte	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-trichloroethane	0.7394	0.7741	0.7200	0.2407	0.62
1,1-dichloroethane	2.0260	1.6874	1.7874	1.1980	1.67
1,1-dichloroethylene	0	0	0	0	0
cis-1,2-dichloroethylene	20.7576	14.8506	24.7581	12.5285	18.22
tetrachloroethylene	0	0	0.2641	0	0.066
trans-1,2-dichloroethylene	0	0	0	0	0
trichloroethylene	0.3081	2.8932	0.2113	0	0.85
vinyl chloride	6.2817	2.3031	6.3563	4.2488	4.80

Analyte	lb/day	lb/day	lb/day	lb/day	lbs/day
1,1,1-trichloroethane	0.0002	0.0002	0.0002	0.0001	0.0002
1,1-dichloroethane	0.0006	0.0004	0.0005	0.0004	0.0005
1,1-dichloroethylene	0	0	0	0	0
cis-1,2-dichloroethylene	0.0061	0.0037	0.0069	0.0037	0.0051
tetrachloroethylene	0	0	0.0001	0	0.00003
trans-1,2-dichloroethylene	0	0	0	0	0
trichloroethylene	0	0.0007	0.0001	0	0.0002
vinyl chloride	0.0018	0.0006	0.0018	0.0013	0.0014

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: 480-142090-1
Client Project/Site: Forest Glen Discharge Analysis

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

Attn: Mr. David J Carnevale

Authorized for release by:
9/26/2018 12:53:38 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

Table of Contents

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: 480-142090-1

Job ID: 480-142090-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-142090-1

Receipt
The samples were received on 9/19/2018 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8º C.

GC/MS VOA
Method(s) 624.1: The following Volatile sample(s) was composited by the laboratory on 9/24/2018 as requested by the client: RW-1 LAB COMPOSITE (480-142090-1), RW-2 LAB COMPOSITE (480-142090-6) and RW-3 LAB COMPOSITE (480-142090-11). 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: 480-142090-1

Client Sample ID: RW-1 LAB COMPOSITE — Lab Sample ID: 480-142090-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.74	J	5.0	0.39	ug/L	1		624.1	Total/NA
1,1-Dichloroethane	3.0	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	13		5.0	0.57	ug/L	1		624.1	Total/NA
Vinyl chloride	5.6		5.0	0.75	ug/L	1		624.1	Total/NA

Client Sample ID: RW-2 LAB COMPOSITE — Lab Sample ID: 480-142090-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.72	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	2.0	J	5.0	0.57	ug/L	1		624.1	Total/NA
Vinyl chloride	1.7	J	5.0	0.75	ug/L	1		624.1	Total/NA

Client Sample ID: RW-3 LAB COMPOSITE — Lab Sample ID: 480-142090-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	21		5.0	0.57	ug/L	1		624.1	Total/NA
Vinyl chloride	5.2		5.0	0.75	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-142090-1

Date Collected: 09/18/18 11:20
Matrix: Water
Date Received: 09/19/18 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.74**	**J**	5.0	0.39	ug/L			09/24/18 12:41	1
1,1-Dichloroethane	**3.0**	**J**	5.0	0.59	ug/L			09/24/18 12:41	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/24/18 12:41	1
cis-1,2-Dichloroethylene	**13**		5.0	0.57	ug/L			09/24/18 12:41	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/24/18 12:41	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/24/18 12:41	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/24/18 12:41	1
Vinyl chloride	**5.6**		5.0	0.75	ug/L			09/24/18 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 130*		*09/24/18 12:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*09/24/18 12:41*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/24/18 12:41*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*09/24/18 12:41*	*1*

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-142090-6

Date Collected: 09/18/18 11:20
Matrix: Water
Date Received: 09/19/18 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/24/18 13:05	1
1,1-Dichloroethane	**0.72**	**J**	5.0	0.59	ug/L			09/24/18 13:05	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/24/18 13:05	1
cis-1,2-Dichloroethylene	**2.0**	**J**	5.0	0.57	ug/L			09/24/18 13:05	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/24/18 13:05	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/24/18 13:05	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/24/18 13:05	1
Vinyl chloride	**1.7**	**J**	5.0	0.75	ug/L			09/24/18 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*09/24/18 13:05*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*09/24/18 13:05*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/24/18 13:05*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*09/24/18 13:05*	*1*

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-142090-11

Date Collected: 09/18/18 11:20
Matrix: Water
Date Received: 09/19/18 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/24/18 13:29	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/24/18 13:29	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/24/18 13:29	1
cis-1,2-Dichloroethylene	**21**		5.0	0.57	ug/L			09/24/18 13:29	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/24/18 13:29	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/24/18 13:29	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/24/18 13:29	1
Vinyl chloride	**5.2**		5.0	0.75	ug/L			09/24/18 13:29	1

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

TestAmerica Job ID: 480-142090-1

Client Sample ID: RW-3 LAB COMPOSITE
Date Collected: 09/18/18 11:20
Date Received: 09/19/18 17:00

Lab Sample ID: 480-142090-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		68 - 130		09/24/18 13:29	1
4-Bromofluorobenzene (Surr)	102		76 - 123		09/24/18 13:29	1
Dibromofluoromethane (Surr)	104		75 - 123		09/24/18 13:29	1
Toluene-d8 (Surr)	97		77 - 120		09/24/18 13:29	1

Surrogate Summary

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

TestAmerica Job ID: 480-142090-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-142090-1	RW-1 LAB COMPOSITE	113	102	108	100
480-142090-6	RW-2 LAB COMPOSITE	109	102	106	98
480-142090-11	RW-3 LAB COMPOSITE	109	102	104	97
LCS 480-435771/5	Lab Control Sample	106	100	106	98
MB 480-435771/7	Method Blank	110	100	105	97

Surrogate Legend

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

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

Lab Sample ID: MB 480-435771/7
Matrix: Water
Analysis Batch: 435771

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			09/24/18 10:56	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/24/18 10:56	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/24/18 10:56	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			09/24/18 10:56	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/24/18 10:56	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/24/18 10:56	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/24/18 10:56	1
Vinyl chloride	ND		5.0	0.75	ug/L			09/24/18 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 130*		*09/24/18 10:56*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*09/24/18 10:56*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/24/18 10:56*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*09/24/18 10:56*	*1*

Lab Sample ID: LCS 480-435771/5
Matrix: Water
Analysis Batch: 435771

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			20.0	19.3		ug/L		96	52 - 162		
1,1-Dichloroethane			20.0	19.4		ug/L		97	59 - 155		
1,1-Dichloroethylene			20.0	17.0		ug/L		85	1 - 234		
Tetrachloroethylene			20.0	17.6		ug/L		88	64 - 148		
trans-1,2-Dichloroethylene			20.0	18.5		ug/L		93	54 - 156		
Trichloroethylene			20.0	18.5		ug/L		92	71 - 157		
Vinyl chloride			20.0	17.4		ug/L		87	1 - 251		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*98*		*77 - 120*

QC Association Summary

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

TestAmerica Job ID: 480-142090-1

GC/MS VOA

Analysis Batch: 435771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-142090-1	RW-1 LAB COMPOSITE	Total/NA	Water	624.1	
480-142090-6	RW-2 LAB COMPOSITE	Total/NA	Water	624.1	
480-142090-11	RW-3 LAB COMPOSITE	Total/NA	Water	624.1	
MB 480-435771/7	Method Blank	Total/NA	Water	624.1	
LCS 480-435771/5	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

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

TestAmerica Job ID: 480-142090-1

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-142090-1

Date Collected: 09/18/18 11:20

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	435771	09/24/18 12:41	S1V	TAL BUF

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-142090-6

Date Collected: 09/18/18 11:20

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	435771	09/24/18 13:05	S1V	TAL BUF

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-142090-11

Date Collected: 09/18/18 11:20

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	435771	09/24/18 13:29	S1V	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-142090-1

Laboratory: TestAmerica Buffalo

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

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

Method Summary

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

TestAmerica Job ID: 480-142090-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-142090-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-142090-1	RW-1 LAB COMPOSITE	Water	09/18/18 11:20	09/19/18 17:00
480-142090-6	RW-2 LAB COMPOSITE	Water	09/18/18 11:20	09/19/18 17:00
480-142090-11	RW-3 LAB COMPOSITE	Water	09/18/18 11:20	09/19/18 17:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN KOENNECKE	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-118262-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 2
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis 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#:	

Preservation Codes:
A - HCL M - Hexane
B - NaO
C - Zn A
D - Nitri
E - NaH
F - MeC
G - Amc
H - Asc ahydrate
I - Ice
J - DI W
K - EDT 480-142090 COC
L - EDA
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 091718	9-17-18	11:30	G	Water			3		
RW-2 091718	9-17-18	11:30	G	Water			3		To Be Composited By LABS
RW-3 091718	9-17-18	11:30	G	Water			3		
RW-1 091718	9-17-18	14:15	G	W			3		
RW-2 091718	9-17-18	14:15	G	W			3		
RW-3 091718	9-17-18	14:15	G	W			3		
RW-1 091818	9-18-18	8:40	G	W			3		
RW-2 091818	9-18-18	8:40	G	W			3		
RW-3 091818	9-18-18	8:40	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
[signature]	9-17-18 17:00	OBG	[signature]	9/17/18 1700	TAS
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: 4.8 #1

Ver: 08/04/2016

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koennecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-118262-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-724-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:

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

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 091818	9-18-18	11:20	G	Water			3		
RW-2 091818	9-18-18	11:20	G	Water			3		TO BE COMPOSITED
RW-3 091818	9-18-18	11:20	G	Water			3		BY LABS

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9-19-18 / 17:00	OBG		9/19/18 1700	
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: 4.8 #1

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-142090-1

Login Number: 142090

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.	N/A	

Appendix B

Significant Industrial User (SIU) Discharge Permit 61

NIAGARA FALLS WATER BOARD

SIGNIFICANT INDUSTRIAL USER WASTEWATER DISCHARGE PERMIT

PERMIT NO. 61

In accordance with all terms and conditions of the
Niagara Falls Water Board Wastewater Regulations Part 1960
and also with all applicable provisions of Federal and State Law or regulation:

Permission is Hereby Granted To:

**THE GOODYEAR TIRE & RUBBER COMPANY,
AS AGENT FOR THE FOREST GLEN SITE TRUST**

Located at: **Edgewood Drive – Niagara Falls, NY 14304**

Classified by SIC Number: **4953**

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

Effective this 1st day of October 2018
To expire this 30th day of September 2023

Signed this 5th day of September, 2018

Joel R. Paradise

For
Rolfe S. Porter
Executive Director of the Niagara Falls Water Board

DISCHARGE IDENTIFICATION

OUTFALL	DESCRIPTION	LOCATION	RECEIVING
MS #1	**#001** Manholes MH-3B & MH-3C flow to the 8" site sanitary line then on to the 12" NFWB Sanitary line	Forest Glen Subdivision Manhole MH – 3B receives ground water via RW1 and RW2. Manhole MH-3C receives ground water via RW3.	Ground Water

WASTEWATER DISCHARGE PERMIT REQUIREMENTS FOR:

A. Discharges to the Niagara Falls Water Board (NFWB) Sewer

		ACTION REQUIRED	REQUIRED DATE OF SUBMISSION
1.	Identification of all discharges to the NFWB Sewer System on a current plant sewer map certified by a New York State licensed professional engineer.	NONE	SUBMISSION RECEIVED August 15th, 2018
2.	Identification of each contributing waste stream to each discharge to the NFWB Sewer System clearly marked on, or referenced to, a current plant sewer map certified by a New York State licensed professional engineer.	NONE	SUBMISSION RECEIVED August 15th, 2018
3.	Elimination of all uncontaminated discharges to the NFWB Sewer System. All uncontaminated flows should be clearly identified on a current sewer map certified by a New York State licensed professional engineer.	NONE	SUBMISSION RECEIVED August 15th, 2018
4.	Establishment of a control manhole that is continuously and immediately accessible for each discharge to the NFWB Sewer System.	NONE	SUBMISSION RECEIVED August 15th, 2018

B. Wastewater Discharge Management Practices

1.	Identification of a responsible person(s)	NONE

C. Slug Control Plan**

Pursuant to Section 40 CFR 403.12 (v) of the Federal Pretreatment Standards the Niagara Falls Water Board will evaluate the permittee, a minimum of once every two years for the need for a "Slug Control Plan." If a plan is required by the Niagara Falls Water Board, then the plan will contain, at a minimum, the following elements:

a) Description of discharge practices, including non-routine batch discharges;
b) Description of stored chemicals;
c) Procedures for immediately notifying the POTW of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5 (b), with procedures for follow-up written notification within five days;
d) If necessary, procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents), and/or measures and equipment necessary for emergency response.

**This section applies to all pollutants limited by the Niagara Falls Water Board SPDES Permit and all prohibited wastewater discharges (See Section 1960.5 of the Niagara Falls Water Board Wastewater Regulations).

D. General Wastewater Discharge Permit Conditions

1. Flow monitoring should be performed concurrently with any Wastewater Discharge Permit sampling and should be reported at the same time as analytical results. If it is not feasible to perform flow monitoring, an estimate of flow (method of estimated flow preapproved by the Niagara Falls Water Board) should be submitted with the analytical results.

2. All sampling for billing and pretreatment compliance purposes will be coordinated through the Niagara Falls Water Board Industrial Monitoring Coordinator.

3. All analysis must be performed by a State certified laboratory using analytical methods promulgated and consistent with 40 CFR 136 and amendments thereto. The permittee will request their contract laboratory to report both Practical Quantitation Limit (PQL) and Method Detection Limit (MDL). The PQL and MDL are defined in the NYSDEC Technical Guidance Series 1.3.7.

   The permittee should report results that are less than the MDL or PQL on the NFWB Self Monitoring Report, as non-detect (ND), by placing a less than sign (<) followed by the analytical result. Every effort should be made to attain results down to the MDL. If this is not possible; then results less than PQL but greater than MDL must also be additionally flagged with the qualifier "J" on the Self-Monitoring Report. For example, a result less than 5 PQL would be reported <5 (J). In either case the calculated load in lbs per day would be zero.

   Monitoring results which are lower than the PQL must be reported but will not be used to determine compliance with the permit limit.

4. An estimate of relative production levels for wastewater contributing processes at the time of any pretreatment compliance sampling will be submitted upon request of the Director of Niagara Falls Water Board - Wastewater Facilities.

5. All samples will be handled in accordance with EPA approved methods. Chain of Custody records will be submitted with all sampling results.

6. All conditions, standards and numeric limitations of Niagara Falls Water Board Wastewater Regulations are hereby incorporated into this permit by reference. These conditions, standards and numeric limitations must be complied with. Failure to comply with any part of said regulations constitutes a violation and is subject to enforcement actions(s) described in Section 1960.9 of said regulations, and in the Niagara Falls Water Board Pretreatment Administrative Procedure Number Five (5) - "Enforcement Response Guide." Violators are subject to all applicable *Civil* and *Criminal* penalties. In the event of a violation, including slug discharges or spills, the Niagara Falls Water Board must be notified immediately by phone and confirmed by letter within five (5) working days.

   Any person adjudicated of violating any provision in the Niagara Falls Water Board Wastewater Regulations shall be assessed a fine in the amount of up to $10,000. This amount is available for each violation, and each day of a violation is a separate incident for which penalties may be sought. (6. Cont.)

D. General Wastewater Discharge Permit Conditions (continued)

6. *(cont.)* The person violating any of the provisions of the Niagara Falls Water Board Wastewater Regulations will be liable for any expense, loss, or damage occasioned by reason of such violation. The expense, loss or damage will be taken to be to the extent determined by the Director.

   In addition, any person who knowingly makes any false statements; representation or certification in any application, record, report, plan or other document filed or required to be maintained pursuant to the Niagara Falls Water Board Wastewater Regulations or Wastewater Discharge Permit, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under the Niagara Falls Water Board Wastewater Regulations will, upon conviction be punished by a fine up to $5,000. Furthermore, the Niagara Falls Water Board may recover reasonable attorney's fees, court costs, court reporting fees, and other expenses of litigation by appropriate suit at law against the person found to have violated applicable laws, orders, rules and permits required by the Niagara Falls Water Board Wastewater Regulations.

7. In accordance with Federal Regulation CFR 40, Part 403.12(g), any exceedance of a numeric limitation noted by the SIU must be re-sampled, analyzed and resubmitted to the Niagara Falls Water Board Wastewater - Facilities within 30 days.

   Specifically, if any limit that is *listed* in Section F of this permit is exceeded, then the permittee will undertake a short term monitoring program for that pollutant. Samples will be collected identical to those required for routine monitoring purposes and will be collected on each of at least *two (2)* operating days and analyzed. Results will be reported in both concentration and mass, and will be submitted within *30* days of becoming aware of the exceedance.

8. Sampling frequency for any permitted compounds may be increased beyond the requirements set forth in Section F and G of this permit. If the permittee monitors (sample and analysis) more frequent than required under this permit, **all** results of this monitoring must be reported.

9. As noted in Section 1960.5g of the Niagara Falls Water Board Wastewater Regulations, "Personnel as designated by the Director will be permitted at any time for reasonable cause to enter upon all properties served by the Niagara Falls Water Board - Wastewater Facilities for the purpose of, and to carry out, inspection of the premises, observation, measurement, sampling and testing, in accordance with provisions of the Regulations."

10. As noted in Section 1960.5c of the Niagara Falls Water Board Wastewater Regulations, significant changes in discharge characteristics or volume must be reported immediately to the Niagara Falls Water Board - Wastewater Facilities.

11. As noted in Section 1960.6b of the Niagara Falls Water Board Wastewater Regulations, samples required to be collected via a 24-hour composite sampler must be retained refrigerated for an additional 24 hour plus unrefrigerated an additional 48 hours (total 72 hours). (D. continued)

D. General Wastewater Discharge Permit Conditions (continued)

12. As noted in Section 1960.5d of the Niagara Falls Water Board Wastewater Regulations, all "SIU's will keep on file for a minimum of three (3) years, all records, flow charts, laboratory calculations or any other pertinent data on their discharge to the Niagara Falls Water Board - Wastewater Facilities."

13. As noted in Section 1960.6g of the Niagara Falls Water Board Wastewater Regulations, "Permits are issued to a specific user for a specific monitoring station. A permit will not be reassigned or transferred without the approval of the Director which approval will not be unreasonably withheld. Any succeeding owner or user to which a permit has been transferred and approved will also comply with all the terms and conditions of the existing permit."

14. The Annual Average Limitation is equivalent to the specific SIU allocation, and will be defined as the permissible long term average discharge of a particular pollutant. These limitations are listed in Section F of this permit. The computation of the Annual Average will be as follows; for each compound listed in Section G of this permit, the Annual Average will be the average of the present monitoring quarter and three previous quarters' data.

15. The Daily Maximum Limitation will be defined as the maximum allowable discharge on anyone day. The Daily Maximum Limitation will allow for periodic short term discharge fluctuations. These specific limitations are listed in Section F of this permit.

16. Enforcement of the Annual Average Limitation will be based on the reported average of the last four quarters data vs. the Annual Average Limited listed in Section F of this permit. Enforcement of the Daily Maximum Limitation will be based on individual analysis results vs. the Daily Maximum Limit listed in Section F of this permit. These results may be obtained from self monitoring (Section G), Niagara Falls Water Board Verification, incident investigation or billing samples.

17. The Niagara Falls Water Board Administrative Procedure Number 6 "Procedure for Determination and Use of Local Limits" lists all pollutants noted in the Niagara Falls Water Board - Wastewater Facilities SPDES Permit. The limits defined in the procedure are values which are based on the quantity of substances discharged which can be easily related to the Treatment Plant's removal capacity.

    The pollutants listed in this procedure, which are not specifically listed in Section F and G of this permit may be present in the permittee's wastewater discharge, but at levels which do not require specific permit limitations. Consequently, if any of the limits listed in this procedure, for pollutants not identified in Section F and G of this permit, are exceeded then the permittee will undertake a short-term, high intensity monitoring program for that pollutant. Samples identical to those required for routine monitoring purposes will be collected on each of at least three operating days and analyzed. Results will be expressed in terms of both concentration and mass, and will be submitted no later than the end of the third month following the month when the limit was first exceeded.
    If levels higher than the limit are confirmed, the permit may be reopened by the Niagara Falls Water Board for consideration of revised permit limits.

E. Specific Wastewater Discharge Permit Conditions

1. Billing Agreement:

a) The determination of the quantity of flow will be based on effluent meter readings obtained from MS #1. The weekly readings and total average flow will be recorded on a monthly report. This report will be sent to the NFWB due 15 days after the monitoring month.

b) "Substances of Concern" charges will be based on pollutant analysis results contained in the permittee's Quarterly Self-Monitoring Report and other appropriate data collected by the permittee.

2. Self Monitoring:

The permittee will collect and analyze samples for pollutant analysis and submit the results as directed in Sections F and G of this permit.

3. Regulator 6C:

The NFWB maintains several flow regulators throughout the collection system. The purpose of the regulators is to divert excess flow during peak storm events away from the treatment plant. The permittee's discharge passes through regulator 6C, which is one of these devices. Therefore, during storm events the potential for this wastewater to bypass the treatment plant exists. The permittee is required to conduct the following;

a) Maintain an appropriate alarm system to indicate when regulator 6C is overflowing. Such a system will trigger all discharge from the site to cease until such time overflow at regulator 6C ceases.

b) A log of all such instances will be maintained. The log will be submitted with the Quarterly Self-Monitoring Report.

c) A check of the alarm system will be conducted quarterly and recorded on the log noted in item E3b.

F. Discharge Limitations & Monitoring Requirements

During the Period beginning the effective date of this Permit and lasting until the expiration date, discharge from the permitted facility outfall(s) will be limited and monitored by the permittee as specified below.

OUTFALL NUMBER/ EFFLUENT PARAMETER	DISCHARGE LIMITATIONS		UNITS	MINIMUM MONITORING REQUIREMENTS	
	ANNUAL AVERAGE	DAILY MAXIMUM		MEASUREMENT FREQUENCY	SAMPLE TYPE
MS#1 - Flow	0.04	0.06	MGD	**Continuous	N/A
MS#1 – Vinyl Chloride	0.02	0.03	lbs/d	1/Qrt	2
MS#1 – 1,1 Dichloroethylene	0.005	0.01	lbs/d	1/Qrt	2
MS#1 - *1, 2 Dichloroethylene	0.05	0.1	lbs/d	1/Qrt	2
MS#1 – 1,1 Dichloroethane	0.005	0.01	lbs/d	1/Qrt	2
MS#1 – Trichloroethylene	0.005	0.01	lbs/d	1/Qrt	2
MS#1 – Tetrachloroethylene	0.005	0.01	lbs/d	1/Qrt	2
MS#1 – 1,1,1 Trichloroethane	0.005	0.01	lbs/d	1/Qrt	2

*total cis and trans

** The flow meter must continuously operate, however the NFWB will allow to have the integrator readings recorded once (1) per week instead of daily. This data must be submitted in the monthly flow report.

SAMPLE TYPE FOOTNOTES

(1) Each sample will consist of four (4) grabs collected spaced throughout the **batch** discharge, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(2) Each sample will consist of four (4) grabs collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. The four (4) grabs will be **composited in the laboratory** and analyzed as one sample.

(3) Each sample will consist of a 24-hour, **flow proportioned** composite sample collected from the monitoring point.

(4) Flow will be monitored continuously with the use of a water meter or another acceptable flow metering device.

(5) Each sample will consist of a 24-hour, **time proportioned** composite sample collected from the monitoring point.

(6) Reserved

(7) Same as (3), however, five (5) samples will be collected per quarter from the monitoring point and analyzed by and at the Niagara Falls Water Board's expense.

(8) Four (4) grab samples will be collected spaced over the 24-hour period, such that they are representative of the effluent being discharged pursuant to 40CFR 403.12.b5iii. Each grab will be **analyzed and reported separately**.

(9) A grab sample is defined as an aliquot collected over a period of not more than 15 minutes.

G. Discharge Monitoring Reporting Requirements

During the period beginning the effective date of this permit and lasting until its expiration date, discharge monitoring results will be summarized and reported by the permittee; Monthly - 14 days after monitoring period, **Quarterly - by the last day of the monitoring period = February 28, May 31, August 31, November 30.** Semiannual reports will be submitted on the last day of the monitoring period = February 28, August 31. The annual average for each parameter listed in Section F, will be computed and reported quarterly. The individual sample analysis for present quarter will also be reported quarterly unless directed otherwise in this permit.

OUTFALL NO	PARAMETER	REPORTING FREQUENCY
MS#1	Flow	Monthly
MS#1	Regulator 6c data, Inspections	Quarterly
MS#1	Vinyl Chloride	Quarterly
MS#1	1,1 – Dichloroethylene	Quarterly
MS#1	1,2 – Dichloroethylene	Quarterly
MS#1	1,1 - Dichloroethane	Quarterly
MS#1	Trichloroethylene	Quarterly
MS#1	Tetrachloroethylene	Quarterly
MS#1	1,1,1 – Trichloroethane	Quarterly

Quarterly reports submitted by SIU #61 are due by the last day of the monitoring period as follows: **1st Qt.**- February 28, **2nd Qt.** - May 31, **3rd Qt.** - August 31 and **4th Qt.** - November 30.

H. Comments/Revisions

Appendix C

Groundwater Monitoring Laboratory Reports

March 2018

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: 480-132627-1
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:
3/27/2018 12:11:54 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

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: 480-132627-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-132627-1

Comments
No additional comments.

Receipt
The samples were received on 3/14/2018 5:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.8º C.

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

Detection Summary

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

TestAmerica Job ID: 480-132627-1

Client Sample ID: MW 1S 031318 — Lab Sample ID: 480-132627-1

No Detections.

Client Sample ID: MW 1D 031318 — Lab Sample ID: 480-132627-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.33	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW 8D 031418 — Lab Sample ID: 480-132627-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.48	J	1.0	0.38	ug/L	1		8260C	Total/NA
Vinyl chloride	0.99	J	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW 8S 031418 — Lab Sample ID: 480-132627-4

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	0.65	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.6		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW 8DD 031418 — Lab Sample ID: 480-132627-5

No Detections.

Client Sample ID: MW 7DD 031418 — Lab Sample ID: 480-132627-6

No Detections.

Client Sample ID: MW 7D 031418 — Lab Sample ID: 480-132627-7

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 7S 031418 — Lab Sample ID: 480-132627-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.50	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: X-1 031418 — Lab Sample ID: 480-132627-9

No Detections.

Client Sample ID: MW 6D 031418 — Lab Sample ID: 480-132627-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.58	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.20	J	1.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	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: 480-132627-1

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-132627-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.6	J	10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW 1S 031318
Date Collected: 03/13/18 16:38
Date Received: 03/14/18 17:20

Lab Sample ID: 480-132627-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/19/18 16:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 16:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 16:11	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 16:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/18 16:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 16:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/19/18 16:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 16:11	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 16:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 16:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 16:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 16:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 16:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 16:11	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 16:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 16:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 16:11	1
Acetone	ND		10	3.0	ug/L			03/19/18 16:11	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 16:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 16:11	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 16:11	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 16:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 16:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 16:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 16:11	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 16:11	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 16:11	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 16:11	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/18 16:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/18 16:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 16:11	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 16:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 16:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 16:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 16:11	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 16:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/19/18 16:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 16:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 16:11	1
Styrene	ND		1.0	0.73	ug/L			03/19/18 16:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/18 16:11	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 16:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 16:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 16:11	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/18 16:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 16:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/18 16:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 16:11	1

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

TestAmerica Job ID: 480-132627-1

Client Sample ID: MW 1S 031318

Lab Sample ID: 480-132627-1

Date Collected: 03/13/18 16:38
Matrix: Water
Date Received: 03/14/18 17:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*03/19/18 16:11*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/19/18 16:11*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*03/19/18 16:11*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*03/19/18 16:11*	*1*

Client Sample ID: MW 1D 031318

Lab Sample ID: 480-132627-2

Date Collected: 03/13/18 16:42
Matrix: Water
Date Received: 03/14/18 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			03/19/18 16:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 16:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 16:38	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 16:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/18 16:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 16:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/19/18 16:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 16:38	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 16:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 16:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 16:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 16:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 16:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 16:38	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 16:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 16:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 16:38	1
Acetone	ND		10	3.0	ug/L			03/19/18 16:38	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 16:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 16:38	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 16:38	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 16:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 16:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 16:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 16:38	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 16:38	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 16:38	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 16:38	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/18 16:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/18 16:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 16:38	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 16:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 16:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 16:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 16:38	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 16:38	1
Methyl tert-butyl ether	**0.33**	**J**	1.0	0.16	ug/L			03/19/18 16:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 16:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 16:38	1

Client Sample ID: MW 1D 031318

Lab Sample ID: 480-132627-2

Date Collected: 03/13/18 16:42

Matrix: Water

Date Received: 03/14/18 17:20

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			03/19/18 16:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/18 16:38	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 16:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 16:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 16:38	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/18 16:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 16:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/18 16:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/19/18 16:38*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/19/18 16:38*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*03/19/18 16:38*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*03/19/18 16:38*	*1*

Client Sample ID: MW 8D 031418

Lab Sample ID: 480-132627-3

Date Collected: 03/14/18 11:08

Matrix: Water

Date Received: 03/14/18 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			03/19/18 17:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 17:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 17:06	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 17:06	1
1,1-Dichloroethane	**0.48**	**J**	1.0	0.38	ug/L			03/19/18 17:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 17:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/19/18 17:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 17:06	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 17:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 17:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 17:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 17:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 17:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 17:06	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 17:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 17:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 17:06	1
Acetone	ND		10	3.0	ug/L			03/19/18 17:06	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 17:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 17:06	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 17:06	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 17:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 17:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 17:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 17:06	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 17:06	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 17:06	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 17:06	1

Client Sample ID: MW 8D 031418

Lab Sample ID: 480-132627-3

Date Collected: 03/14/18 11:08

Matrix: Water

Date Received: 03/14/18 17:20

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			03/19/18 17:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/18 17:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 17:06	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 17:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 17:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 17:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 17:06	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 17:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/19/18 17:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 17:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 17:06	1
Styrene	ND		1.0	0.73	ug/L			03/19/18 17:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/18 17:06	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 17:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 17:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 17:06	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/18 17:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 17:06	1
Vinyl chloride	**0.99**	**J**	1.0	0.90	ug/L			03/19/18 17:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*03/19/18 17:06*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/19/18 17:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/19/18 17:06*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*03/19/18 17:06*	*1*

Client Sample ID: MW 8S 031418

Lab Sample ID: 480-132627-4

Date Collected: 03/14/18 11:15

Matrix: Water

Date Received: 03/14/18 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			03/19/18 17:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 17:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 17:33	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 17:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/18 17:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 17:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/19/18 17:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 17:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 17:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 17:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 17:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 17:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 17:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 17:33	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 17:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 17:33	1

Client Sample ID: MW 8S 031418

Lab Sample ID: 480-132627-4

Date Collected: 03/14/18 11:15

Matrix: Water

Date Received: 03/14/18 17:20

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			03/19/18 17:33	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 17:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 17:33	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 17:33	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 17:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 17:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 17:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 17:33	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 17:33	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 17:33	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 17:33	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/18 17:33	1
cis-1,2-Dichloroethene	**2.1**		1.0	0.81	ug/L			03/19/18 17:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 17:33	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 17:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 17:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 17:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 17:33	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 17:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/19/18 17:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 17:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 17:33	1
Styrene	ND		1.0	0.73	ug/L			03/19/18 17:33	1
Tetrachloroethene	**0.65**	**J**	1.0	0.36	ug/L			03/19/18 17:33	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 17:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 17:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 17:33	1
Trichloroethene	**2.6**		1.0	0.46	ug/L			03/19/18 17:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 17:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/18 17:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/19/18 17:33*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/19/18 17:33*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*03/19/18 17:33*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/19/18 17:33*	*1*

Client Sample ID: MW 8DD 031418

Lab Sample ID: 480-132627-5

Date Collected: 03/14/18 12:50

Matrix: Water

Date Received: 03/14/18 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			03/19/18 18:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 18:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 18:01	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 18:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/18 18:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 18:01	1

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

TestAmerica Job ID: 480-132627-1

Client Sample ID: MW 8DD 031418
Date Collected: 03/14/18 12:50
Date Received: 03/14/18 17:20

Lab Sample ID: 480-132627-5
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			03/19/18 18:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 18:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 18:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 18:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 18:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 18:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 18:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 18:01	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 18:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 18:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 18:01	1
Acetone	ND		10	3.0	ug/L			03/19/18 18:01	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 18:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 18:01	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 18:01	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 18:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 18:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 18:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 18:01	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 18:01	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 18:01	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 18:01	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/18 18:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/18 18:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 18:01	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 18:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 18:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 18:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 18:01	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 18:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/19/18 18:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 18:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 18:01	1
Styrene	ND		1.0	0.73	ug/L			03/19/18 18:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/18 18:01	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 18:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 18:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 18:01	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/18 18:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 18:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/18 18:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*03/19/18 18:01*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*03/19/18 18:01*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*03/19/18 18:01*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*03/19/18 18:01*	*1*

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

TestAmerica Job ID: 480-132627-1

Client Sample ID: MW 7DD 031418
Date Collected: 03/14/18 14:00
Date Received: 03/14/18 17:20

Lab Sample ID: 480-132627-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/19/18 18:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 18:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 18:28	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 18:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/18 18:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 18:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/19/18 18:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 18:28	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 18:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 18:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 18:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 18:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 18:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 18:28	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 18:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 18:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 18:28	1
Acetone	ND		10	3.0	ug/L			03/19/18 18:28	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 18:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 18:28	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 18:28	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 18:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 18:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 18:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 18:28	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 18:28	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 18:28	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 18:28	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/18 18:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/18 18:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 18:28	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 18:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 18:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 18:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 18:28	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 18:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/19/18 18:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 18:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 18:28	1
Styrene	ND		1.0	0.73	ug/L			03/19/18 18:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/18 18:28	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 18:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 18:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 18:28	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/18 18:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 18:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/18 18:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 18:28	1

Client Sample ID: MW 7DD 031418 — **Lab Sample ID: 480-132627-6**
Date Collected: 03/14/18 14:00 — **Matrix: Water**
Date Received: 03/14/18 17:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		03/19/18 18:28	1
Toluene-d8 (Surr)	106		80 - 120		03/19/18 18:28	1
4-Bromofluorobenzene (Surr)	103		73 - 120		03/19/18 18:28	1
Dibromofluoromethane (Surr)	96		75 - 123		03/19/18 18:28	1

Client Sample ID: MW 7D 031418 — **Lab Sample ID: 480-132627-7**
Date Collected: 03/14/18 14:02 — **Matrix: Water**
Date Received: 03/14/18 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			03/19/18 18:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 18:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 18:55	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 18:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/18 18:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 18:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/19/18 18:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 18:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 18:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 18:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 18:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 18:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 18:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 18:55	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 18:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 18:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 18:55	1
Acetone	ND		10	3.0	ug/L			03/19/18 18:55	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 18:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 18:55	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 18:55	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 18:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 18:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 18:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 18:55	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 18:55	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 18:55	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 18:55	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/18 18:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/18 18:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 18:55	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 18:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 18:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 18:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 18:55	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 18:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/19/18 18:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 18:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 18:55	1

Client Sample ID: MW 7D 031418

Lab Sample ID: 480-132627-7

Date Collected: 03/14/18 14:02

Matrix: Water

Date Received: 03/14/18 17:20

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			03/19/18 18:55	1
Tetrachloroethene	**0.36**	**J**	1.0	0.36	ug/L			03/19/18 18:55	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 18:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 18:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 18:55	1
Trichloroethene	**1.1**		1.0	0.46	ug/L			03/19/18 18:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 18:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/18 18:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*03/19/18 18:55*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*03/19/18 18:55*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*03/19/18 18:55*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*03/19/18 18:55*	*1*

Client Sample ID: MW 7S 031418

Lab Sample ID: 480-132627-8

Date Collected: 03/14/18 15:35

Matrix: Water

Date Received: 03/14/18 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			03/19/18 19:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 19:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 19:23	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 19:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/18 19:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 19:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/19/18 19:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 19:23	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 19:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 19:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 19:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 19:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 19:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 19:23	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 19:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 19:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 19:23	1
Acetone	ND		10	3.0	ug/L			03/19/18 19:23	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 19:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 19:23	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 19:23	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 19:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 19:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 19:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 19:23	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 19:23	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 19:23	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 19:23	1

Client Sample ID: MW 7S 031418

Lab Sample ID: 480-132627-8

Date Collected: 03/14/18 15:35

Matrix: Water

Date Received: 03/14/18 17:20

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			03/19/18 19:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/18 19:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 19:23	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 19:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 19:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 19:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 19:23	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 19:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/19/18 19:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 19:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 19:23	1
Styrene	ND		1.0	0.73	ug/L			03/19/18 19:23	1
Tetrachloroethene	**0.50**	**J**	1.0	0.36	ug/L			03/19/18 19:23	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 19:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 19:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 19:23	1
Trichloroethene	**1.4**		1.0	0.46	ug/L			03/19/18 19:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 19:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/18 19:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*03/19/18 19:23*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/19/18 19:23*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*03/19/18 19:23*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*03/19/18 19:23*	*1*

Client Sample ID: X-1 031418

Lab Sample ID: 480-132627-9

Date Collected: 03/14/18 00:00

Matrix: Water

Date Received: 03/14/18 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			03/19/18 19:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 19:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 19:50	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 19:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/18 19:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 19:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/19/18 19:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 19:50	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 19:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 19:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 19:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 19:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 19:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 19:50	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 19:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 19:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 19:50	1

Client Sample ID: X-1 031418

Lab Sample ID: 480-132627-9

Date Collected: 03/14/18 00:00

Matrix: Water

Date Received: 03/14/18 17:20

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			03/19/18 19:50	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 19:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 19:50	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 19:50	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 19:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 19:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 19:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 19:50	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 19:50	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 19:50	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 19:50	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/18 19:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/18 19:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 19:50	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 19:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 19:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 19:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 19:50	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 19:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/19/18 19:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 19:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 19:50	1
Styrene	ND		1.0	0.73	ug/L			03/19/18 19:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/18 19:50	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 19:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 19:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 19:50	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/18 19:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 19:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/18 19:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*03/19/18 19:50*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/19/18 19:50*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/19/18 19:50*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*03/19/18 19:50*	*1*

Client Sample ID: MW 6D 031418

Lab Sample ID: 480-132627-10

Date Collected: 03/14/18 15:40

Matrix: Water

Date Received: 03/14/18 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			03/19/18 20:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 20:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 20:18	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 20:18	1
1,1-Dichloroethane	**0.58**	**J**	1.0	0.38	ug/L			03/19/18 20:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 20:18	1

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

TestAmerica Job ID: 480-132627-1

Client Sample ID: MW 6D 031418
Date Collected: 03/14/18 15:40
Date Received: 03/14/18 17:20

Lab Sample ID: 480-132627-10
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			03/19/18 20:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 20:18	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 20:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 20:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 20:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 20:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 20:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 20:18	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 20:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 20:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 20:18	1
Acetone	ND		10	3.0	ug/L			03/19/18 20:18	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 20:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 20:18	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 20:18	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 20:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 20:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 20:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 20:18	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 20:18	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 20:18	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 20:18	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/18 20:18	1
cis-1,2-Dichloroethene	**1.0**		1.0	0.81	ug/L			03/19/18 20:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 20:18	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 20:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 20:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 20:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 20:18	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 20:18	1
Methyl tert-butyl ether	**0.20**	**J**	1.0	0.16	ug/L			03/19/18 20:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 20:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 20:18	1
Styrene	ND		1.0	0.73	ug/L			03/19/18 20:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/18 20:18	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 20:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 20:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 20:18	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/18 20:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 20:18	1
Vinyl chloride	**1.1**		1.0	0.90	ug/L			03/19/18 20:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*03/19/18 20:18*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/19/18 20:18*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/19/18 20:18*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*03/19/18 20:18*	*1*

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

TestAmerica Job ID: 480-132627-1

Client Sample ID: QC TRIP BLANK
Date Collected: 03/14/18 00:00
Date Received: 03/14/18 17:20

Lab Sample ID: 480-132627-11
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			03/19/18 20:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 20:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 20:45	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 20:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/18 20:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 20:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/19/18 20:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 20:45	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 20:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 20:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 20:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 20:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 20:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 20:45	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 20:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 20:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 20:45	1
Acetone	**3.6**	**J**	10	3.0	ug/L			03/19/18 20:45	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 20:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 20:45	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 20:45	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 20:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 20:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 20:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 20:45	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 20:45	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 20:45	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 20:45	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/18 20:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/18 20:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 20:45	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 20:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 20:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 20:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 20:45	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 20:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/19/18 20:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 20:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 20:45	1
Styrene	ND		1.0	0.73	ug/L			03/19/18 20:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/18 20:45	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 20:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 20:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 20:45	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/18 20:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 20:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/18 20:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 20:45	1

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

TestAmerica Job ID: 480-132627-1

Client Sample ID: QC TRIP BLANK
Date Collected: 03/14/18 00:00
Date Received: 03/14/18 17:20

Lab Sample ID: 480-132627-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		03/19/18 20:45	1
Toluene-d8 (Surr)	107		80 - 120		03/19/18 20:45	1
4-Bromofluorobenzene (Surr)	104		73 - 120		03/19/18 20:45	1
Dibromofluoromethane (Surr)	96		75 - 123		03/19/18 20:45	1

Surrogate Summary

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

TestAmerica Job ID: 480-132627-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-132627-1	MW 1S 031318	94	106	104	92
480-132627-2	MW 1D 031318	93	106	105	96
480-132627-3	MW 8D 031418	97	106	101	96
480-132627-4	MW 8S 031418	93	105	104	94
480-132627-5	MW 8DD 031418	97	108	106	97
480-132627-6	MW 7DD 031418	96	106	103	96
480-132627-7	MW 7D 031418	95	108	106	97
480-132627-8	MW 7S 031418	96	106	104	99
480-132627-9	X-1 031418	95	105	102	96
480-132627-10	MW 6D 031418	94	106	103	96
480-132627-10 MS	MW 6D 031418	91	106	105	97
480-132627-10 MSD	MW 6D 031418	93	109	108	97
480-132627-11	QC TRIP BLANK	93	107	104	96
LCS 480-404555/6	Lab Control Sample	95	105	104	96
MB 480-404555/8	Method Blank	96	106	103	97

Surrogate Legend

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

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

Lab Sample ID: MB 480-404555/8
Matrix: Water
Analysis Batch: 404555

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/19/18 13:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/18 13:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/18 13:44	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			03/19/18 13:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/18 13:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/18 13:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/19/18 13:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/19/18 13:44	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			03/19/18 13:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/19/18 13:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/18 13:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/18 13:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/19/18 13:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/19/18 13:44	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/18 13:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/18 13:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/18 13:44	1
Acetone	ND		10	3.0	ug/L			03/19/18 13:44	1
Benzene	ND		1.0	0.41	ug/L			03/19/18 13:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/18 13:44	1
Bromoform	ND		1.0	0.26	ug/L			03/19/18 13:44	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/18 13:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/18 13:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/18 13:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/18 13:44	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/19/18 13:44	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/18 13:44	1
Chloroform	ND		1.0	0.34	ug/L			03/19/18 13:44	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/18 13:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/18 13:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/18 13:44	1
Cyclohexane	ND		1.0	0.18	ug/L			03/19/18 13:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/19/18 13:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/18 13:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/19/18 13:44	1
Methyl acetate	ND		1.3	1.3	ug/L			03/19/18 13:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/19/18 13:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/19/18 13:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/18 13:44	1
Styrene	ND		1.0	0.73	ug/L			03/19/18 13:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/18 13:44	1
Toluene	ND		1.0	0.51	ug/L			03/19/18 13:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/18 13:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/18 13:44	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/18 13:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/19/18 13:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/18 13:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/18 13:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		03/19/18 13:44	1
Toluene-d8 (Surr)	106		80 - 120		03/19/18 13:44	1
4-Bromofluorobenzene (Surr)	103		73 - 120		03/19/18 13:44	1
Dibromofluoromethane (Surr)	97		75 - 123		03/19/18 13:44	1

Lab Sample ID: LCS 480-404555/6
Matrix: Water
Analysis Batch: 404555

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	26.5		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.1		ug/L		112	76 - 120
1,1,2-Trichloroethane	25.0	28.6		ug/L		114	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	30.7		ug/L		123	61 - 148
1,1-Dichloroethane	25.0	25.6		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	26.2		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	28.2		ug/L		113	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		94	56 - 134
1,2-Dibromoethane (EDB)	25.0	27.9		ug/L		112	77 - 120
1,2-Dichlorobenzene	25.0	29.3		ug/L		117	80 - 124
1,2-Dichloroethane	25.0	24.4		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	28.6		ug/L		114	77 - 120
1,4-Dichlorobenzene	25.0	28.1		ug/L		112	80 - 120
2-Hexanone	125	135		ug/L		108	65 - 127
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
4-Methyl-2-pentanone (MIBK)	125	140		ug/L		112	71 - 125
Acetone	125	115		ug/L		92	56 - 142
Benzene	25.0	27.0		ug/L		108	71 - 124
Bromodichloromethane	25.0	25.6		ug/L		103	80 - 122
Bromoform	25.0	28.6		ug/L		114	61 - 132
Bromomethane	25.0	27.9		ug/L		111	55 - 144
Carbon disulfide	25.0	24.9		ug/L		100	59 - 134
Carbon tetrachloride	25.0	26.9		ug/L		107	72 - 134
Chlorobenzene	25.0	28.4		ug/L		114	80 - 120
Chlorodibromomethane	25.0	28.0		ug/L		112	75 - 125
Chloroethane	25.0	28.0		ug/L		112	69 - 136
Chloroform	25.0	26.3		ug/L		105	73 - 127
Chloromethane	25.0	30.6		ug/L		122	68 - 124
cis-1,2-Dichloroethene	25.0	26.4		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	30.1		ug/L		120	59 - 135
Dichlorodifluoromethane	25.0	27.9		ug/L		112	59 - 135
Ethylbenzene	25.0	28.0		ug/L		112	77 - 123
Isopropylbenzene	25.0	28.4		ug/L		114	77 - 122
Methyl acetate	50.0	49.9		ug/L		100	74 - 133
Methyl tert-butyl ether	25.0	25.0		ug/L		100	77 - 120
Methylcyclohexane	25.0	27.1		ug/L		108	68 - 134
Methylene Chloride	25.0	25.1		ug/L		100	75 - 124
Styrene	25.0	27.2		ug/L		109	80 - 120
Tetrachloroethene	25.0	29.4		ug/L		118	74 - 122
Toluene	25.0	28.3		ug/L		113	80 - 122
trans-1,2-Dichloroethene	25.0	25.0		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	29.5		ug/L		118	80 - 120

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

Lab Sample ID: LCS 480-404555/6
Matrix: Water
Analysis Batch: 404555

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	25.6		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	27.2		ug/L		109	62 - 150
Vinyl chloride	25.0	28.8		ug/L		115	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

Lab Sample ID: 480-132627-10 MS
Matrix: Water
Analysis Batch: 404555

Client Sample ID: MW 6D 031418
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	26.3		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.8		ug/L		107	76 - 120
1,1,2-Trichloroethane	ND		25.0	28.0		ug/L		112	76 - 122
1,1,2-Trichlorotrifluoroethane	ND		25.0	27.9		ug/L		112	61 - 148
1,1-Dichloroethane	0.58	J	25.0	26.3		ug/L		103	77 - 120
1,1-Dichloroethene	ND		25.0	25.8		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	26.4		ug/L		106	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	22.2		ug/L		89	56 - 134
1,2-Dibromoethane (EDB)	ND		25.0	26.8		ug/L		107	77 - 120
1,2-Dichlorobenzene	ND		25.0	28.2		ug/L		113	80 - 124
1,2-Dichloroethane	ND		25.0	23.1		ug/L		92	75 - 120
1,2-Dichloropropane	ND		25.0	25.0		ug/L		100	76 - 120
1,3-Dichlorobenzene	ND		25.0	27.1		ug/L		108	77 - 120
1,4-Dichlorobenzene	ND		25.0	26.9		ug/L		108	78 - 124
2-Hexanone	ND		125	127		ug/L		101	65 - 127
2-Butanone (MEK)	ND		125	115		ug/L		92	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		107	71 - 125
Acetone	ND		125	99.1		ug/L		79	56 - 142
Benzene	ND		25.0	26.9		ug/L		108	71 - 124
Bromodichloromethane	ND		25.0	24.3		ug/L		97	80 - 122
Bromoform	ND		25.0	27.3		ug/L		109	61 - 132
Bromomethane	ND		25.0	27.6		ug/L		110	55 - 144
Carbon disulfide	ND		25.0	22.9		ug/L		92	59 - 134
Carbon tetrachloride	ND		25.0	25.8		ug/L		103	72 - 134
Chlorobenzene	ND		25.0	28.4		ug/L		114	80 - 120
Chlorodibromomethane	ND		25.0	27.1		ug/L		108	75 - 125
Chloroethane	ND		25.0	28.1		ug/L		112	69 - 136
Chloroform	ND		25.0	26.3		ug/L		105	73 - 127
Chloromethane	ND		25.0	28.3		ug/L		113	68 - 124
cis-1,2-Dichloroethene	1.0		25.0	26.9		ug/L		104	74 - 124
cis-1,3-Dichloropropene	ND		25.0	23.1		ug/L		93	74 - 124
Cyclohexane	ND		25.0	28.3		ug/L		113	59 - 135
Dichlorodifluoromethane	ND		25.0	26.6		ug/L		106	59 - 135

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

Lab Sample ID: 480-132627-10 MS
Matrix: Water
Analysis Batch: 404555

Client Sample ID: MW 6D 031418
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND		25.0	27.6		ug/L		110	77 - 123
Isopropylbenzene	ND		25.0	27.1		ug/L		108	77 - 122
Methyl acetate	ND		50.0	43.7		ug/L		87	74 - 133
Methyl tert-butyl ether	0.20	J	25.0	23.2		ug/L		92	77 - 120
Methylcyclohexane	ND		25.0	24.1		ug/L		96	68 - 134
Methylene Chloride	ND		25.0	23.9		ug/L		95	75 - 124
Styrene	ND		25.0	26.5		ug/L		106	80 - 120
Tetrachloroethene	ND		25.0	29.4		ug/L		118	74 - 122
Toluene	ND		25.0	27.7		ug/L		111	80 - 122
trans-1,2-Dichloroethene	ND		25.0	24.9		ug/L		100	73 - 127
trans-1,3-Dichloropropene	ND		25.0	27.4		ug/L		110	80 - 120
Trichloroethene	ND		25.0	25.2		ug/L		101	74 - 123
Trichlorofluoromethane	ND		25.0	26.7		ug/L		107	62 - 150
Vinyl chloride	1.1		25.0	30.1		ug/L		116	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: 480-132627-10 MSD
Matrix: Water
Analysis Batch: 404555

Client Sample ID: MW 6D 031418
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	26.2		ug/L		105	73 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.7		ug/L		107	76 - 120	0	15
1,1,2-Trichloroethane	ND		25.0	28.1		ug/L		113	76 - 122	0	15
1,1,2-Trichlorotrifluoroethane	ND		25.0	27.4		ug/L		110	61 - 148	2	20
1,1-Dichloroethane	0.58	J	25.0	25.9		ug/L		101	77 - 120	1	20
1,1-Dichloroethene	ND		25.0	25.4		ug/L		102	66 - 127	2	16
1,2,4-Trichlorobenzene	ND		25.0	25.9		ug/L		104	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		25.0	21.2		ug/L		85	56 - 134	5	15
1,2-Dibromoethane (EDB)	ND		25.0	27.0		ug/L		108	77 - 120	1	15
1,2-Dichlorobenzene	ND		25.0	28.1		ug/L		112	80 - 124	0	20
1,2-Dichloroethane	ND		25.0	23.9		ug/L		95	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	25.2		ug/L		101	76 - 120	1	20
1,3-Dichlorobenzene	ND		25.0	27.0		ug/L		108	77 - 120	0	20
1,4-Dichlorobenzene	ND		25.0	26.5		ug/L		106	78 - 124	2	20
2-Hexanone	ND		125	130		ug/L		104	65 - 127	2	15
2-Butanone (MEK)	ND		125	114		ug/L		91	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	134		ug/L		108	71 - 125	1	35
Acetone	ND		125	101		ug/L		81	56 - 142	2	15
Benzene	ND		25.0	26.5		ug/L		106	71 - 124	1	13
Bromodichloromethane	ND		25.0	24.1		ug/L		96	80 - 122	1	15
Bromoform	ND		25.0	27.0		ug/L		108	61 - 132	1	15
Bromomethane	ND		25.0	28.0		ug/L		112	55 - 144	2	15

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

Lab Sample ID: 480-132627-10 MSD
Matrix: Water
Analysis Batch: 404555

Client Sample ID: MW 6D 031418
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	25.1		ug/L		101	59 - 134	9	15
Carbon tetrachloride	ND		25.0	24.9		ug/L		100	72 - 134	4	15
Chlorobenzene	ND		25.0	28.0		ug/L		112	80 - 120	1	25
Chlorodibromomethane	ND		25.0	27.0		ug/L		108	75 - 125	1	15
Chloroethane	ND		25.0	29.0		ug/L		116	69 - 136	3	15
Chloroform	ND		25.0	25.8		ug/L		103	73 - 127	2	20
Chloromethane	ND		25.0	29.5		ug/L		118	68 - 124	4	15
cis-1,2-Dichloroethene	1.0		25.0	27.0		ug/L		104	74 - 124	0	15
cis-1,3-Dichloropropene	ND		25.0	23.2		ug/L		93	74 - 124	0	15
Cyclohexane	ND		25.0	27.1		ug/L		109	59 - 135	4	20
Dichlorodifluoromethane	ND		25.0	26.8		ug/L		107	59 - 135	1	20
Ethylbenzene	ND		25.0	27.3		ug/L		109	77 - 123	1	15
Isopropylbenzene	ND		25.0	26.6		ug/L		106	77 - 122	2	20
Methyl acetate	ND		50.0	43.8		ug/L		88	74 - 133	0	20
Methyl tert-butyl ether	0.20	J	25.0	23.4		ug/L		93	77 - 120	1	37
Methylcyclohexane	ND		25.0	23.3		ug/L		93	68 - 134	3	20
Methylene Chloride	ND		25.0	24.3		ug/L		97	75 - 124	2	15
Styrene	ND		25.0	26.5		ug/L		106	80 - 120	0	20
Tetrachloroethene	ND		25.0	28.5		ug/L		114	74 - 122	3	20
Toluene	ND		25.0	28.0		ug/L		112	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	25.0		ug/L		100	73 - 127	0	20
trans-1,3-Dichloropropene	ND		25.0	27.4		ug/L		110	80 - 120	0	15
Trichloroethene	ND		25.0	25.3		ug/L		101	74 - 123	0	16
Trichlorofluoromethane	ND		25.0	27.2		ug/L		109	62 - 150	2	20
Vinyl chloride	1.1		25.0	31.6		ug/L		122	65 - 133	5	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

QC Association Summary

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

TestAmerica Job ID: 480-132627-1

GC/MS VOA

Analysis Batch: 404555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-132627-1	MW 1S 031318	Total/NA	Water	8260C	
480-132627-2	MW 1D 031318	Total/NA	Water	8260C	
480-132627-3	MW 8D 031418	Total/NA	Water	8260C	
480-132627-4	MW 8S 031418	Total/NA	Water	8260C	
480-132627-5	MW 8DD 031418	Total/NA	Water	8260C	
480-132627-6	MW 7DD 031418	Total/NA	Water	8260C	
480-132627-7	MW 7D 031418	Total/NA	Water	8260C	
480-132627-8	MW 7S 031418	Total/NA	Water	8260C	
480-132627-9	X-1 031418	Total/NA	Water	8260C	
480-132627-10	MW 6D 031418	Total/NA	Water	8260C	
480-132627-11	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-404555/8	Method Blank	Total/NA	Water	8260C	
LCS 480-404555/6	Lab Control Sample	Total/NA	Water	8260C	
480-132627-10 MS	MW 6D 031418	Total/NA	Water	8260C	
480-132627-10 MSD	MW 6D 031418	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-132627-1

Client Sample ID: MW 1S 031318

Lab Sample ID: 480-132627-1

Date Collected: 03/13/18 16:38

Matrix: Water

Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 16:11	CDC	TAL BUF

Client Sample ID: MW 1D 031318

Lab Sample ID: 480-132627-2

Date Collected: 03/13/18 16:42

Matrix: Water

Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 16:38	CDC	TAL BUF

Client Sample ID: MW 8D 031418

Lab Sample ID: 480-132627-3

Date Collected: 03/14/18 11:08

Matrix: Water

Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 17:06	CDC	TAL BUF

Client Sample ID: MW 8S 031418

Lab Sample ID: 480-132627-4

Date Collected: 03/14/18 11:15

Matrix: Water

Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 17:33	CDC	TAL BUF

Client Sample ID: MW 8DD 031418

Lab Sample ID: 480-132627-5

Date Collected: 03/14/18 12:50

Matrix: Water

Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 18:01	CDC	TAL BUF

Client Sample ID: MW 7DD 031418

Lab Sample ID: 480-132627-6

Date Collected: 03/14/18 14:00

Matrix: Water

Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 18:28	CDC	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-132627-1

Client Sample ID: MW 7D 031418

Lab Sample ID: 480-132627-7

Date Collected: 03/14/18 14:02
Matrix: Water
Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 18:55	CDC	TAL BUF

Client Sample ID: MW 7S 031418

Lab Sample ID: 480-132627-8

Date Collected: 03/14/18 15:35
Matrix: Water
Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 19:23	CDC	TAL BUF

Client Sample ID: X-1 031418

Lab Sample ID: 480-132627-9

Date Collected: 03/14/18 00:00
Matrix: Water
Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 19:50	CDC	TAL BUF

Client Sample ID: MW 6D 031418

Lab Sample ID: 480-132627-10

Date Collected: 03/14/18 15:40
Matrix: Water
Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 20:18	CDC	TAL BUF

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-132627-11

Date Collected: 03/14/18 00:00
Matrix: Water
Date Received: 03/14/18 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404555	03/19/18 20:45	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 Monitoring

TestAmerica Job ID: 480-132627-1

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 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-132627-1

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: 480-132627-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-132627-1	MW 1S 031318	Water	03/13/18 16:38	03/14/18 17:20
480-132627-2	MW 1D 031318	Water	03/13/18 16:42	03/14/18 17:20
480-132627-3	MW 8D 031418	Water	03/14/18 11:08	03/14/18 17:20
480-132627-4	MW 8S 031418	Water	03/14/18 11:15	03/14/18 17:20
480-132627-5	MW 8DD 031418	Water	03/14/18 12:50	03/14/18 17:20
480-132627-6	MW 7DD 031418	Water	03/14/18 14:00	03/14/18 17:20
480-132627-7	MW 7D 031418	Water	03/14/18 14:02	03/14/18 17:20
480-132627-8	MW 7S 031418	Water	03/14/18 15:35	03/14/18 17:20
480-132627-9	X-1 031418	Water	03/14/18 00:00	03/14/18 17:20
480-132627-10	MW 6D 031418	Water	03/14/18 15:40	03/14/18 17:20
480-132627-11	QC TRIP BLANK	Water	03/14/18 00:00	03/14/18 17:20

Quantitation Limit Exceptions Summary

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

TestAmerica Job ID: 480-132627-1

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

TestAmeri
THE LEADER IN ENVIRONMENTA

480-132627 COC

Client Information	Sampler: Martin Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-110304-15479.1
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:	Analysis 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#:	

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 1S 031318	3-13-18	16:38	G	Water			3		
MW 1D 031318	3-13-18	16:42	G	Water			3		
MW 8D 031418	3-14-18	11:08	G	Water			3		
MW 8S 031418	3-14-18	11:15	G	Water			3		
MW 8DD 031418	3-14-18	12:50	G	Water			3		
MW 7DD-2 031418	3-14-18	14:00	G	Water			3		
MW 7D 031418	3-14-18	14:02	G	Water			3		
MW 7S 031418	3-14-18	15:35	G	Water			3		
X-1 031418	3-14-18	—	G	Water			3		
MW 6D 031418	3-14-18	15:40	G	Water			3		
MW 6D MS 031418	3-14-18	15:40	G	Water			3		

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koennecke	3-14-18 / 17:25	CBG	[signature]	3/19/18 1720	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.8

Ver: 08/04/2016

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-110304-15479.2
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, 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 6D MSD 031418	3-14-18	1540	G	Water			3		
QC TRIP BLANK				Water			1		
				Water					
				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: Mart Kenn	Date/Time: 3-14-18 / 17:25	Company OBG	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 2.8

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-132627-1

Login Number: 132627

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

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	

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: 480-132687-1
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:
3/27/2018 12:27:10 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

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: 480-132687-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-132687-1

Comments
No additional comments.

Receipt
The samples were received on 3/15/2018 4:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.8º C.

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

Detection Summary

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

TestAmerica Job ID: 480-132687-1

Client Sample ID: MW 10D 031518 — Lab Sample ID: 480-132687-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	J	10	3.0	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.28	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW 6DD 031518 — Lab Sample ID: 480-132687-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.82	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	24		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.17	J	1.0	0.16	ug/L	1		8260C	Total/NA
Trichloroethene	0.82	J	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	3.9		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW 10S 031518 — Lab Sample ID: 480-132687-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.9		1.0	0.81	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 6S 031518 — Lab Sample ID: 480-132687-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	28		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	29		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW 5D 031518 — Lab Sample ID: 480-132687-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.53	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.37	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW 5S 031518 — Lab Sample ID: 480-132687-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.4		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	14		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.3		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	9.5		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW 4D 031518 — Lab Sample ID: 480-132687-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.49	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW 4S 031518 — Lab Sample ID: 480-132687-8

No Detections.

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-132687-9

This Detection Summary does not include radiochemical test results.

Client Sample ID: QC TRIP BLANK (Continued)

Lab Sample ID: 480-132687-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-132687-1

Client Sample ID: MW 10D 031518
Date Collected: 03/15/18 10:24
Date Received: 03/15/18 16:45

Lab Sample ID: 480-132687-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/18 12:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/18 12:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/18 12:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/18 12:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/18 12:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/18 12:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/18 12:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/18 12:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/18 12:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/18 12:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/18 12:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/18 12:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/18 12:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/18 12:19	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/18 12:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/18 12:19	1
Acetone	**3.0**	**J**	10	3.0	ug/L			03/21/18 12:19	1
Benzene	ND		1.0	0.41	ug/L			03/21/18 12:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/18 12:19	1
Bromoform	ND		1.0	0.26	ug/L			03/21/18 12:19	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/18 12:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/18 12:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/18 12:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/18 12:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/18 12:19	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/18 12:19	1
Chloroform	ND		1.0	0.34	ug/L			03/21/18 12:19	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/18 12:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/18 12:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/18 12:19	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/18 12:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/18 12:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/18 12:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/18 12:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/18 12:19	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/18 12:19	1
Methyl tert-butyl ether	**0.28**	**J**	1.0	0.16	ug/L			03/21/18 12:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/18 12:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/18 12:19	1
Styrene	ND		1.0	0.73	ug/L			03/21/18 12:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/18 12:19	1
Toluene	ND		1.0	0.51	ug/L			03/21/18 12:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/18 12:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/18 12:19	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/18 12:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/18 12:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/18 12:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/18 12:19	1

Client Sample ID: MW 10D 031518

Lab Sample ID: 480-132687-1

Date Collected: 03/15/18 10:24

Matrix: Water

Date Received: 03/15/18 16:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/21/18 12:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*03/21/18 12:19*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/21/18 12:19*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/21/18 12:19*	*1*

Client Sample ID: MW 6DD 031518

Lab Sample ID: 480-132687-2

Date Collected: 03/15/18 10:35

Matrix: Water

Date Received: 03/15/18 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/18 12:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/18 12:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/18 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/18 12:43	1
1,1-Dichloroethane	**0.82**	**J**	1.0	0.38	ug/L			03/21/18 12:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/18 12:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/18 12:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/18 12:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/18 12:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/18 12:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/18 12:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/18 12:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/18 12:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/18 12:43	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/18 12:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/18 12:43	1
Acetone	ND		10	3.0	ug/L			03/21/18 12:43	1
Benzene	ND		1.0	0.41	ug/L			03/21/18 12:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/18 12:43	1
Bromoform	ND		1.0	0.26	ug/L			03/21/18 12:43	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/18 12:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/18 12:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/18 12:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/18 12:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/18 12:43	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/18 12:43	1
Chloroform	ND		1.0	0.34	ug/L			03/21/18 12:43	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/18 12:43	1
cis-1,2-Dichloroethene	**24**		1.0	0.81	ug/L			03/21/18 12:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/18 12:43	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/18 12:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/18 12:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/18 12:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/18 12:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/18 12:43	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/18 12:43	1
Methyl tert-butyl ether	**0.17**	**J**	1.0	0.16	ug/L			03/21/18 12:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/18 12:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/18 12:43	1

Client Sample ID: MW 6DD 031518

Lab Sample ID: 480-132687-2

Date Collected: 03/15/18 10:35

Matrix: Water

Date Received: 03/15/18 16:45

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			03/21/18 12:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/18 12:43	1
Toluene	ND		1.0	0.51	ug/L			03/21/18 12:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/18 12:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/18 12:43	1
Trichloroethene	**0.82**	**J**	1.0	0.46	ug/L			03/21/18 12:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/18 12:43	1
Vinyl chloride	**3.9**		1.0	0.90	ug/L			03/21/18 12:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/18 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/21/18 12:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*03/21/18 12:43*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*03/21/18 12:43*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*03/21/18 12:43*	*1*

Client Sample ID: MW 10S 031518

Lab Sample ID: 480-132687-3

Date Collected: 03/15/18 11:25

Matrix: Water

Date Received: 03/15/18 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/18 13:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/18 13:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/18 13:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/18 13:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/18 13:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/18 13:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/18 13:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/18 13:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/18 13:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/18 13:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/18 13:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/18 13:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/18 13:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/18 13:07	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/18 13:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/18 13:07	1
Acetone	ND		10	3.0	ug/L			03/21/18 13:07	1
Benzene	ND		1.0	0.41	ug/L			03/21/18 13:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/18 13:07	1
Bromoform	ND		1.0	0.26	ug/L			03/21/18 13:07	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/18 13:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/18 13:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/18 13:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/18 13:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/18 13:07	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/18 13:07	1
Chloroform	ND		1.0	0.34	ug/L			03/21/18 13:07	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/18 13:07	1

Client Sample ID: MW 10S 031518

Lab Sample ID: 480-132687-3

Date Collected: 03/15/18 11:25

Matrix: Water

Date Received: 03/15/18 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**2.9**		1.0	0.81	ug/L			03/21/18 13:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/18 13:07	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/18 13:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/18 13:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/18 13:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/18 13:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/18 13:07	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/18 13:07	1
Methyl tert-butyl ether	**0.30**	**J**	1.0	0.16	ug/L			03/21/18 13:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/18 13:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/18 13:07	1
Styrene	ND		1.0	0.73	ug/L			03/21/18 13:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/18 13:07	1
Toluene	ND		1.0	0.51	ug/L			03/21/18 13:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/18 13:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/18 13:07	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/18 13:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/18 13:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/18 13:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/18 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/21/18 13:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*03/21/18 13:07*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*03/21/18 13:07*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*03/21/18 13:07*	*1*

Client Sample ID: MW 6S 031518

Lab Sample ID: 480-132687-4

Date Collected: 03/15/18 12:10

Matrix: Water

Date Received: 03/15/18 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/18 13:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/18 13:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/18 13:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/18 13:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/18 13:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/18 13:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/18 13:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/18 13:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/18 13:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/18 13:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/18 13:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/18 13:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/18 13:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/18 13:30	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/18 13:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/18 13:30	1
Acetone	ND		10	3.0	ug/L			03/21/18 13:30	1

Client Sample ID: MW 6S 031518

Lab Sample ID: 480-132687-4

Date Collected: 03/15/18 12:10

Matrix: Water

Date Received: 03/15/18 16:45

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			03/21/18 13:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/18 13:30	1
Bromoform	ND		1.0	0.26	ug/L			03/21/18 13:30	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/18 13:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/18 13:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/18 13:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/18 13:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/18 13:30	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/18 13:30	1
Chloroform	ND		1.0	0.34	ug/L			03/21/18 13:30	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/18 13:30	1
cis-1,2-Dichloroethene	**28**		1.0	0.81	ug/L			03/21/18 13:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/18 13:30	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/18 13:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/18 13:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/18 13:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/18 13:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/18 13:30	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/18 13:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/18 13:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/18 13:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/18 13:30	1
Styrene	ND		1.0	0.73	ug/L			03/21/18 13:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/18 13:30	1
Toluene	ND		1.0	0.51	ug/L			03/21/18 13:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/18 13:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/18 13:30	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/18 13:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/18 13:30	1
Vinyl chloride	**29**		1.0	0.90	ug/L			03/21/18 13:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/18 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/21/18 13:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*03/21/18 13:30*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/21/18 13:30*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*03/21/18 13:30*	*1*

Client Sample ID: MW 5D 031518

Lab Sample ID: 480-132687-5

Date Collected: 03/15/18 12:55

Matrix: Water

Date Received: 03/15/18 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/18 13:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/18 13:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/18 13:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/18 13:54	1
1,1-Dichloroethane	**0.53**	**J**	1.0	0.38	ug/L			03/21/18 13:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/18 13:54	1

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

TestAmerica Job ID: 480-132687-1

Client Sample ID: MW 5D 031518
Date Collected: 03/15/18 12:55
Date Received: 03/15/18 16:45

Lab Sample ID: 480-132687-5
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			03/21/18 13:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/18 13:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/18 13:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/18 13:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/18 13:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/18 13:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/18 13:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/18 13:54	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/18 13:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/18 13:54	1
Acetone	ND		10	3.0	ug/L			03/21/18 13:54	1
Benzene	ND		1.0	0.41	ug/L			03/21/18 13:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/18 13:54	1
Bromoform	ND		1.0	0.26	ug/L			03/21/18 13:54	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/18 13:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/18 13:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/18 13:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/18 13:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/18 13:54	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/18 13:54	1
Chloroform	ND		1.0	0.34	ug/L			03/21/18 13:54	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/18 13:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/18 13:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/18 13:54	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/18 13:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/18 13:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/18 13:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/18 13:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/18 13:54	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/18 13:54	1
Methyl tert-butyl ether	**0.37**	**J**	1.0	0.16	ug/L			03/21/18 13:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/18 13:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/18 13:54	1
Styrene	ND		1.0	0.73	ug/L			03/21/18 13:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/18 13:54	1
Toluene	ND		1.0	0.51	ug/L			03/21/18 13:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/18 13:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/18 13:54	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/18 13:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/18 13:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/18 13:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/18 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/21/18 13:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*03/21/18 13:54*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/21/18 13:54*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/21/18 13:54*	*1*

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

TestAmerica Job ID: 480-132687-1

Client Sample ID: MW 5S 031518
Date Collected: 03/15/18 13:40
Date Received: 03/15/18 16:45

Lab Sample ID: 480-132687-6
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	**3.4**		1.0	0.82	ug/L			03/21/18 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/18 14:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/18 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/18 14:17	1
1,1-Dichloroethane	**14**		1.0	0.38	ug/L			03/21/18 14:17	1
1,1-Dichloroethene	**1.3**		1.0	0.29	ug/L			03/21/18 14:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/18 14:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/18 14:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/18 14:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/18 14:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/18 14:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/18 14:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/18 14:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/18 14:17	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/18 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/18 14:17	1
Acetone	ND		10	3.0	ug/L			03/21/18 14:17	1
Benzene	ND		1.0	0.41	ug/L			03/21/18 14:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/18 14:17	1
Bromoform	ND		1.0	0.26	ug/L			03/21/18 14:17	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/18 14:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/18 14:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/18 14:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/18 14:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/18 14:17	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/18 14:17	1
Chloroform	ND		1.0	0.34	ug/L			03/21/18 14:17	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/18 14:17	1
cis-1,2-Dichloroethene	**16**		1.0	0.81	ug/L			03/21/18 14:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/18 14:17	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/18 14:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/18 14:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/18 14:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/18 14:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/18 14:17	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/18 14:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/18 14:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/18 14:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/18 14:17	1
Styrene	ND		1.0	0.73	ug/L			03/21/18 14:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/18 14:17	1
Toluene	ND		1.0	0.51	ug/L			03/21/18 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/18 14:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/18 14:17	1
Trichloroethene	**9.5**		1.0	0.46	ug/L			03/21/18 14:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/18 14:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/18 14:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/18 14:17	1

Client Sample ID: MW 5S 031518
Lab Sample ID: 480-132687-6
Date Collected: 03/15/18 13:40
Matrix: Water
Date Received: 03/15/18 16:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/21/18 14:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*03/21/18 14:17*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/21/18 14:17*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*03/21/18 14:17*	*1*

Client Sample ID: MW 4D 031518
Lab Sample ID: 480-132687-7
Date Collected: 03/15/18 14:52
Matrix: Water
Date Received: 03/15/18 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/18 14:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/18 14:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/18 14:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/18 14:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/18 14:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/18 14:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/18 14:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/18 14:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/18 14:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/18 14:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/18 14:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/18 14:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/18 14:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/18 14:41	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/18 14:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/18 14:41	1
Acetone	ND		10	3.0	ug/L			03/21/18 14:41	1
Benzene	ND		1.0	0.41	ug/L			03/21/18 14:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/18 14:41	1
Bromoform	ND		1.0	0.26	ug/L			03/21/18 14:41	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/18 14:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/18 14:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/18 14:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/18 14:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/18 14:41	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/18 14:41	1
Chloroform	ND		1.0	0.34	ug/L			03/21/18 14:41	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/18 14:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/18 14:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/18 14:41	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/18 14:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/18 14:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/18 14:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/18 14:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/18 14:41	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/18 14:41	1
Methyl tert-butyl ether	**0.49**	**J**	1.0	0.16	ug/L			03/21/18 14:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/18 14:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/18 14:41	1

Client Sample ID: MW 4D 031518

Lab Sample ID: 480-132687-7

Date Collected: 03/15/18 14:52

Matrix: Water

Date Received: 03/15/18 16:45

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			03/21/18 14:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/18 14:41	1
Toluene	ND		1.0	0.51	ug/L			03/21/18 14:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/18 14:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/18 14:41	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/18 14:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/18 14:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/18 14:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/18 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/21/18 14:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*03/21/18 14:41*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*03/21/18 14:41*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*03/21/18 14:41*	*1*

Client Sample ID: MW 4S 031518

Lab Sample ID: 480-132687-8

Date Collected: 03/15/18 15:30

Matrix: Water

Date Received: 03/15/18 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/18 15:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/18 15:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/18 15:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/18 15:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/18 15:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/18 15:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/18 15:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/18 15:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/18 15:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/18 15:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/18 15:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/18 15:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/18 15:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/18 15:05	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/18 15:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/18 15:05	1
Acetone	ND		10	3.0	ug/L			03/21/18 15:05	1
Benzene	ND		1.0	0.41	ug/L			03/21/18 15:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/18 15:05	1
Bromoform	ND		1.0	0.26	ug/L			03/21/18 15:05	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/18 15:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/18 15:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/18 15:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/18 15:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/18 15:05	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/18 15:05	1
Chloroform	ND		1.0	0.34	ug/L			03/21/18 15:05	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/18 15:05	1

Client Sample ID: MW 4S 031518

Lab Sample ID: 480-132687-8

Date Collected: 03/15/18 15:30

Matrix: Water

Date Received: 03/15/18 16:45

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			03/21/18 15:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/18 15:05	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/18 15:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/18 15:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/18 15:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/18 15:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/18 15:05	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/18 15:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/18 15:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/18 15:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/18 15:05	1
Styrene	ND		1.0	0.73	ug/L			03/21/18 15:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/18 15:05	1
Toluene	ND		1.0	0.51	ug/L			03/21/18 15:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/18 15:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/18 15:05	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/18 15:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/18 15:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/18 15:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/18 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/21/18 15:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*03/21/18 15:05*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*03/21/18 15:05*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*03/21/18 15:05*	*1*

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-132687-9

Date Collected: 03/15/18 00:00

Matrix: Water

Date Received: 03/15/18 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/18 15:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/18 15:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/18 15:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/18 15:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/18 15:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/18 15:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/18 15:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/18 15:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/18 15:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/18 15:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/18 15:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/18 15:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/18 15:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/18 15:28	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/18 15:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/18 15:28	1
Acetone	**4.1**	**J**	10	3.0	ug/L			03/21/18 15:28	1

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

TestAmerica Job ID: 480-132687-1

Client Sample ID: QC TRIP BLANK
Date Collected: 03/15/18 00:00
Date Received: 03/15/18 16:45

Lab Sample ID: 480-132687-9
Matrix: Water

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			03/21/18 15:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/18 15:28	1
Bromoform	ND		1.0	0.26	ug/L			03/21/18 15:28	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/18 15:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/18 15:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/18 15:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/18 15:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/18 15:28	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/18 15:28	1
Chloroform	ND		1.0	0.34	ug/L			03/21/18 15:28	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/18 15:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/18 15:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/18 15:28	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/18 15:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/18 15:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/18 15:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/18 15:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/18 15:28	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/18 15:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/18 15:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/18 15:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/18 15:28	1
Styrene	ND		1.0	0.73	ug/L			03/21/18 15:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/18 15:28	1
Toluene	ND		1.0	0.51	ug/L			03/21/18 15:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/18 15:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/18 15:28	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/18 15:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/18 15:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/18 15:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/18 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/21/18 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*03/21/18 15:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/21/18 15:28*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/21/18 15:28*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-132687-1

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)
480-132687-1	MW 10D 031518	99	106	101	102
480-132687-2	MW 6DD 031518	102	109	105	104
480-132687-3	MW 10S 031518	101	109	104	105
480-132687-4	MW 6S 031518	101	113	101	104
480-132687-5	MW 5D 031518	102	108	102	102
480-132687-6	MW 5S 031518	98	111	101	108
480-132687-7	MW 4D 031518	101	112	105	105
480-132687-8	MW 4S 031518	99	108	104	108
480-132687-9	QC TRIP BLANK	99	109	99	103
LCS 480-404936/5	Lab Control Sample	100	112	104	108
MB 480-404936/7	Method Blank	100	112	102	104

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 480-404936/7
Matrix: Water
Analysis Batch: 404936

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/18 11:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/18 11:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/18 11:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/18 11:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/18 11:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/18 11:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/18 11:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/18 11:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/18 11:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/18 11:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/18 11:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/18 11:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/18 11:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/18 11:44	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/18 11:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/18 11:44	1
Acetone	ND		10	3.0	ug/L			03/21/18 11:44	1
Benzene	ND		1.0	0.41	ug/L			03/21/18 11:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/18 11:44	1
Bromoform	ND		1.0	0.26	ug/L			03/21/18 11:44	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/18 11:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/18 11:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/18 11:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/18 11:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/18 11:44	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/18 11:44	1
Chloroform	ND		1.0	0.34	ug/L			03/21/18 11:44	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/18 11:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/18 11:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/18 11:44	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/18 11:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/18 11:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/18 11:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/18 11:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/18 11:44	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/18 11:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/18 11:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/18 11:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/18 11:44	1
Styrene	ND		1.0	0.73	ug/L			03/21/18 11:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/18 11:44	1
Toluene	ND		1.0	0.51	ug/L			03/21/18 11:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/18 11:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/18 11:44	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/18 11:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/18 11:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/18 11:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/18 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		03/21/18 11:44	1
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		03/21/18 11:44	1
4-Bromofluorobenzene (Surr)	102		73 - 120		03/21/18 11:44	1
Dibromofluoromethane (Surr)	104		75 - 123		03/21/18 11:44	1

Lab Sample ID: LCS 480-404936/5
Matrix: Water
Analysis Batch: 404936

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	26.7		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	24.9		ug/L		100	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.2		ug/L		101	61 - 148
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	25.8		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	25.0	25.3		ug/L		101	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.6		ug/L		103	56 - 134
1,2-Dichlorobenzene	25.0	26.1		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	26.7		ug/L		107	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	26.1		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 120
2-Butanone (MEK)	125	145		ug/L		116	57 - 140
2-Hexanone	125	142		ug/L		113	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	166		ug/L		133	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromodichloromethane	25.0	26.2		ug/L		105	80 - 122
Bromoform	25.0	23.8		ug/L		95	61 - 132
Bromomethane	25.0	27.8		ug/L		111	55 - 144
Carbon disulfide	25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	25.0	27.8		ug/L		111	72 - 134
Chlorobenzene	25.0	24.9		ug/L		100	80 - 120
Dibromochloromethane	25.0	28.2		ug/L		113	75 - 125
Chloroethane	25.0	28.4		ug/L		114	69 - 136
Chloroform	25.0	25.6		ug/L		102	73 - 127
Chloromethane	25.0	25.1		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.3		ug/L		105	74 - 124
Cyclohexane	25.0	26.5		ug/L		106	59 - 135
Dichlorodifluoromethane	25.0	24.1		ug/L		96	59 - 135
Ethylbenzene	25.0	24.6		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	26.0		ug/L		104	77 - 120
Isopropylbenzene	25.0	23.9		ug/L		96	77 - 122
Methyl acetate	50.0	51.1		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	25.6		ug/L		102	77 - 120
Methylcyclohexane	25.0	26.8		ug/L		107	68 - 134
Methylene Chloride	25.0	24.2		ug/L		97	75 - 124
Styrene	25.0	24.6		ug/L		98	80 - 120
Tetrachloroethene	25.0	27.2		ug/L		109	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	25.0		ug/L		100	73 - 127

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

Lab Sample ID: LCS 480-404936/5
Matrix: Water
Analysis Batch: 404936

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	25.1		ug/L		100	80 - 120		
Trichloroethene			25.0	26.4		ug/L		106	74 - 123		
Trichlorofluoromethane			25.0	27.9		ug/L		112	62 - 150		
Vinyl chloride			25.0	25.5		ug/L		102	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

QC Association Summary

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

TestAmerica Job ID: 480-132687-1

GC/MS VOA

Analysis Batch: 404936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-132687-1	MW 10D 031518	Total/NA	Water	8260C	
480-132687-2	MW 6DD 031518	Total/NA	Water	8260C	
480-132687-3	MW 10S 031518	Total/NA	Water	8260C	
480-132687-4	MW 6S 031518	Total/NA	Water	8260C	
480-132687-5	MW 5D 031518	Total/NA	Water	8260C	
480-132687-6	MW 5S 031518	Total/NA	Water	8260C	
480-132687-7	MW 4D 031518	Total/NA	Water	8260C	
480-132687-8	MW 4S 031518	Total/NA	Water	8260C	
480-132687-9	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-404936/7	Method Blank	Total/NA	Water	8260C	
LCS 480-404936/5	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: 480-132687-1

Client Sample ID: MW 10D 031518
Lab Sample ID: 480-132687-1
Date Collected: 03/15/18 10:24
Matrix: Water
Date Received: 03/15/18 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404936	03/21/18 12:19	AEM	TAL BUF

Client Sample ID: MW 6DD 031518
Lab Sample ID: 480-132687-2
Date Collected: 03/15/18 10:35
Matrix: Water
Date Received: 03/15/18 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404936	03/21/18 12:43	AEM	TAL BUF

Client Sample ID: MW 10S 031518
Lab Sample ID: 480-132687-3
Date Collected: 03/15/18 11:25
Matrix: Water
Date Received: 03/15/18 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404936	03/21/18 13:07	AEM	TAL BUF

Client Sample ID: MW 6S 031518
Lab Sample ID: 480-132687-4
Date Collected: 03/15/18 12:10
Matrix: Water
Date Received: 03/15/18 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404936	03/21/18 13:30	AEM	TAL BUF

Client Sample ID: MW 5D 031518
Lab Sample ID: 480-132687-5
Date Collected: 03/15/18 12:55
Matrix: Water
Date Received: 03/15/18 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404936	03/21/18 13:54	AEM	TAL BUF

Client Sample ID: MW 5S 031518
Lab Sample ID: 480-132687-6
Date Collected: 03/15/18 13:40
Matrix: Water
Date Received: 03/15/18 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404936	03/21/18 14:17	AEM	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-132687-1

Client Sample ID: MW 4D 031518

Lab Sample ID: 480-132687-7

Date Collected: 03/15/18 14:52
Matrix: Water
Date Received: 03/15/18 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404936	03/21/18 14:41	AEM	TAL BUF

Client Sample ID: MW 4S 031518

Lab Sample ID: 480-132687-8

Date Collected: 03/15/18 15:30
Matrix: Water
Date Received: 03/15/18 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404936	03/21/18 15:05	AEM	TAL BUF

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-132687-9

Date Collected: 03/15/18 00:00
Matrix: Water
Date Received: 03/15/18 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	404936	03/21/18 15:28	AEM	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: 480-132687-1

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 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-132687-1

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: 480-132687-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-132687-1	MW 10D 031518	Water	03/15/18 10:24	03/15/18 16:45
480-132687-2	MW 6DD 031518	Water	03/15/18 10:35	03/15/18 16:45
480-132687-3	MW 10S 031518	Water	03/15/18 11:25	03/15/18 16:45
480-132687-4	MW 6S 031518	Water	03/15/18 12:10	03/15/18 16:45
480-132687-5	MW 5D 031518	Water	03/15/18 12:55	03/15/18 16:45
480-132687-6	MW 5S 031518	Water	03/15/18 13:40	03/15/18 16:45
480-132687-7	MW 4D 031518	Water	03/15/18 14:52	03/15/18 16:45
480-132687-8	MW 4S 031518	Water	03/15/18 15:30	03/15/18 16:45
480-132687-9	QC TRIP BLANK	Water	03/15/18 00:00	03/15/18 16:45

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

480-132687 COC

Client Information	Sampler: MARTIN Koennecke	Lab PM: Johnson, Orlette S	COC No: 480-110304-15479.1
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		Analysis Requested	Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date 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)
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#:		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 031518	3-15-18	10:24	G	Water			3		
MW 6DD 031518	3-15-18	10:35	G	Water			3		
MW 10S 031518	3-15-18	11:25	G	Water			3		
MW 6S 031518	3-15-18	12:10	G	Water			3		
MW 5D 031518	3-15-18	12:55	G	Water			3		
MW 5S 031518	3-15-18	1340	G	Water			3		
MW 4D 031518	3-15-18	14:52	G	Water			3		
MW 4S 031518	3-15-18	1530	G	Water			2		
QC TRIP BLANK				Water			1		
				Water					
				Water					

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koennecke	3-15-18 / 1645	OBG		3/15/18 1645	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

2.8 TH

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-132687-1

Login Number: 132687

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

June 2018

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: 480-137766-1
Client Project/Site: Forest Glen Monitoring

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

Attn: Mr. David J Carnevale

Authorized for release by:
6/29/2018 5:44:30 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

Table of Contents

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: 480-137766-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-137766-1

Receipt
The samples were received on 6/20/2018 2:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-421787 recovered above the upper control limit for Chlorodibromomethane. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following sample is impacted: TRIP BLANK (480-137766-19).

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: 480-137766-1

Client Sample ID: MW-5S-061918 — Lab Sample ID: 480-137766-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.7		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	67		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	3.6		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	3.7	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	77		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.98	J	1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	34		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	5.2		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-4S-061918 — Lab Sample ID: 480-137766-2

No Detections.

Client Sample ID: MW-7D-061918 — Lab Sample ID: 480-137766-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.90	J	1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.80	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-8DD-061918 — Lab Sample ID: 480-137766-4

No Detections.

Client Sample ID: MW-7S-061918 — Lab Sample ID: 480-137766-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	J	10	3.0	ug/L	1		8260C	Total/NA
Trichloroethene	0.52	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-8S-061918 — Lab Sample ID: 480-137766-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.6		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.53	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-8D-061918 — Lab Sample ID: 480-137766-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.84	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.29	J	1.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	1.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-7DD-061918 — Lab Sample ID: 480-137766-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.53	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1D-061918 — Lab Sample ID: 480-137766-9

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1D-061918 (Continued) — Lab Sample ID: 480-137766-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.42	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5D-061918 — Lab Sample ID: 480-137766-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.49	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.36	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1S-061918 — Lab Sample ID: 480-137766-11

No Detections.

Client Sample ID: MW-4D-062018 — Lab Sample ID: 480-137766-12

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

Client Sample ID: MW-6DD-062018 — Lab Sample ID: 480-137766-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.64	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	25		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.17	J	1.0	0.16	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.39	J	1.0	0.36	ug/L	1		8260C	Total/NA
Vinyl chloride	5.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-10S-062018 — Lab Sample ID: 480-137766-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12		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	2.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6D-062018 — Lab Sample ID: 480-137766-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.59	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.21	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

Client Sample ID: MW-10D-062018 — Lab Sample ID: 480-137766-16

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-6S-062018 — Lab Sample ID: 480-137766-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.3		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: 480-137766-1

Client Sample ID: X-1-061918 — Lab Sample ID: 480-137766-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.83	J	1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.89	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-137766-19

No Detections.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-137766-1

Client Sample ID: MW-5S-061918
Date Collected: 06/19/18 07:30
Date Received: 06/20/18 14:35

Lab Sample ID: 480-137766-1
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	**9.7**		1.0	0.82	ug/L			06/27/18 01:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 01:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 01:23	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 01:23	1
1,1-Dichloroethane	**67**		1.0	0.38	ug/L			06/27/18 01:23	1
1,1-Dichloroethene	**3.6**		1.0	0.29	ug/L			06/27/18 01:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 01:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 01:23	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 01:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 01:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 01:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 01:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 01:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 01:23	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 01:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 01:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 01:23	1
Acetone	**3.7**	**J**	10	3.0	ug/L			06/27/18 01:23	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 01:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 01:23	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 01:23	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 01:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 01:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 01:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 01:23	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 01:23	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 01:23	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 01:23	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 01:23	1
cis-1,2-Dichloroethene	**77**		1.0	0.81	ug/L			06/27/18 01:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 01:23	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 01:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 01:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 01:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 01:23	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 01:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 01:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 01:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 01:23	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 01:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 01:23	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 01:23	1
trans-1,2-Dichloroethene	**0.98**	**J**	1.0	0.90	ug/L			06/27/18 01:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 01:23	1
Trichloroethene	**34**		1.0	0.46	ug/L			06/27/18 01:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 01:23	1
Vinyl chloride	**5.2**		1.0	0.90	ug/L			06/27/18 01:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 01:23	1

Client Sample ID: MW-5S-061918

Lab Sample ID: 480-137766-1

Date Collected: 06/19/18 07:30

Matrix: Water

Date Received: 06/20/18 14:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/27/18 01:23*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/27/18 01:23*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/27/18 01:23*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/27/18 01:23*	*1*

Client Sample ID: MW-4S-061918

Lab Sample ID: 480-137766-2

Date Collected: 06/19/18 07:42

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 01:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 01:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 01:47	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 01:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 01:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 01:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 01:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 01:47	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 01:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 01:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 01:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 01:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 01:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 01:47	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 01:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 01:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 01:47	1
Acetone	ND		10	3.0	ug/L			06/27/18 01:47	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 01:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 01:47	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 01:47	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 01:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 01:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 01:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 01:47	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 01:47	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 01:47	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 01:47	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 01:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 01:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 01:47	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 01:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 01:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 01:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 01:47	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 01:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 01:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 01:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 01:47	1

Client Sample ID: MW-4S-061918

Lab Sample ID: 480-137766-2

Date Collected: 06/19/18 07:42

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/27/18 01:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 01:47	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 01:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 01:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 01:47	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 01:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 01:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 01:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/27/18 01:47*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/27/18 01:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*06/27/18 01:47*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/27/18 01:47*	*1*

Client Sample ID: MW-7D-061918

Lab Sample ID: 480-137766-3

Date Collected: 06/19/18 09:22

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 02:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 02:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 02:11	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 02:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 02:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 02:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 02:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 02:11	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 02:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 02:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 02:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 02:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 02:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 02:11	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 02:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 02:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 02:11	1
Acetone	ND		10	3.0	ug/L			06/27/18 02:11	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 02:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 02:11	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 02:11	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 02:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 02:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 02:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 02:11	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 02:11	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 02:11	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 02:11	1

Client Sample ID: MW-7D-061918

Lab Sample ID: 480-137766-3
Matrix: Water
Date Collected: 06/19/18 09:22
Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 02:11	1
cis-1,2-Dichloroethene	**0.90**	**J**	1.0	0.81	ug/L			06/27/18 02:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 02:11	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 02:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 02:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 02:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 02:11	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 02:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 02:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 02:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 02:11	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 02:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 02:11	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 02:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 02:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 02:11	1
Trichloroethene	**0.80**	**J**	1.0	0.46	ug/L			06/27/18 02:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 02:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 02:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/27/18 02:11*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/27/18 02:11*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*06/27/18 02:11*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*06/27/18 02:11*	*1*

Client Sample ID: MW-8DD-061918

Lab Sample ID: 480-137766-4
Matrix: Water
Date Collected: 06/19/18 09:25
Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 02:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 02:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 02:35	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 02:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 02:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 02:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 02:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 02:35	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 02:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 02:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 02:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 02:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 02:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 02:35	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 02:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 02:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 02:35	1

Client Sample ID: MW-8DD-061918

Lab Sample ID: 480-137766-4

Date Collected: 06/19/18 09:25

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			06/27/18 02:35	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 02:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 02:35	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 02:35	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 02:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 02:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 02:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 02:35	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 02:35	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 02:35	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 02:35	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 02:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 02:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 02:35	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 02:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 02:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 02:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 02:35	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 02:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 02:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 02:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 02:35	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 02:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 02:35	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 02:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 02:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 02:35	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 02:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 02:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 02:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/27/18 02:35*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/27/18 02:35*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*06/27/18 02:35*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/27/18 02:35*	*1*

Client Sample ID: MW-7S-061918

Lab Sample ID: 480-137766-5

Date Collected: 06/19/18 10:32

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 02:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 02:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 02:59	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 02:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 02:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 02:59	1

Client Sample ID: MW-7S-061918
Date Collected: 06/19/18 10:32
Date Received: 06/20/18 14:35

Lab Sample ID: 480-137766-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 02:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 02:59	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 02:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 02:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 02:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 02:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 02:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 02:59	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 02:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 02:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 02:59	1
Acetone	**3.0**	**J**	10	3.0	ug/L			06/27/18 02:59	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 02:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 02:59	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 02:59	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 02:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 02:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 02:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 02:59	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 02:59	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 02:59	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 02:59	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 02:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 02:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 02:59	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 02:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 02:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 02:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 02:59	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 02:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 02:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 02:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 02:59	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 02:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 02:59	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 02:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 02:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 02:59	1
Trichloroethene	**0.52**	**J**	1.0	0.46	ug/L			06/27/18 02:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 02:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 02:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/27/18 02:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/27/18 02:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/27/18 02:59*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*06/27/18 02:59*	*1*

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

TestAmerica Job ID: 480-137766-1

Client Sample ID: MW-8S-061918
Date Collected: 06/19/18 10:35
Date Received: 06/20/18 14:35

Lab Sample ID: 480-137766-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 03:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 03:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 03:23	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 03:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 03:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 03:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 03:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 03:23	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 03:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 03:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 03:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 03:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 03:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 03:23	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 03:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 03:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 03:23	1
Acetone	ND		10	3.0	ug/L			06/27/18 03:23	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 03:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 03:23	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 03:23	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 03:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 03:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 03:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 03:23	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 03:23	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 03:23	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 03:23	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 03:23	1
cis-1,2-Dichloroethene	**2.6**		1.0	0.81	ug/L			06/27/18 03:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 03:23	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 03:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 03:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 03:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 03:23	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 03:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 03:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 03:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 03:23	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 03:23	1
Tetrachloroethene	**0.53**	**J**	1.0	0.36	ug/L			06/27/18 03:23	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 03:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 03:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 03:23	1
Trichloroethene	**2.4**		1.0	0.46	ug/L			06/27/18 03:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 03:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 03:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 03:23	1

Client Sample ID: MW-8S-061918

Lab Sample ID: 480-137766-6

Date Collected: 06/19/18 10:35

Matrix: Water

Date Received: 06/20/18 14:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/27/18 03:23	1
Toluene-d8 (Surr)	100		80 - 120		06/27/18 03:23	1
4-Bromofluorobenzene (Surr)	99		73 - 120		06/27/18 03:23	1
Dibromofluoromethane (Surr)	105		75 - 123		06/27/18 03:23	1

Client Sample ID: MW-8D-061918

Lab Sample ID: 480-137766-7

Date Collected: 06/19/18 11:37

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 03:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 03:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 03:47	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 03:47	1
1,1-Dichloroethane	**0.84**	**J**	1.0	0.38	ug/L			06/27/18 03:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 03:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 03:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 03:47	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 03:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 03:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 03:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 03:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 03:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 03:47	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 03:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 03:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 03:47	1
Acetone	ND		10	3.0	ug/L			06/27/18 03:47	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 03:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 03:47	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 03:47	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 03:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 03:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 03:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 03:47	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 03:47	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 03:47	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 03:47	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 03:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 03:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 03:47	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 03:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 03:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 03:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 03:47	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 03:47	1
Methyl tert-butyl ether	**0.29**	**J**	1.0	0.16	ug/L			06/27/18 03:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 03:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 03:47	1

Client Sample ID: MW-8D-061918

Lab Sample ID: 480-137766-7

Date Collected: 06/19/18 11:37

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/27/18 03:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 03:47	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 03:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 03:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 03:47	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 03:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 03:47	1
Vinyl chloride	**1.0**		1.0	0.90	ug/L			06/27/18 03:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/27/18 03:47*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/27/18 03:47*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*06/27/18 03:47*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*06/27/18 03:47*	*1*

Client Sample ID: MW-7DD-061918

Lab Sample ID: 480-137766-8

Date Collected: 06/19/18 12:18

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 04:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 04:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 04:11	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 04:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 04:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 04:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 04:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 04:11	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 04:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 04:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 04:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 04:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 04:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 04:11	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 04:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 04:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 04:11	1
Acetone	ND		10	3.0	ug/L			06/27/18 04:11	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 04:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 04:11	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 04:11	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 04:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 04:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 04:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 04:11	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 04:11	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 04:11	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 04:11	1

Client Sample ID: MW-7DD-061918

Lab Sample ID: 480-137766-8

Date Collected: 06/19/18 12:18

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 04:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 04:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 04:11	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 04:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 04:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 04:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 04:11	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 04:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 04:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 04:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 04:11	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 04:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 04:11	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 04:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 04:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 04:11	1
Trichloroethene	**0.53**	**J**	1.0	0.46	ug/L			06/27/18 04:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 04:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 04:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*06/27/18 04:11*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/27/18 04:11*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*06/27/18 04:11*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/27/18 04:11*	*1*

Client Sample ID: MW-1D-061918

Lab Sample ID: 480-137766-9

Date Collected: 06/19/18 13:02

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 04:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 04:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 04:35	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 04:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 04:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 04:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 04:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 04:35	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 04:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 04:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 04:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 04:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 04:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 04:35	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 04:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 04:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 04:35	1

Client Sample ID: MW-1D-061918

Lab Sample ID: 480-137766-9

Date Collected: 06/19/18 13:02

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			06/27/18 04:35	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 04:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 04:35	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 04:35	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 04:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 04:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 04:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 04:35	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 04:35	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 04:35	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 04:35	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 04:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 04:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 04:35	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 04:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 04:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 04:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 04:35	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 04:35	1
Methyl tert-butyl ether	**0.42**	**J**	1.0	0.16	ug/L			06/27/18 04:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 04:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 04:35	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 04:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 04:35	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 04:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 04:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 04:35	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 04:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 04:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 04:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/27/18 04:35*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/27/18 04:35*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*06/27/18 04:35*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/27/18 04:35*	*1*

Client Sample ID: MW-5D-061918

Lab Sample ID: 480-137766-10

Date Collected: 06/19/18 14:33

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 04:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 04:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 04:58	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 04:58	1
1,1-Dichloroethane	**0.49**	**J**	1.0	0.38	ug/L			06/27/18 04:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 04:58	1

Client Sample ID: MW-5D-061918
Date Collected: 06/19/18 14:33
Date Received: 06/20/18 14:35

Lab Sample ID: 480-137766-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 04:58	1
1,2-Dibromo-3-Chloropropane	ND	F1 F2	1.0	0.39	ug/L			06/27/18 04:58	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 04:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 04:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 04:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 04:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 04:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 04:58	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 04:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 04:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 04:58	1
Acetone	ND		10	3.0	ug/L			06/27/18 04:58	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 04:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 04:58	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 04:58	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 04:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 04:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 04:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 04:58	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 04:58	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 04:58	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 04:58	1
Chloromethane	ND	F2	1.0	0.35	ug/L			06/27/18 04:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 04:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 04:58	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 04:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 04:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 04:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 04:58	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 04:58	1
Methyl tert-butyl ether	**0.36**	**J**	1.0	0.16	ug/L			06/27/18 04:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 04:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 04:58	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 04:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 04:58	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 04:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 04:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 04:58	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 04:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 04:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 04:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/27/18 04:58*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/27/18 04:58*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/27/18 04:58*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*06/27/18 04:58*	*1*

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

TestAmerica Job ID: 480-137766-1

Client Sample ID: MW-1S-061918
Date Collected: 06/19/18 14:50
Date Received: 06/20/18 14:35

Lab Sample ID: 480-137766-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 05:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 05:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 05:22	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 05:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 05:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 05:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 05:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 05:22	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 05:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 05:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 05:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 05:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 05:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 05:22	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 05:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 05:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 05:22	1
Acetone	ND		10	3.0	ug/L			06/27/18 05:22	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 05:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 05:22	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 05:22	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 05:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 05:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 05:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 05:22	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 05:22	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 05:22	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 05:22	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 05:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 05:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 05:22	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 05:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 05:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 05:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 05:22	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 05:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 05:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 05:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 05:22	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 05:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 05:22	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 05:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 05:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 05:22	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 05:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 05:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 05:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 05:22	1

Client Sample ID: MW-1S-061918

Lab Sample ID: 480-137766-11

Date Collected: 06/19/18 14:50

Matrix: Water

Date Received: 06/20/18 14:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/27/18 05:22	1
Toluene-d8 (Surr)	100		80 - 120		06/27/18 05:22	1
4-Bromofluorobenzene (Surr)	99		73 - 120		06/27/18 05:22	1
Dibromofluoromethane (Surr)	102		75 - 123		06/27/18 05:22	1

Client Sample ID: MW-4D-062018

Lab Sample ID: 480-137766-12

Date Collected: 06/20/18 08:58

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 05:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 05:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 05:46	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 05:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 05:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 05:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 05:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 05:46	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 05:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 05:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 05:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 05:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 05:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 05:46	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 05:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 05:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 05:46	1
Acetone	ND		10	3.0	ug/L			06/27/18 05:46	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 05:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 05:46	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 05:46	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 05:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 05:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 05:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 05:46	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 05:46	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 05:46	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 05:46	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 05:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 05:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 05:46	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 05:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 05:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 05:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 05:46	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 05:46	1
Methyl tert-butyl ether	**0.46**	**J**	1.0	0.16	ug/L			06/27/18 05:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 05:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 05:46	1

Client Sample ID: MW-4D-062018

Lab Sample ID: 480-137766-12

Date Collected: 06/20/18 08:58

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/27/18 05:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 05:46	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 05:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 05:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 05:46	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 05:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 05:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 05:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/27/18 05:46*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/27/18 05:46*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*06/27/18 05:46*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*06/27/18 05:46*	*1*

Client Sample ID: MW-6DD-062018

Lab Sample ID: 480-137766-13

Date Collected: 06/20/18 09:30

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 06:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 06:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 06:10	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 06:10	1
1,1-Dichloroethane	**0.64**	**J**	1.0	0.38	ug/L			06/27/18 06:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 06:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 06:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 06:10	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 06:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 06:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 06:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 06:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 06:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 06:10	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 06:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 06:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 06:10	1
Acetone	ND		10	3.0	ug/L			06/27/18 06:10	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 06:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 06:10	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 06:10	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 06:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 06:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 06:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 06:10	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 06:10	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 06:10	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 06:10	1

Client Sample ID: MW-6DD-062018

Lab Sample ID: 480-137766-13
Matrix: Water
Date Collected: 06/20/18 09:30
Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 06:10	1
cis-1,2-Dichloroethene	**25**		1.0	0.81	ug/L			06/27/18 06:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 06:10	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 06:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 06:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 06:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 06:10	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 06:10	1
Methyl tert-butyl ether	**0.17**	**J**	1.0	0.16	ug/L			06/27/18 06:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 06:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 06:10	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 06:10	1
Tetrachloroethene	**0.39**	**J**	1.0	0.36	ug/L			06/27/18 06:10	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 06:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 06:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 06:10	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 06:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 06:10	1
Vinyl chloride	**5.3**		1.0	0.90	ug/L			06/27/18 06:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*06/27/18 06:10*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/27/18 06:10*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*06/27/18 06:10*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/27/18 06:10*	*1*

Client Sample ID: MW-10S-062018

Lab Sample ID: 480-137766-14
Matrix: Water
Date Collected: 06/20/18 10:35
Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 06:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 06:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 06:34	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 06:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 06:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 06:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 06:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 06:34	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 06:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 06:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 06:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 06:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 06:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 06:34	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 06:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 06:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 06:34	1

Client Sample ID: MW-10S-062018

Lab Sample ID: 480-137766-14

Date Collected: 06/20/18 10:35

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			06/27/18 06:34	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 06:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 06:34	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 06:34	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 06:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 06:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 06:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 06:34	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 06:34	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 06:34	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 06:34	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 06:34	1
cis-1,2-Dichloroethene	**12**		1.0	0.81	ug/L			06/27/18 06:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 06:34	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 06:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 06:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 06:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 06:34	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 06:34	1
Methyl tert-butyl ether	**0.24**	**J**	1.0	0.16	ug/L			06/27/18 06:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 06:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 06:34	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 06:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 06:34	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 06:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 06:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 06:34	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 06:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 06:34	1
Vinyl chloride	**2.3**		1.0	0.90	ug/L			06/27/18 06:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/27/18 06:34*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/27/18 06:34*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/27/18 06:34*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*06/27/18 06:34*	*1*

Client Sample ID: MW-6D-062018

Lab Sample ID: 480-137766-15

Date Collected: 06/20/18 10:47

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 06:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 06:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 06:58	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 06:58	1
1,1-Dichloroethane	**0.59**	**J**	1.0	0.38	ug/L			06/27/18 06:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 06:58	1

Client Sample ID: MW-6D-062018
Date Collected: 06/20/18 10:47
Date Received: 06/20/18 14:35

Lab Sample ID: 480-137766-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 06:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 06:58	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 06:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 06:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 06:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 06:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 06:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 06:58	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 06:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 06:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 06:58	1
Acetone	ND		10	3.0	ug/L			06/27/18 06:58	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 06:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 06:58	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 06:58	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 06:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 06:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 06:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 06:58	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 06:58	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 06:58	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 06:58	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 06:58	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			06/27/18 06:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 06:58	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 06:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 06:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 06:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 06:58	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 06:58	1
Methyl tert-butyl ether	**0.21**	**J**	1.0	0.16	ug/L			06/27/18 06:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 06:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 06:58	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 06:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 06:58	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 06:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 06:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 06:58	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 06:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 06:58	1
Vinyl chloride	**1.2**		1.0	0.90	ug/L			06/27/18 06:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/27/18 06:58*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/27/18 06:58*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*06/27/18 06:58*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*06/27/18 06:58*	*1*

Client Sample ID: MW-10D-062018
Date Collected: 06/20/18 11:30
Date Received: 06/20/18 14:35

Lab Sample ID: 480-137766-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 07:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 07:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 07:21	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 07:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 07:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 07:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 07:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 07:21	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 07:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 07:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 07:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 07:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 07:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 07:21	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 07:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 07:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 07:21	1
Acetone	ND		10	3.0	ug/L			06/27/18 07:21	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 07:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 07:21	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 07:21	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 07:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 07:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 07:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 07:21	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 07:21	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 07:21	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 07:21	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 07:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 07:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 07:21	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 07:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 07:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 07:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 07:21	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 07:21	1
Methyl tert-butyl ether	**0.28**	**J**	1.0	0.16	ug/L			06/27/18 07:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 07:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 07:21	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 07:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 07:21	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 07:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 07:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 07:21	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 07:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 07:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 07:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 07:21	1

Client Sample ID: MW-10D-062018

Lab Sample ID: 480-137766-16

Date Collected: 06/20/18 11:30

Matrix: Water

Date Received: 06/20/18 14:35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/27/18 07:21*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/27/18 07:21*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*06/27/18 07:21*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/27/18 07:21*	*1*

Client Sample ID: MW-6S-062018

Lab Sample ID: 480-137766-17

Date Collected: 06/20/18 12:18

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 07:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 07:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 07:45	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 07:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 07:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 07:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 07:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 07:45	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 07:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 07:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 07:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 07:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 07:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 07:45	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 07:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 07:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 07:45	1
Acetone	ND		10	3.0	ug/L			06/27/18 07:45	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 07:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 07:45	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 07:45	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 07:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 07:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 07:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 07:45	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 07:45	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 07:45	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 07:45	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 07:45	1
cis-1,2-Dichloroethene	**6.3**		1.0	0.81	ug/L			06/27/18 07:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 07:45	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 07:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 07:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 07:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 07:45	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 07:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 07:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 07:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 07:45	1

Client Sample ID: MW-6S-062018

Lab Sample ID: 480-137766-17

Date Collected: 06/20/18 12:18

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/27/18 07:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 07:45	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 07:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 07:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 07:45	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 07:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 07:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 07:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 07:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*06/27/18 07:45*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/27/18 07:45*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*06/27/18 07:45*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/27/18 07:45*	*1*

Client Sample ID: X-1-061918

Lab Sample ID: 480-137766-18

Date Collected: 06/19/18 00:00

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 08:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 08:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 08:09	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 08:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 08:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 08:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 08:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 08:09	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 08:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 08:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 08:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 08:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 08:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 08:09	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 08:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 08:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 08:09	1
Acetone	ND		10	3.0	ug/L			06/27/18 08:09	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 08:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 08:09	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 08:09	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 08:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 08:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 08:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 08:09	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 08:09	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 08:09	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 08:09	1

Client Sample ID: X-1-061918

Lab Sample ID: 480-137766-18

Date Collected: 06/19/18 00:00

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 08:09	1
cis-1,2-Dichloroethene	**0.83**	**J**	1.0	0.81	ug/L			06/27/18 08:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 08:09	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 08:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 08:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 08:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 08:09	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 08:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 08:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 08:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 08:09	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 08:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 08:09	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 08:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 08:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 08:09	1
Trichloroethene	**0.89**	**J**	1.0	0.46	ug/L			06/27/18 08:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 08:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 08:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 08:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/27/18 08:09*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/27/18 08:09*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*06/27/18 08:09*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/27/18 08:09*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-137766-19

Date Collected: 06/20/18 00:00

Matrix: Water

Date Received: 06/20/18 14:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 14:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 14:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 14:18	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 14:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 14:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 14:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 14:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 14:18	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 14:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 14:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 14:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 14:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 14:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 14:18	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 14:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 14:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 14:18	1

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

TestAmerica Job ID: 480-137766-1

Client Sample ID: TRIP BLANK
Date Collected: 06/20/18 00:00
Date Received: 06/20/18 14:35

Lab Sample ID: 480-137766-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			06/27/18 14:18	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 14:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 14:18	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 14:18	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 14:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 14:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 14:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 14:18	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 14:18	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 14:18	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 14:18	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 14:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 14:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 14:18	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 14:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 14:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 14:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 14:18	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 14:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 14:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 14:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 14:18	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 14:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 14:18	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 14:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 14:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 14:18	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 14:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 14:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 14:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*06/27/18 14:18*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/27/18 14:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/27/18 14:18*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/27/18 14:18*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-137766-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-137766-1	MW-5S-061918	99	101	101	100
480-137766-2	MW-4S-061918	101	99	99	101
480-137766-3	MW-7D-061918	101	103	100	102
480-137766-4	MW-8DD-061918	99	99	99	101
480-137766-5	MW-7S-061918	102	101	102	102
480-137766-6	MW-8S-061918	103	100	99	105
480-137766-7	MW-8D-061918	104	101	98	102
480-137766-8	MW-7DD-061918	100	99	95	100
480-137766-9	MW-1D-061918	101	100	98	100
480-137766-10	MW-5D-061918	101	102	101	103
480-137766-10 MS	MW-5D-061918	104	101	103	106
480-137766-10 MSD	MW-5D-061918	101	102	104	101
480-137766-11	MW-1S-061918	103	100	99	102
480-137766-12	MW-4D-062018	101	100	103	103
480-137766-13	MW-6DD-062018	100	99	100	99
480-137766-14	MW-10S-062018	101	98	102	98
480-137766-15	MW-6D-062018	104	97	96	102
480-137766-16	MW-10D-062018	103	96	98	100
480-137766-17	MW-6S-062018	106	97	99	104
480-137766-18	X-1-061918	102	96	98	99
480-137766-19	TRIP BLANK	100	100	101	99
LCS 480-421740/6	Lab Control Sample	99	99	100	102
LCS 480-421787/5	Lab Control Sample	104	98	101	107
MB 480-421740/8	Method Blank	100	101	99	98
MB 480-421787/7	Method Blank	106	99	102	101

Surrogate Legend

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

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

Lab Sample ID: MB 480-421740/8
Matrix: Water
Analysis Batch: 421740

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 00:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 00:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 00:47	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 00:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 00:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 00:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 00:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 00:47	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 00:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 00:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 00:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/27/18 00:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 00:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 00:47	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 00:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 00:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 00:47	1
Acetone	ND		10	3.0	ug/L			06/27/18 00:47	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 00:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 00:47	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 00:47	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 00:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 00:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 00:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 00:47	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 00:47	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 00:47	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 00:47	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 00:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 00:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 00:47	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 00:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 00:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 00:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 00:47	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 00:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 00:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 00:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 00:47	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 00:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 00:47	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 00:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 00:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 00:47	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 00:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 00:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 00:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 00:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*06/27/18 00:47*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/27/18 00:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*06/27/18 00:47*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*06/27/18 00:47*	*1*

Lab Sample ID: LCS 480-421740/6
Matrix: Water
Analysis Batch: 421740

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.2		ug/L		109	76 - 120
1,1,2-Trichloroethane	25.0	25.4		ug/L		101	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	23.8		ug/L		95	61 - 148
1,1-Dichloroethane	25.0	25.8		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	25.9		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	25.0	25.9		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	31.4		ug/L		126	56 - 134
1,2-Dibromoethane (EDB)	25.0	27.2		ug/L		109	77 - 120
1,2-Dichlorobenzene	25.0	26.6		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	26.9		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 120
2-Hexanone	125	137		ug/L		110	65 - 127
2-Butanone (MEK)	125	129		ug/L		103	57 - 140
4-Methyl-2-pentanone (MIBK)	125	139		ug/L		111	71 - 125
Acetone	125	127		ug/L		102	56 - 142
Benzene	25.0	26.1		ug/L		104	71 - 124
Bromodichloromethane	25.0	26.8		ug/L		107	80 - 122
Bromoform	25.0	29.3		ug/L		117	61 - 132
Bromomethane	25.0	21.8		ug/L		87	55 - 144
Carbon disulfide	25.0	26.0		ug/L		104	59 - 134
Carbon tetrachloride	25.0	27.6		ug/L		110	72 - 134
Chlorobenzene	25.0	26.0		ug/L		104	80 - 120
Chlorodibromomethane	25.0	28.2		ug/L		113	75 - 125
Chloroethane	25.0	23.8		ug/L		95	69 - 136
Chloroform	25.0	24.7		ug/L		99	73 - 127
Chloromethane	25.0	23.9		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	26.7		ug/L		107	74 - 124
Cyclohexane	25.0	26.8		ug/L		107	59 - 135
Dichlorodifluoromethane	25.0	23.6		ug/L		94	59 - 135
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
Isopropylbenzene	25.0	27.7		ug/L		111	77 - 122
Methyl acetate	50.0	46.6		ug/L		93	74 - 133
Methyl tert-butyl ether	25.0	26.4		ug/L		106	77 - 120
Methylcyclohexane	25.0	25.1		ug/L		100	68 - 134
Methylene Chloride	25.0	23.7		ug/L		95	75 - 124
Styrene	25.0	27.1		ug/L		109	80 - 120
Tetrachloroethene	25.0	25.8		ug/L		103	74 - 122
Toluene	25.0	25.4		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	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 480-421740/6
Matrix: Water
Analysis Batch: 421740

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	27.2		ug/L		109	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)	*99*		*77 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-137766-10 MS
Matrix: Water
Analysis Batch: 421740

Client Sample ID: MW-5D-061918
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	27.1		ug/L		108	73 - 126		
1,1,2,2-Tetrachloroethane	ND		25.0	25.5		ug/L		102	76 - 120		
1,1,2-Trichloroethane	ND		25.0	24.8		ug/L		99	76 - 122		
1,1,2-Trichlorotrifluoroethane	ND		25.0	24.9		ug/L		100	61 - 148		
1,1-Dichloroethane	0.49	J	25.0	27.2		ug/L		107	77 - 120		
1,1-Dichloroethene	ND		25.0	28.3		ug/L		113	66 - 127		
1,2,4-Trichlorobenzene	ND		25.0	22.3		ug/L		89	79 - 122		
1,2-Dibromo-3-Chloropropane	ND	F1 F2	25.0	27.0		ug/L		108	56 - 134		
1,2-Dibromoethane (EDB)	ND		25.0	25.8		ug/L		103	77 - 120		
1,2-Dichlorobenzene	ND		25.0	24.2		ug/L		97	80 - 124		
1,2-Dichloroethane	ND		25.0	24.7		ug/L		99	75 - 120		
1,2-Dichloropropane	ND		25.0	26.9		ug/L		108	76 - 120		
1,3-Dichlorobenzene	ND		25.0	24.2		ug/L		97	77 - 120		
1,4-Dichlorobenzene	ND		25.0	23.1		ug/L		93	78 - 124		
2-Hexanone	ND		125	130		ug/L		104	65 - 127		
2-Butanone (MEK)	ND		125	126		ug/L		101	57 - 140		
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		106	71 - 125		
Acetone	ND		125	117		ug/L		93	56 - 142		
Benzene	ND		25.0	26.5		ug/L		106	71 - 124		
Bromodichloromethane	ND		25.0	26.3		ug/L		105	80 - 122		
Bromoform	ND		25.0	25.8		ug/L		103	61 - 132		
Bromomethane	ND		25.0	24.9		ug/L		100	55 - 144		
Carbon disulfide	ND		25.0	25.6		ug/L		102	59 - 134		
Carbon tetrachloride	ND		25.0	27.8		ug/L		111	72 - 134		
Chlorobenzene	ND		25.0	25.6		ug/L		102	80 - 120		
Chlorodibromomethane	ND		25.0	27.5		ug/L		110	75 - 125		
Chloroethane	ND		25.0	28.6		ug/L		114	69 - 136		
Chloroform	ND		25.0	25.4		ug/L		101	73 - 127		
Chloromethane	ND	F2	25.0	28.3		ug/L		113	68 - 124		
cis-1,2-Dichloroethene	ND		25.0	25.5		ug/L		102	74 - 124		
cis-1,3-Dichloropropene	ND		25.0	25.3		ug/L		101	74 - 124		
Cyclohexane	ND		25.0	26.4		ug/L		106	59 - 135		
Dichlorodifluoromethane	ND		25.0	30.0		ug/L		120	59 - 135		

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

Lab Sample ID: 480-137766-10 MS
Matrix: Water
Analysis Batch: 421740

Client Sample ID: MW-5D-061918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND		25.0	25.6		ug/L		102	77 - 123
Isopropylbenzene	ND		25.0	24.9		ug/L		100	77 - 122
Methyl acetate	ND		50.0	42.5		ug/L		85	74 - 133
Methyl tert-butyl ether	0.36	J	25.0	26.4		ug/L		104	77 - 120
Methylcyclohexane	ND		25.0	24.6		ug/L		98	68 - 134
Methylene Chloride	ND		25.0	23.5		ug/L		94	75 - 124
Styrene	ND		25.0	25.8		ug/L		103	80 - 120
Tetrachloroethene	ND		25.0	24.8		ug/L		99	74 - 122
Toluene	ND		25.0	25.4		ug/L		102	80 - 122
trans-1,2-Dichloroethene	ND		25.0	27.1		ug/L		109	73 - 127
trans-1,3-Dichloropropene	ND		25.0	25.0		ug/L		100	80 - 120
Trichloroethene	ND		25.0	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	ND		25.0	30.9		ug/L		123	62 - 150
Vinyl chloride	ND		25.0	30.8		ug/L		123	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: 480-137766-10 MSD
Matrix: Water
Analysis Batch: 421740

Client Sample ID: MW-5D-061918
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	28.3		ug/L		113	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		25.0	29.4		ug/L		117	76 - 120	14	15
1,1,2-Trichloroethane	ND		25.0	26.5		ug/L		106	76 - 122	7	15
1,1,2-Trichlorotrifluoroethane	ND		25.0	24.7		ug/L		99	61 - 148	1	20
1,1-Dichloroethane	0.49	J	25.0	28.6		ug/L		112	77 - 120	5	20
1,1-Dichloroethene	ND		25.0	28.1		ug/L		112	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		25.0	25.7		ug/L		103	79 - 122	14	20
1,2-Dibromo-3-Chloropropane	ND	F1 F2	25.0	34.1	F1 F2	ug/L		137	56 - 134	23	15
1,2-Dibromoethane (EDB)	ND		25.0	27.8		ug/L		111	77 - 120	8	15
1,2-Dichlorobenzene	ND		25.0	27.5		ug/L		110	80 - 124	13	20
1,2-Dichloroethane	ND		25.0	25.4		ug/L		102	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	26.9		ug/L		107	76 - 120	0	20
1,3-Dichlorobenzene	ND		25.0	27.3		ug/L		109	77 - 120	12	20
1,4-Dichlorobenzene	ND		25.0	25.7		ug/L		103	78 - 124	10	20
2-Hexanone	ND		125	144		ug/L		115	65 - 127	11	15
2-Butanone (MEK)	ND		125	133		ug/L		106	57 - 140	5	20
4-Methyl-2-pentanone (MIBK)	ND		125	151		ug/L		121	71 - 125	12	35
Acetone	ND		125	123		ug/L		99	56 - 142	6	15
Benzene	ND		25.0	27.0		ug/L		108	71 - 124	2	13
Bromodichloromethane	ND		25.0	27.1		ug/L		108	80 - 122	3	15
Bromoform	ND		25.0	29.6		ug/L		118	61 - 132	14	15
Bromomethane	ND		25.0	21.8		ug/L		87	55 - 144	13	15

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

Lab Sample ID: 480-137766-10 MSD
Matrix: Water
Analysis Batch: 421740

Client Sample ID: MW-5D-061918
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	27.0		ug/L		108	59 - 134	5	15
Carbon tetrachloride	ND		25.0	29.4		ug/L		118	72 - 134	5	15
Chlorobenzene	ND		25.0	27.4		ug/L		110	80 - 120	7	25
Chlorodibromomethane	ND		25.0	29.3		ug/L		117	75 - 125	7	15
Chloroethane	ND		25.0	24.5		ug/L		98	69 - 136	15	15
Chloroform	ND		25.0	26.3		ug/L		105	73 - 127	4	20
Chloromethane	ND	F2	25.0	23.9	F2	ug/L		96	68 - 124	17	15
cis-1,2-Dichloroethene	ND		25.0	26.8		ug/L		107	74 - 124	5	15
cis-1,3-Dichloropropene	ND		25.0	25.7		ug/L		103	74 - 124	2	15
Cyclohexane	ND		25.0	27.0		ug/L		108	59 - 135	2	20
Dichlorodifluoromethane	ND		25.0	24.8		ug/L		99	59 - 135	19	20
Ethylbenzene	ND		25.0	27.2		ug/L		109	77 - 123	6	15
Isopropylbenzene	ND		25.0	27.9		ug/L		112	77 - 122	11	20
Methyl acetate	ND		50.0	44.4		ug/L		89	74 - 133	4	20
Methyl tert-butyl ether	0.36	J	25.0	27.3		ug/L		108	77 - 120	3	37
Methylcyclohexane	ND		25.0	24.7		ug/L		99	68 - 134	0	20
Methylene Chloride	ND		25.0	24.0		ug/L		96	75 - 124	2	15
Styrene	ND		25.0	28.3		ug/L		113	80 - 120	9	20
Tetrachloroethene	ND		25.0	27.5		ug/L		110	74 - 122	10	20
Toluene	ND		25.0	26.9		ug/L		107	80 - 122	6	15
trans-1,2-Dichloroethene	ND		25.0	28.7		ug/L		115	73 - 127	5	20
trans-1,3-Dichloropropene	ND		25.0	27.2		ug/L		109	80 - 120	9	15
Trichloroethene	ND		25.0	27.4		ug/L		109	74 - 123	5	16
Trichlorofluoromethane	ND		25.0	26.4		ug/L		106	62 - 150	16	20
Vinyl chloride	ND		25.0	26.8		ug/L		107	65 - 133	14	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: MB 480-421787/7
Matrix: Water
Analysis Batch: 421787

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/27/18 13:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/27/18 13:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/27/18 13:44	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			06/27/18 13:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/27/18 13:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/27/18 13:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/27/18 13:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/27/18 13:44	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			06/27/18 13:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/27/18 13:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/27/18 13:44	1

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

TestAmerica Job ID: 480-137766-1

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

Lab Sample ID: MB 480-421787/7
Matrix: Water
Analysis Batch: 421787

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			06/27/18 13:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/27/18 13:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/27/18 13:44	1
2-Hexanone	ND		5.0	1.2	ug/L			06/27/18 13:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/27/18 13:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/27/18 13:44	1
Acetone	ND		10	3.0	ug/L			06/27/18 13:44	1
Benzene	ND		1.0	0.41	ug/L			06/27/18 13:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/27/18 13:44	1
Bromoform	ND		1.0	0.26	ug/L			06/27/18 13:44	1
Bromomethane	ND		1.0	0.69	ug/L			06/27/18 13:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/27/18 13:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/27/18 13:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/27/18 13:44	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			06/27/18 13:44	1
Chloroethane	ND		1.0	0.32	ug/L			06/27/18 13:44	1
Chloroform	ND		1.0	0.34	ug/L			06/27/18 13:44	1
Chloromethane	ND		1.0	0.35	ug/L			06/27/18 13:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/27/18 13:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/27/18 13:44	1
Cyclohexane	ND		1.0	0.18	ug/L			06/27/18 13:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/27/18 13:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/27/18 13:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/27/18 13:44	1
Methyl acetate	ND		1.3	1.3	ug/L			06/27/18 13:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/27/18 13:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/27/18 13:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/27/18 13:44	1
Styrene	ND		1.0	0.73	ug/L			06/27/18 13:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/27/18 13:44	1
Toluene	ND		1.0	0.51	ug/L			06/27/18 13:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/27/18 13:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/27/18 13:44	1
Trichloroethene	ND		1.0	0.46	ug/L			06/27/18 13:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/27/18 13:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/27/18 13:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/27/18 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*06/27/18 13:44*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/27/18 13:44*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/27/18 13:44*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*06/27/18 13:44*	*1*

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

Lab Sample ID: LCS 480-421787/5
Matrix: Water
Analysis Batch: 421787

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.8		ug/L		107	76 - 120
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	24.8		ug/L		99	61 - 148
1,1-Dichloroethane	25.0	26.5		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	26.1		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	30.4		ug/L		122	56 - 134
1,2-Dibromoethane (EDB)	25.0	26.5		ug/L		106	77 - 120
1,2-Dichlorobenzene	25.0	26.5		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	24.9		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	27.0		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	26.2		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 120
2-Hexanone	125	139		ug/L		111	65 - 127
2-Butanone (MEK)	125	140		ug/L		112	57 - 140
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		106	71 - 125
Acetone	125	154		ug/L		123	56 - 142
Benzene	25.0	26.5		ug/L		106	71 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Bromoform	25.0	28.7		ug/L		115	61 - 132
Bromomethane	25.0	23.6		ug/L		95	55 - 144
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134
Carbon tetrachloride	25.0	27.6		ug/L		110	72 - 134
Chlorobenzene	25.0	26.7		ug/L		107	80 - 120
Chlorodibromomethane	25.0	28.8		ug/L		115	75 - 125
Chloroethane	25.0	25.6		ug/L		102	69 - 136
Chloroform	25.0	25.8		ug/L		103	73 - 127
Chloromethane	25.0	24.5		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	26.9		ug/L		108	59 - 135
Dichlorodifluoromethane	25.0	25.6		ug/L		102	59 - 135
Ethylbenzene	25.0	25.5		ug/L		102	77 - 123
Isopropylbenzene	25.0	26.6		ug/L		106	77 - 122
Methyl acetate	50.0	47.3		ug/L		95	74 - 133
Methyl tert-butyl ether	25.0	26.1		ug/L		105	77 - 120
Methylcyclohexane	25.0	25.5		ug/L		102	68 - 134
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
Styrene	25.0	26.8		ug/L		107	80 - 120
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	27.1		ug/L		109	73 - 127
trans-1,3-Dichloropropene	25.0	27.3		ug/L		109	80 - 120
Trichloroethene	25.0	25.7		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	26.9		ug/L		107	62 - 150
Vinyl chloride	25.0	25.5		ug/L		102	65 - 133

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

Lab Sample ID: LCS 480-421787/5
Matrix: Water
Analysis Batch: 421787

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)	98		80 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123

QC Association Summary

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

TestAmerica Job ID: 480-137766-1

GC/MS VOA

Analysis Batch: 421740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-137766-1	MW-5S-061918	Total/NA	Water	8260C	
480-137766-2	MW-4S-061918	Total/NA	Water	8260C	
480-137766-3	MW-7D-061918	Total/NA	Water	8260C	
480-137766-4	MW-8DD-061918	Total/NA	Water	8260C	
480-137766-5	MW-7S-061918	Total/NA	Water	8260C	
480-137766-6	MW-8S-061918	Total/NA	Water	8260C	
480-137766-7	MW-8D-061918	Total/NA	Water	8260C	
480-137766-8	MW-7DD-061918	Total/NA	Water	8260C	
480-137766-9	MW-1D-061918	Total/NA	Water	8260C	
480-137766-10	MW-5D-061918	Total/NA	Water	8260C	
480-137766-11	MW-1S-061918	Total/NA	Water	8260C	
480-137766-12	MW-4D-062018	Total/NA	Water	8260C	
480-137766-13	MW-6DD-062018	Total/NA	Water	8260C	
480-137766-14	MW-10S-062018	Total/NA	Water	8260C	
480-137766-15	MW-6D-062018	Total/NA	Water	8260C	
480-137766-16	MW-10D-062018	Total/NA	Water	8260C	
480-137766-17	MW-6S-062018	Total/NA	Water	8260C	
480-137766-18	X-1-061918	Total/NA	Water	8260C	
MB 480-421740/8	Method Blank	Total/NA	Water	8260C	
LCS 480-421740/6	Lab Control Sample	Total/NA	Water	8260C	
480-137766-10 MS	MW-5D-061918	Total/NA	Water	8260C	
480-137766-10 MSD	MW-5D-061918	Total/NA	Water	8260C	

Analysis Batch: 421787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-137766-19	TRIP BLANK	Total/NA	Water	8260C	
MB 480-421787/7	Method Blank	Total/NA	Water	8260C	
LCS 480-421787/5	Lab Control Sample	Total/NA	Water	8260C	

Client Sample ID: MW-5S-061918 — Lab Sample ID: 480-137766-1

Date Collected: 06/19/18 07:30 — **Matrix: Water**
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 01:23	S1V	TAL BUF

Client Sample ID: MW-4S-061918 — Lab Sample ID: 480-137766-2

Date Collected: 06/19/18 07:42 — **Matrix: Water**
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 01:47	S1V	TAL BUF

Client Sample ID: MW-7D-061918 — Lab Sample ID: 480-137766-3

Date Collected: 06/19/18 09:22 — **Matrix: Water**
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 02:11	S1V	TAL BUF

Client Sample ID: MW-8DD-061918 — Lab Sample ID: 480-137766-4

Date Collected: 06/19/18 09:25 — **Matrix: Water**
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 02:35	S1V	TAL BUF

Client Sample ID: MW-7S-061918 — Lab Sample ID: 480-137766-5

Date Collected: 06/19/18 10:32 — **Matrix: Water**
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 02:59	S1V	TAL BUF

Client Sample ID: MW-8S-061918 — Lab Sample ID: 480-137766-6

Date Collected: 06/19/18 10:35 — **Matrix: Water**
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 03:23	S1V	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-137766-1

Client Sample ID: MW-8D-061918
Lab Sample ID: 480-137766-7
Date Collected: 06/19/18 11:37
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 03:47	S1V	TAL BUF

Client Sample ID: MW-7DD-061918
Lab Sample ID: 480-137766-8
Date Collected: 06/19/18 12:18
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 04:11	S1V	TAL BUF

Client Sample ID: MW-1D-061918
Lab Sample ID: 480-137766-9
Date Collected: 06/19/18 13:02
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 04:35	S1V	TAL BUF

Client Sample ID: MW-5D-061918
Lab Sample ID: 480-137766-10
Date Collected: 06/19/18 14:33
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 04:58	S1V	TAL BUF

Client Sample ID: MW-1S-061918
Lab Sample ID: 480-137766-11
Date Collected: 06/19/18 14:50
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 05:22	S1V	TAL BUF

Client Sample ID: MW-4D-062018
Lab Sample ID: 480-137766-12
Date Collected: 06/20/18 08:58
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 05:46	S1V	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-137766-1

Client Sample ID: MW-6DD-062018
Lab Sample ID: 480-137766-13
Date Collected: 06/20/18 09:30
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 06:10	S1V	TAL BUF

Client Sample ID: MW-10S-062018
Lab Sample ID: 480-137766-14
Date Collected: 06/20/18 10:35
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 06:34	S1V	TAL BUF

Client Sample ID: MW-6D-062018
Lab Sample ID: 480-137766-15
Date Collected: 06/20/18 10:47
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 06:58	S1V	TAL BUF

Client Sample ID: MW-10D-062018
Lab Sample ID: 480-137766-16
Date Collected: 06/20/18 11:30
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 07:21	S1V	TAL BUF

Client Sample ID: MW-6S-062018
Lab Sample ID: 480-137766-17
Date Collected: 06/20/18 12:18
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 07:45	S1V	TAL BUF

Client Sample ID: X-1-061918
Lab Sample ID: 480-137766-18
Date Collected: 06/19/18 00:00
Matrix: Water
Date Received: 06/20/18 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421740	06/27/18 08:09	S1V	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-137766-1

Client Sample ID: TRIP BLANK
Date Collected: 06/20/18 00:00
Date Received: 06/20/18 14:35

Lab Sample ID: 480-137766-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	421787	06/27/18 14:18	AEM	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: 480-137766-1

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 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-137766-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = 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: 480-137766-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-137766-1	MW-5S-061918	Water	06/19/18 07:30	06/20/18 14:35
480-137766-2	MW-4S-061918	Water	06/19/18 07:42	06/20/18 14:35
480-137766-3	MW-7D-061918	Water	06/19/18 09:22	06/20/18 14:35
480-137766-4	MW-8DD-061918	Water	06/19/18 09:25	06/20/18 14:35
480-137766-5	MW-7S-061918	Water	06/19/18 10:32	06/20/18 14:35
480-137766-6	MW-8S-061918	Water	06/19/18 10:35	06/20/18 14:35
480-137766-7	MW-8D-061918	Water	06/19/18 11:37	06/20/18 14:35
480-137766-8	MW-7DD-061918	Water	06/19/18 12:18	06/20/18 14:35
480-137766-9	MW-1D-061918	Water	06/19/18 13:02	06/20/18 14:35
480-137766-10	MW-5D-061918	Water	06/19/18 14:33	06/20/18 14:35
480-137766-11	MW-1S-061918	Water	06/19/18 14:50	06/20/18 14:35
480-137766-12	MW-4D-062018	Water	06/20/18 08:58	06/20/18 14:35
480-137766-13	MW-6DD-062018	Water	06/20/18 09:30	06/20/18 14:35
480-137766-14	MW-10S-062018	Water	06/20/18 10:35	06/20/18 14:35
480-137766-15	MW-6D-062018	Water	06/20/18 10:47	06/20/18 14:35
480-137766-16	MW-10D-062018	Water	06/20/18 11:30	06/20/18 14:35
480-137766-17	MW-6S-062018	Water	06/20/18 12:18	06/20/18 14:35
480-137766-18	X-1-061918	Water	06/19/18 00:00	06/20/18 14:35
480-137766-19	TRIP BLANK	Water	06/20/18 00:00	06/20/18 14:35

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
TestAmerica Job ID: 480-137766-1
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: Amanda Young / MARTIN KOERNECKU	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-114586-26531.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 3
Company: O'Brien & Gere Inc of North America		**Analysis Requested**		Job #:
Address: 333 West Washington St. PO BOX 4873	**Due Date Requested:**			480-137766 COC
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#:			

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
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-5S-061918	6/19/18	07:30	G	Water			X		
MW-4S-061918	6/19/18	07:42	G	Water			X		
MW-7D-061918	6/19/18	09:22	G	Water			X		
MW-8DD-061918	6/19/18	09:25	G	Water			X		
MW-7S-061918	6/19/18	10:32	G	Water			X		
MW-8S-061918	6/19/18	10:35	G	Water			X		
MW-8D-061918	6/19/18	11:37	G	Water			X		
MW-7DD-061918	6/19/18	12:18	G	Water			X		
MW-1D-061918	6/19/18	13:02	G	Water			X		
MW-5D-061918	6/19/18	14:33	G	Water			X		
MW-5D-MS-061918	6/19/18	14:38	G	Water			X		

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 [signature] / Amanda [signature]	6-20-18 14:35	OBG	[signature]	6/20/18 14:35	TAB
			[signature]	6/20/18 14:35	TAB

3.3 #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: Amanda Young / Martin Koennecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-114586-26531.2
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 3
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
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-5D-MSD-061918	6/19/18	14:33	G	Water			X		
MW-1S-061918	6/19/18	14:50	G	Water			X		
MW-4D-062018	6/20/18	08:58	G	Water			X		
MW-6DD-062018	6/20/18	09:30	G	Water			X		
MW-10S-062018	6/20/18	10:35	G	Water			X		
MW-6D-062018	6/20/18	10:47	G	Water			X		
MW-10D-062018	6/20/18	11:30	G	Water			X		
~~X-1-061918~~	~~6/19/18~~	—		~~Water~~			~~X~~		
~~Trip~~				~~Water~~					
MW-6S-062018	6/20/18	12:18	G	Water			X		
X-1-061918	6/19/18	—	G	Water			X		

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 Koennecke / Amanda Young	6-20-18 / 14:35	OBG		6/20/18 1435	TBB
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

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: Amanda Young / Martin Kochnecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-114586-26531.3
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 3 of 3
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
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		
Trip Blank - 062018	—	—	—	Water			X		
				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 Kochnecke / Amanda Young	6-20-18 / 14:35	OBG		6/21/18 1435	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:

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-137766-1

Login Number: 137766
List Number: 1
Creator: Stopa, Erik S

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	

September 2018

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: 480-141989-1
Client Project/Site: Forest Glen Monitoring

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

Attn: Mr. David J Carnevale

Authorized for release by:
10/4/2018 4:12:27 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

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.
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.
E	Result exceeded calibration range.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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: 480-141989-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-141989-1

Receipt
The samples were received on 9/19/2018 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.8º C and 4.4º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-435314 recovered outside acceptance criteria, low biased, for 2-Hexanone and 4-Methyl-2-pentanone. 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: MW7S091818 (480-141989-5), MW7DD091818 (480-141989-6), MW1S091818 (480-141989-7), MW1D091818 (480-141989-8), MW10D091918 (480-141989-9), MW10S091918 (480-141989-10), X-1 091918 (480-141989-11), MW6D091918 (480-141989-12), MW6DD091918 (480-141989-13), MW4D091918 (480-141989-14) and MW5D091918 (480-141989-15).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-435314 recovered outside control limits for the following analyte(s): 4-Methyl-2-pentanone, which has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The following samples are impacted: MW7S091818 (480-141989-5), MW7DD091818 (480-141989-6), MW1S091818 (480-141989-7), MW1D091818 (480-141989-8), MW10D091918 (480-141989-9), MW10S091918 (480-141989-10), X-1 091918 (480-141989-11), MW6D091918 (480-141989-12), MW6DD091918 (480-141989-13), MW4D091918 (480-141989-14) and MW5D091918 (480-141989-15).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-435491 recovered outside acceptance criteria, low biased, for 2-Hexanone and 4-Methyl-2-pentanone. 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: MW8D091818 (480-141989-1), MW8DD091818 (480-141989-2), MW8S091818 (480-141989-3) and MW7D091818 (480-141989-4).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-436169 recovered outside control limits for the following analyte: Dichlorodifluoromethane. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following sample is impacted: Trip Blank (480-141989-16).

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 sample was diluted to bring the concentration of target analytes within the calibration range: MW8D091818 (480-141989-1). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW1D091818 (480-141989-8), MW10D091918 (480-141989-9), MW10S091918 (480-141989-10), X-1 091918 (480-141989-11), MW6D091918 (480-141989-12), MW6DD091918 (480-141989-13), MW4D091918 (480-141989-14) and MW5D091918 (480-141989-15). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW8DD091818 (480-141989-2), MW8S091818 (480-141989-3), MW7D091818 (480-141989-4), MW7S091818 (480-141989-5), MW7DD091818 (480-141989-6) and MW1S091818 (480-141989-7). 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: MW8DD091818 (480-141989-2). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method(s) 353.2: The following sample(s) was received with less than less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW8D091818 (480-141989-1).

Job ID: 480-141989-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) Nitrate by calc: The following sample(s) was received with than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW8D091818 (480-141989-1).

Method(s) 353.2: The following sample(s) was received with less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW8D091818 (480-141989-1).

Method(s) SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 490-545423 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(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW8D091818 (480-141989-1), MW8DD091818 (480-141989-2), MW8S091818 (480-141989-3), MW7D091818 (480-141989-4), MW7S091818 (480-141989-5), MW7DD091818 (480-141989-6), MW1S091818 (480-141989-7), MW1D091818 (480-141989-8), MW10D091918 (480-141989-9), MW10D091918 (480-141989-9[MS]), MW10D091918 (480-141989-9[MSD]), MW10S091918 (480-141989-10), X-1 091918 (480-141989-11), MW6D091918 (480-141989-12), MW6DD091918 (480-141989-13), MW4D091918 (480-141989-14), MW5D091918 (480-141989-15), (480-141989-A-1 MS) and (480-141989-A-1 MSD).

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: 480-141989-1

Client Sample ID: MW8D091818 — Lab Sample ID: 480-141989-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.95	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.31	J	1.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	0.97	J	1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	333		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	225	B	10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	292	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.070	J H F1	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	2.9	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW8DD091818 — Lab Sample ID: 480-141989-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	208		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	1140		40.0	7.0	mg/L	20		300.0	Total/NA
Alkalinity, Bicarbonate	256	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Sulfide	0.060	J H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	3.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW8S091818 — Lab Sample ID: 480-141989-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.2		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	2.9		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	13.4		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	97.8		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	201	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.19		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	2.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW7D091818 — Lab Sample ID: 480-141989-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.92	J	1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.98	J	1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	46.9		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	105		4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	243	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.42		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.4	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW7S091818 — Lab Sample ID: 480-141989-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.28	J	1.0	0.19	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.47	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.2		1.0	0.46	ug/L	1		8260C	Total/NA
Chloride	58.3		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	115		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	264	B	40.0	16.0	mg/L	4		310.2_ASP	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: 480-141989-1

Client Sample ID: MW7S091818 (Continued) — Lab Sample ID: 480-141989-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	1.2		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.7	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW7DD091818 — Lab Sample ID: 480-141989-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260C	Total/NA
Cyclohexane	0.19	J	1.0	0.18	ug/L	1		8260C	Total/NA
Chloride	93.4		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	429		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	295	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.090	J H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	5.3	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW1S091818 — Lab Sample ID: 480-141989-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.44	J	1.0	0.44	ug/L	1		8260C	Total/NA
Chloride	1640		10.0	5.6	mg/L	20		300.0	Total/NA
Sulfate	409		40.0	7.0	mg/L	20		300.0	Total/NA
Alkalinity, Bicarbonate	300	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Nitrate as N	0.041	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	4.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW1D091818 — Lab Sample ID: 480-141989-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.78	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	172		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	298	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.060	J H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	2.7	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW10D091918 — Lab Sample ID: 480-141989-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.30	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	389		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	260		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Bicarbonate	261	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	2.7	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW10S091918 — Lab Sample ID: 480-141989-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.22	J	1.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	4.9		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	134		2.5	1.4	mg/L	5		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW10S091918 (Continued) — Lab Sample ID: 480-141989-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	480		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	396	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	3.5	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: X-1 091918 — Lab Sample ID: 480-141989-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	30		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.22	J	1.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	4.0		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	134		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	488		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	398	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Dissolved Organic Carbon - Duplicate	3.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW6D091918 — Lab Sample ID: 480-141989-12

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
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
Chloride	205		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	297		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	332	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.13	H	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: MW6DD091918 — Lab Sample ID: 480-141989-13

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	13		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.25	J	1.0	0.16	ug/L	1		8260C	Total/NA
Vinyl chloride	4.9		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	300		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	278		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	291	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.20	H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	3.0	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW4D091918 — Lab Sample ID: 480-141989-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.42	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	254		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	293		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	311	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.080	J H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	2.7	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: 480-141989-1

Client Sample ID: MW5D091918 — Lab Sample ID: 480-141989-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.50	J	1.0	0.38	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.43	J	1.0	0.16	ug/L	1		8260C	Total/NA
Chloride	191		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	193		10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	316	B	40.0	16.0	mg/L	4		310.2_ASP	Total/NA
Sulfide	0.050	J H	0.10	0.050	mg/L	1		SM 4500 S2 D	Total/NA
Dissolved Organic Carbon - Duplicate	3.2		1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: Trip Blank — Lab Sample ID: 480-141989-16

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: 480-141989-1

Client Sample ID: MW8D091818
Date Collected: 09/18/18 09:55
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-1
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			09/21/18 17:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/21/18 17:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/21/18 17:03	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/21/18 17:03	1
1,1-Dichloroethane	**0.95**	**J**	1.0	0.38	ug/L			09/21/18 17:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/21/18 17:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/21/18 17:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/21/18 17:03	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/21/18 17:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/21/18 17:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/21/18 17:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/21/18 17:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/21/18 17:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/21/18 17:03	1
2-Hexanone	ND		5.0	1.2	ug/L			09/21/18 17:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/21/18 17:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/21/18 17:03	1
Acetone	ND		10	3.0	ug/L			09/21/18 17:03	1
Benzene	ND		1.0	0.41	ug/L			09/21/18 17:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/21/18 17:03	1
Bromoform	ND		1.0	0.26	ug/L			09/21/18 17:03	1
Bromomethane	ND		1.0	0.69	ug/L			09/21/18 17:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/21/18 17:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/21/18 17:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/21/18 17:03	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/21/18 17:03	1
Chloroethane	ND		1.0	0.32	ug/L			09/21/18 17:03	1
Chloroform	ND		1.0	0.34	ug/L			09/21/18 17:03	1
Chloromethane	ND		1.0	0.35	ug/L			09/21/18 17:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/21/18 17:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/21/18 17:03	1
Cyclohexane	ND		1.0	0.18	ug/L			09/21/18 17:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/21/18 17:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/21/18 17:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/21/18 17:03	1
Methyl acetate	ND		1.3	1.3	ug/L			09/21/18 17:03	1
Methyl tert-butyl ether	**0.31**	**J**	1.0	0.16	ug/L			09/21/18 17:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/21/18 17:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/21/18 17:03	1
Styrene	ND		1.0	0.73	ug/L			09/21/18 17:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/21/18 17:03	1
Toluene	ND		1.0	0.51	ug/L			09/21/18 17:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/21/18 17:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/21/18 17:03	1
Trichloroethene	ND		1.0	0.46	ug/L			09/21/18 17:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/21/18 17:03	1
Vinyl chloride	**0.97**	**J**	1.0	0.90	ug/L			09/21/18 17:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/21/18 17:03	1

Client Sample ID: MW8D091818

Date Collected: 09/18/18 09:55
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/21/18 17:03*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/21/18 17:03*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*09/21/18 17:03*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*09/21/18 17:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**333**		2.5	1.4	mg/L			09/24/18 17:53	5
Sulfate	**225**	**B**	10.0	1.7	mg/L			09/24/18 17:53	5
Alkalinity, Bicarbonate	**292**	**B**	40.0	16.0	mg/L			09/27/18 15:39	4
Nitrate as N	ND	H	0.050	0.020	mg/L			09/20/18 10:17	1
Nitrite as N	ND	H	0.050	0.020	mg/L			09/20/18 10:17	1
Sulfide	**0.070**	**J H F1**	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.9**	**B**	1.0	0.43	mg/L			09/28/18 00:57	1

Client Sample ID: MW8DD091818

Date Collected: 09/18/18 10:15
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-2

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			09/21/18 17:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/21/18 17:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/21/18 17:30	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/21/18 17:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/21/18 17:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/21/18 17:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/21/18 17:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/21/18 17:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/21/18 17:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/21/18 17:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/21/18 17:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/21/18 17:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/21/18 17:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/21/18 17:30	1
2-Hexanone	ND		5.0	1.2	ug/L			09/21/18 17:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/21/18 17:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/21/18 17:30	1
Acetone	ND		10	3.0	ug/L			09/21/18 17:30	1
Benzene	ND		1.0	0.41	ug/L			09/21/18 17:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/21/18 17:30	1
Bromoform	ND		1.0	0.26	ug/L			09/21/18 17:30	1
Bromomethane	ND		1.0	0.69	ug/L			09/21/18 17:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/21/18 17:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/21/18 17:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/21/18 17:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/21/18 17:30	1

Client Sample ID: MW8DD091818

Date Collected: 09/18/18 10:15
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-2
Matrix: Water

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			09/21/18 17:30	1
Chloroform	ND		1.0	0.34	ug/L			09/21/18 17:30	1
Chloromethane	ND		1.0	0.35	ug/L			09/21/18 17:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/21/18 17:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/21/18 17:30	1
Cyclohexane	ND		1.0	0.18	ug/L			09/21/18 17:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/21/18 17:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/21/18 17:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/21/18 17:30	1
Methyl acetate	ND		1.3	1.3	ug/L			09/21/18 17:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/21/18 17:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/21/18 17:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/21/18 17:30	1
Styrene	ND		1.0	0.73	ug/L			09/21/18 17:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/21/18 17:30	1
Toluene	ND		1.0	0.51	ug/L			09/21/18 17:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/21/18 17:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/21/18 17:30	1
Trichloroethene	ND		1.0	0.46	ug/L			09/21/18 17:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/21/18 17:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/21/18 17:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/21/18 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*09/21/18 17:30*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*09/21/18 17:30*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/21/18 17:30*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/21/18 17:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		5.0	2.8	mg/L			09/27/18 18:15	10
Sulfate	**1140**		40.0	7.0	mg/L			10/03/18 18:34	20
Alkalinity, Bicarbonate	**256**	**B**	30.0	12.0	mg/L			09/27/18 15:18	3
Nitrate as N	ND		0.050	0.020	mg/L			09/20/18 10:09	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 10:09	1
Sulfide	**0.060**	**J H**	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.2**	**B**	1.0	0.43	mg/L			09/28/18 01:43	1

Client Sample ID: MW8S091818

Date Collected: 09/18/18 12:05
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-3
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			09/21/18 17:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/21/18 17:56	1

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

TestAmerica Job ID: 480-141989-1

Client Sample ID: MW8S091818
Date Collected: 09/18/18 12:05
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/21/18 17:56	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/21/18 17:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/21/18 17:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/21/18 17:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/21/18 17:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/21/18 17:56	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/21/18 17:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/21/18 17:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/21/18 17:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/21/18 17:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/21/18 17:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/21/18 17:56	1
2-Hexanone	ND		5.0	1.2	ug/L			09/21/18 17:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/21/18 17:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/21/18 17:56	1
Acetone	ND		10	3.0	ug/L			09/21/18 17:56	1
Benzene	ND		1.0	0.41	ug/L			09/21/18 17:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/21/18 17:56	1
Bromoform	ND		1.0	0.26	ug/L			09/21/18 17:56	1
Bromomethane	ND		1.0	0.69	ug/L			09/21/18 17:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/21/18 17:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/21/18 17:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/21/18 17:56	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/21/18 17:56	1
Chloroethane	ND		1.0	0.32	ug/L			09/21/18 17:56	1
Chloroform	ND		1.0	0.34	ug/L			09/21/18 17:56	1
Chloromethane	ND		1.0	0.35	ug/L			09/21/18 17:56	1
cis-1,2-Dichloroethene	**3.2**		1.0	0.81	ug/L			09/21/18 17:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/21/18 17:56	1
Cyclohexane	ND		1.0	0.18	ug/L			09/21/18 17:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/21/18 17:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/21/18 17:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/21/18 17:56	1
Methyl acetate	ND		1.3	1.3	ug/L			09/21/18 17:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/21/18 17:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/21/18 17:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/21/18 17:56	1
Styrene	ND		1.0	0.73	ug/L			09/21/18 17:56	1
Tetrachloroethene	**0.58**	**J**	1.0	0.36	ug/L			09/21/18 17:56	1
Toluene	ND		1.0	0.51	ug/L			09/21/18 17:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/21/18 17:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/21/18 17:56	1
Trichloroethene	**2.9**		1.0	0.46	ug/L			09/21/18 17:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/21/18 17:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/21/18 17:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/21/18 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/21/18 17:56*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/21/18 17:56*	*1*

Client Sample ID: MW8S091818

Date Collected: 09/18/18 12:05
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*09/21/18 17:56*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*09/21/18 17:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.4**		1.0	0.56	mg/L			09/27/18 18:23	2
Sulfate	**97.8**		4.0	0.70	mg/L			09/27/18 18:23	2
Alkalinity, Bicarbonate	**201**	**B**	30.0	12.0	mg/L			09/27/18 15:18	3
Nitrate as N	**0.19**		0.050	0.020	mg/L			09/20/18 10:28	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 10:28	1
Sulfide	ND	H	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.2**	**B**	1.0	0.43	mg/L			09/28/18 01:58	1

Client Sample ID: MW7D091818

Date Collected: 09/18/18 12:40
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-4

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			09/21/18 18:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/21/18 18:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/21/18 18:23	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/21/18 18:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/21/18 18:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/21/18 18:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/21/18 18:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/21/18 18:23	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/21/18 18:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/21/18 18:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/21/18 18:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/21/18 18:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/21/18 18:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/21/18 18:23	1
2-Hexanone	ND		5.0	1.2	ug/L			09/21/18 18:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/21/18 18:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/21/18 18:23	1
Acetone	ND		10	3.0	ug/L			09/21/18 18:23	1
Benzene	ND		1.0	0.41	ug/L			09/21/18 18:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/21/18 18:23	1
Bromoform	ND		1.0	0.26	ug/L			09/21/18 18:23	1
Bromomethane	ND		1.0	0.69	ug/L			09/21/18 18:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/21/18 18:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/21/18 18:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/21/18 18:23	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/21/18 18:23	1
Chloroethane	ND		1.0	0.32	ug/L			09/21/18 18:23	1

Client Sample ID: MW7D091818

Lab Sample ID: 480-141989-4

Date Collected: 09/18/18 12:40

Matrix: Water

Date Received: 09/19/18 17:00

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			09/21/18 18:23	1
Chloromethane	ND		1.0	0.35	ug/L			09/21/18 18:23	1
cis-1,2-Dichloroethene	**0.92**	**J**	1.0	0.81	ug/L			09/21/18 18:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/21/18 18:23	1
Cyclohexane	ND		1.0	0.18	ug/L			09/21/18 18:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/21/18 18:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/21/18 18:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/21/18 18:23	1
Methyl acetate	ND		1.3	1.3	ug/L			09/21/18 18:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/21/18 18:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/21/18 18:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/21/18 18:23	1
Styrene	ND		1.0	0.73	ug/L			09/21/18 18:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/21/18 18:23	1
Toluene	ND		1.0	0.51	ug/L			09/21/18 18:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/21/18 18:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/21/18 18:23	1
Trichloroethene	**0.98**	**J**	1.0	0.46	ug/L			09/21/18 18:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/21/18 18:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/21/18 18:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/21/18 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/21/18 18:23*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*09/21/18 18:23*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*09/21/18 18:23*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/21/18 18:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.9**		1.0	0.56	mg/L			09/27/18 18:31	2
Sulfate	**105**		4.0	0.70	mg/L			09/27/18 18:31	2
Alkalinity, Bicarbonate	**243**	**B**	30.0	12.0	mg/L			09/27/18 15:18	3
Nitrate as N	**0.42**		0.050	0.020	mg/L			09/20/18 10:29	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 10:29	1
Sulfide	ND	H	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.4**	**B**	1.0	0.43	mg/L			09/27/18 23:10	1

Client Sample ID: MW7S091818

Lab Sample ID: 480-141989-5

Date Collected: 09/18/18 14:20

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 12:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 12:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 12:13	1

Client Sample ID: MW7S091818
Date Collected: 09/18/18 14:20
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-5
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			09/20/18 12:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/18 12:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 12:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 12:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 12:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 12:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 12:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 12:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 12:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 12:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 12:13	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 12:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 12:13	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 12:13	1
Acetone	ND		10	3.0	ug/L			09/20/18 12:13	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 12:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 12:13	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 12:13	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 12:13	1
Carbon disulfide	**0.28**	**J**	1.0	0.19	ug/L			09/20/18 12:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 12:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 12:13	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 12:13	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 12:13	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 12:13	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 12:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/18 12:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 12:13	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 12:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 12:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 12:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 12:13	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 12:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/18 12:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 12:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 12:13	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 12:13	1
Tetrachloroethene	**0.47**	**J**	1.0	0.36	ug/L			09/20/18 12:13	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 12:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 12:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 12:13	1
Trichloroethene	**1.2**		1.0	0.46	ug/L			09/20/18 12:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 12:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/18 12:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*09/20/18 12:13*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/20/18 12:13*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*09/20/18 12:13*	*1*

Client Sample ID: MW7S091818

Lab Sample ID: 480-141989-5

Date Collected: 09/18/18 14:20

Matrix: Water

Date Received: 09/19/18 17:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/20/18 12:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.3**		2.5	1.4	mg/L			09/27/18 18:39	5
Sulfate	**115**		10.0	1.7	mg/L			09/27/18 18:39	5
Alkalinity, Bicarbonate	**264**	**B**	40.0	16.0	mg/L			09/27/18 15:26	4
Nitrate as N	**1.2**		0.050	0.020	mg/L			09/20/18 10:30	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 10:30	1
Sulfide	ND	H	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.7**	**B**	1.0	0.43	mg/L			09/28/18 02:13	1

Client Sample ID: MW7DD091818

Lab Sample ID: 480-141989-6

Date Collected: 09/18/18 14:00

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 12:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 12:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 12:40	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 12:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/18 12:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 12:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 12:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 12:40	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 12:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 12:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 12:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 12:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 12:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 12:40	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 12:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 12:40	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 12:40	1
Acetone	ND		10	3.0	ug/L			09/20/18 12:40	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 12:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 12:40	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 12:40	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 12:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 12:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 12:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 12:40	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 12:40	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 12:40	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 12:40	1

Client Sample ID: MW7DD091818

Lab Sample ID: 480-141989-6

Date Collected: 09/18/18 14:00

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 12:40	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			09/20/18 12:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 12:40	1
Cyclohexane	**0.19**	**J**	1.0	0.18	ug/L			09/20/18 12:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 12:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 12:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 12:40	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 12:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/18 12:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 12:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 12:40	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 12:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 12:40	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 12:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 12:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 12:40	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 12:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 12:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/18 12:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/20/18 12:40*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/20/18 12:40*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*09/20/18 12:40*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*09/20/18 12:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**93.4**		2.5	1.4	mg/L			09/27/18 18:47	5
Sulfate	**429**		10.0	1.7	mg/L			09/27/18 18:47	5
Alkalinity, Bicarbonate	**295**	**B**	40.0	16.0	mg/L			09/27/18 15:26	4
Nitrate as N	ND		0.050	0.020	mg/L			09/20/18 10:16	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 10:16	1
Sulfide	**0.090**	**J H**	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**5.3**	**B**	1.0	0.43	mg/L			09/28/18 02:28	1

Client Sample ID: MW1S091818

Lab Sample ID: 480-141989-7

Date Collected: 09/18/18 16:20

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 13:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 13:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 13:07	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 13:07	1

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

TestAmerica Job ID: 480-141989-1

Client Sample ID: MW1S091818
Date Collected: 09/18/18 16:20
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/18 13:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 13:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 13:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 13:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 13:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 13:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 13:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 13:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 13:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 13:07	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 13:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 13:07	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 13:07	1
Acetone	ND		10	3.0	ug/L			09/20/18 13:07	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 13:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 13:07	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 13:07	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 13:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 13:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 13:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 13:07	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 13:07	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 13:07	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 13:07	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 13:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/18 13:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 13:07	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 13:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 13:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 13:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 13:07	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 13:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/18 13:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 13:07	1
Methylene Chloride	**0.44**	**J**	1.0	0.44	ug/L			09/20/18 13:07	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 13:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 13:07	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 13:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 13:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 13:07	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 13:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 13:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/18 13:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*09/20/18 13:07*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*09/20/18 13:07*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*09/20/18 13:07*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/20/18 13:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1640		10.0	5.6	mg/L			09/27/18 18:55	20
Sulfate	409		40.0	7.0	mg/L			09/27/18 18:55	20
Alkalinity, Bicarbonate	300	B	40.0	16.0	mg/L			09/27/18 15:26	4
Nitrate as N	0.041	J	0.050	0.020	mg/L			09/20/18 14:05	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 14:05	1
Sulfide	ND	H	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	4.2	B	1.0	0.43	mg/L			09/28/18 02:44	1

Client Sample ID: MW1D091818

Date Collected: 09/18/18 16:25
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-8
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			09/20/18 13:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 13:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 13:33	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 13:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/18 13:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 13:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 13:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 13:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 13:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 13:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 13:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 13:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 13:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 13:33	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 13:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 13:33	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 13:33	1
Acetone	ND		10	3.0	ug/L			09/20/18 13:33	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 13:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 13:33	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 13:33	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 13:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 13:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 13:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 13:33	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 13:33	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 13:33	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 13:33	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 13:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/18 13:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 13:33	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 13:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 13:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 13:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 13:33	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 13:33	1

Client Sample ID: MW1D091818

Date Collected: 09/18/18 16:25
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-8
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	0.78	J	1.0	0.16	ug/L			09/20/18 13:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 13:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 13:33	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 13:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 13:33	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 13:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 13:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 13:33	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 13:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 13:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/18 13:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/20/18 13:33*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/20/18 13:33*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*09/20/18 13:33*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/20/18 13:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		2.5	1.4	mg/L			09/25/18 11:19	5
Sulfate	172		10.0	1.7	mg/L			09/25/18 11:19	5
Alkalinity, Bicarbonate	298	B	40.0	16.0	mg/L			09/27/18 15:29	4
Nitrate as N	ND		0.050	0.020	mg/L			09/20/18 14:06	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 14:06	1
Sulfide	0.060	J H	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	2.7	B	1.0	0.43	mg/L			09/28/18 02:59	1

Client Sample ID: MW10D091918

Date Collected: 09/19/18 08:40
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-9
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			09/20/18 14:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 14:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 14:00	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 14:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/18 14:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 14:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 14:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 14:00	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 14:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 14:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 14:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 14:00	1

Client Sample ID: MW10D091918
Date Collected: 09/19/18 08:40
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-9
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			09/20/18 14:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 14:00	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 14:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 14:00	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 14:00	1
Acetone	ND		10	3.0	ug/L			09/20/18 14:00	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 14:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 14:00	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 14:00	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 14:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 14:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 14:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 14:00	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 14:00	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 14:00	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 14:00	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 14:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/18 14:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 14:00	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 14:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 14:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 14:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 14:00	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 14:00	1
Methyl tert-butyl ether	**0.30**	**J**	1.0	0.16	ug/L			09/20/18 14:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 14:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 14:00	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 14:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 14:00	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 14:00	1
trans-1,2-Dichloroethene	ND	F1	1.0	0.90	ug/L			09/20/18 14:00	1
trans-1,3-Dichloropropene	ND	F1	1.0	0.37	ug/L			09/20/18 14:00	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 14:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 14:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/18 14:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*09/20/18 14:00*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*09/20/18 14:00*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*09/20/18 14:00*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/20/18 14:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**389**		5.0	2.8	mg/L			09/25/18 12:00	10
Sulfate	**260**		20.0	3.5	mg/L			09/25/18 12:00	10
Alkalinity, Bicarbonate	**261**	**B**	40.0	16.0	mg/L			09/27/18 15:26	4
Nitrate as N	ND		0.050	0.020	mg/L			09/20/18 19:47	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 19:47	1

Client Sample ID: MW10D091918

Lab Sample ID: 480-141989-9

Date Collected: 09/19/18 08:40

Matrix: Water

Date Received: 09/19/18 17:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND	H F1	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.7**	**B**	1.0	0.43	mg/L			09/28/18 05:16	1

Client Sample ID: MW10S091918

Lab Sample ID: 480-141989-10

Date Collected: 09/19/18 10:45

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 14:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 14:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 14:27	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 14:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/18 14:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 14:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 14:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 14:27	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 14:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 14:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 14:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 14:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 14:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 14:27	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 14:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 14:27	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 14:27	1
Acetone	ND		10	3.0	ug/L			09/20/18 14:27	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 14:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 14:27	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 14:27	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 14:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 14:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 14:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 14:27	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 14:27	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 14:27	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 14:27	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 14:27	1
cis-1,2-Dichloroethene	**37**		1.0	0.81	ug/L			09/20/18 14:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 14:27	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 14:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 14:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 14:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 14:27	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 14:27	1
Methyl tert-butyl ether	**0.22**	**J**	1.0	0.16	ug/L			09/20/18 14:27	1

Client Sample ID: MW10S091918

Lab Sample ID: 480-141989-10

Date Collected: 09/19/18 10:45

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 14:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 14:27	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 14:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 14:27	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 14:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 14:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 14:27	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 14:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 14:27	1
Vinyl chloride	**4.9**		1.0	0.90	ug/L			09/20/18 14:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/20/18 14:27*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/20/18 14:27*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*09/20/18 14:27*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/20/18 14:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		2.5	1.4	mg/L			09/25/18 11:27	5
Sulfate	**480**		10.0	1.7	mg/L			09/25/18 11:27	5
Alkalinity, Bicarbonate	**396**	**B**	40.0	16.0	mg/L			09/27/18 15:29	4
Nitrate as N	ND		0.050	0.020	mg/L			09/20/18 16:00	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 16:00	1
Sulfide	ND	H	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.5**	**B**	1.0	0.43	mg/L			09/28/18 03:14	1

Client Sample ID: X-1 091918

Lab Sample ID: 480-141989-11

Date Collected: 09/19/18 00:00

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 14:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 14:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 14:54	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 14:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/18 14:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 14:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 14:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 14:54	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 14:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 14:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 14:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 14:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 14:54	1

Client Sample ID: X-1 091918
Date Collected: 09/19/18 00:00
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-11
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			09/20/18 14:54	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 14:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 14:54	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 14:54	1
Acetone	ND		10	3.0	ug/L			09/20/18 14:54	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 14:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 14:54	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 14:54	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 14:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 14:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 14:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 14:54	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 14:54	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 14:54	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 14:54	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 14:54	1
cis-1,2-Dichloroethene	**30**		1.0	0.81	ug/L			09/20/18 14:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 14:54	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 14:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 14:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 14:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 14:54	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 14:54	1
Methyl tert-butyl ether	**0.22**	**J**	1.0	0.16	ug/L			09/20/18 14:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 14:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 14:54	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 14:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 14:54	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 14:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 14:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 14:54	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 14:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 14:54	1
Vinyl chloride	**4.0**		1.0	0.90	ug/L			09/20/18 14:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*09/20/18 14:54*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*09/20/18 14:54*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*09/20/18 14:54*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/20/18 14:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		2.5	1.4	mg/L			09/25/18 11:36	5
Sulfate	**488**		10.0	1.7	mg/L			09/25/18 11:36	5
Alkalinity, Bicarbonate	**398**	**B**	40.0	16.0	mg/L			09/27/18 15:29	4
Nitrate as N	ND		0.050	0.020	mg/L			09/20/18 16:01	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 16:01	1
Sulfide	ND	H	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	3.2	B	1.0	0.43	mg/L			09/27/18 23:56	1

Client Sample ID: MW6D091918

Lab Sample ID: 480-141989-12

Date Collected: 09/19/18 10:45

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 15:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 15:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 15:20	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 15:20	1
1,1-Dichloroethane	0.62	J	1.0	0.38	ug/L			09/20/18 15:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 15:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 15:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 15:20	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 15:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 15:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 15:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 15:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 15:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 15:20	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 15:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 15:20	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 15:20	1
Acetone	ND		10	3.0	ug/L			09/20/18 15:20	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 15:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 15:20	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 15:20	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 15:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 15:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 15:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 15:20	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 15:20	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 15:20	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 15:20	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 15:20	1
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L			09/20/18 15:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 15:20	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 15:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 15:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 15:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 15:20	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 15:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/18 15:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 15:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 15:20	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 15:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 15:20	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 15:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 15:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 15:20	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 15:20	1

Client Sample ID: MW6D091918

Lab Sample ID: 480-141989-12

Date Collected: 09/19/18 10:45

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 15:20	1
Vinyl chloride	**1.3**		1.0	0.90	ug/L			09/20/18 15:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*09/20/18 15:20*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/20/18 15:20*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*09/20/18 15:20*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/20/18 15:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**205**		2.5	1.4	mg/L			09/25/18 11:44	5
Sulfate	**297**		10.0	1.7	mg/L			09/25/18 11:44	5
Alkalinity, Bicarbonate	**332**	**B**	40.0	16.0	mg/L			09/27/18 15:29	4
Nitrate as N	ND		0.050	0.020	mg/L			09/20/18 16:02	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 16:02	1
Sulfide	**0.13**	**H**	0.10	0.050	mg/L			09/25/18 18:00	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			09/28/18 03:30	1

Client Sample ID: MW6DD091918

Lab Sample ID: 480-141989-13

Date Collected: 09/19/18 12:55

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 15:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 15:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 15:47	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 15:47	1
1,1-Dichloroethane	**0.51**	**J**	1.0	0.38	ug/L			09/20/18 15:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 15:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 15:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 15:47	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 15:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 15:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 15:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 15:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 15:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 15:47	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 15:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 15:47	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 15:47	1
Acetone	ND		10	3.0	ug/L			09/20/18 15:47	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 15:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 15:47	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 15:47	1

Client Sample ID: MW6DD091918
Date Collected: 09/19/18 12:55
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-13
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			09/20/18 15:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 15:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 15:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 15:47	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 15:47	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 15:47	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 15:47	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 15:47	1
cis-1,2-Dichloroethene	**13**		1.0	0.81	ug/L			09/20/18 15:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 15:47	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 15:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 15:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 15:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 15:47	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 15:47	1
Methyl tert-butyl ether	**0.25**	**J**	1.0	0.16	ug/L			09/20/18 15:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 15:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 15:47	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 15:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 15:47	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 15:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 15:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 15:47	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 15:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 15:47	1
Vinyl chloride	**4.9**		1.0	0.90	ug/L			09/20/18 15:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*09/20/18 15:47*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*09/20/18 15:47*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/20/18 15:47*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/20/18 15:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		2.5	1.4	mg/L			09/25/18 11:52	5
Sulfate	**278**		10.0	1.7	mg/L			09/25/18 11:52	5
Alkalinity, Bicarbonate	**291**	**B**	40.0	16.0	mg/L			09/27/18 15:29	4
Nitrate as N	ND		0.050	0.020	mg/L			09/20/18 16:03	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 16:03	1
Sulfide	**0.20**	**H**	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.0**	**B**	1.0	0.43	mg/L			09/28/18 03:45	1

Client Sample ID: MW4D091918
Date Collected: 09/19/18 13:05
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-14
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			09/20/18 16:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 16:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 16:14	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 16:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/18 16:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 16:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 16:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 16:14	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 16:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 16:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 16:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 16:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 16:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 16:14	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 16:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 16:14	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 16:14	1
Acetone	ND		10	3.0	ug/L			09/20/18 16:14	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 16:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 16:14	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 16:14	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 16:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 16:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 16:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 16:14	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 16:14	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 16:14	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 16:14	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 16:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/18 16:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 16:14	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 16:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 16:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 16:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 16:14	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 16:14	1
Methyl tert-butyl ether	**0.42**	**J**	1.0	0.16	ug/L			09/20/18 16:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 16:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 16:14	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 16:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 16:14	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 16:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 16:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 16:14	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 16:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 16:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/18 16:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 16:14	1

Client Sample ID: MW4D091918

Lab Sample ID: 480-141989-14

Date Collected: 09/19/18 13:05

Matrix: Water

Date Received: 09/19/18 17:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*09/20/18 16:14*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*09/20/18 16:14*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*09/20/18 16:14*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/20/18 16:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**254**		2.5	1.4	mg/L			09/25/18 12:41	5
Sulfate	**293**		10.0	1.7	mg/L			09/25/18 12:41	5
Alkalinity, Bicarbonate	**311**	**B**	40.0	16.0	mg/L			09/27/18 15:29	4
Nitrate as N	ND		0.050	0.020	mg/L			09/20/18 16:09	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 16:09	1
Sulfide	**0.080**	**J H**	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**2.7**	**B**	1.0	0.43	mg/L			09/28/18 04:00	1

Client Sample ID: MW5D091918

Lab Sample ID: 480-141989-15

Date Collected: 09/19/18 14:55

Matrix: Water

Date Received: 09/19/18 17:00

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			09/20/18 16:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 16:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 16:41	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 16:41	1
1,1-Dichloroethane	**0.50**	**J**	1.0	0.38	ug/L			09/20/18 16:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 16:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 16:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 16:41	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 16:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 16:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 16:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 16:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 16:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 16:41	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 16:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 16:41	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			09/20/18 16:41	1
Acetone	ND		10	3.0	ug/L			09/20/18 16:41	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 16:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 16:41	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 16:41	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 16:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 16:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 16:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 16:41	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 16:41	1

Client Sample ID: MW5D091918

Lab Sample ID: 480-141989-15
Date Collected: 09/19/18 14:55
Matrix: Water
Date Received: 09/19/18 17:00

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			09/20/18 16:41	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 16:41	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 16:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/18 16:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 16:41	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 16:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 16:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 16:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 16:41	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 16:41	1
Methyl tert-butyl ether	**0.43**	**J**	1.0	0.16	ug/L			09/20/18 16:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 16:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 16:41	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 16:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 16:41	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 16:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 16:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 16:41	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 16:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 16:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/18 16:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*09/20/18 16:41*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*09/20/18 16:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*09/20/18 16:41*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/20/18 16:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**		2.5	1.4	mg/L			09/25/18 12:49	5
Sulfate	**193**		10.0	1.7	mg/L			09/25/18 12:49	5
Alkalinity, Bicarbonate	**316**	**B**	40.0	16.0	mg/L			09/27/18 15:29	4
Nitrate as N	ND		0.050	0.020	mg/L			09/20/18 16:10	1
Nitrite as N	ND		0.050	0.020	mg/L			09/20/18 16:10	1
Sulfide	**0.050**	**J H**	0.10	0.050	mg/L			09/25/18 18:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	**3.2**		1.0	0.43	mg/L			10/02/18 23:44	1

Client Sample ID: Trip Blank

Lab Sample ID: 480-141989-16
Date Collected: 09/19/18 00:00
Matrix: Water
Date Received: 09/19/18 17:00

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			09/26/18 00:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/26/18 00:43	1

Client Sample ID: Trip Blank
Date Collected: 09/19/18 00:00
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/26/18 00:43	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/26/18 00:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/26/18 00:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/26/18 00:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/26/18 00:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/26/18 00:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/26/18 00:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/26/18 00:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/26/18 00:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/26/18 00:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/26/18 00:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/26/18 00:43	1
2-Hexanone	ND		5.0	1.2	ug/L			09/26/18 00:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/26/18 00:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/26/18 00:43	1
Acetone	ND		10	3.0	ug/L			09/26/18 00:43	1
Benzene	ND		1.0	0.41	ug/L			09/26/18 00:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/26/18 00:43	1
Bromoform	ND		1.0	0.26	ug/L			09/26/18 00:43	1
Bromomethane	ND		1.0	0.69	ug/L			09/26/18 00:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/26/18 00:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/26/18 00:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/26/18 00:43	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/26/18 00:43	1
Chloroethane	ND		1.0	0.32	ug/L			09/26/18 00:43	1
Chloroform	ND		1.0	0.34	ug/L			09/26/18 00:43	1
Chloromethane	ND		1.0	0.35	ug/L			09/26/18 00:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/26/18 00:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/26/18 00:43	1
Cyclohexane	ND		1.0	0.18	ug/L			09/26/18 00:43	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			09/26/18 00:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/26/18 00:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/26/18 00:43	1
Methyl acetate	ND		1.3	1.3	ug/L			09/26/18 00:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/26/18 00:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/26/18 00:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/26/18 00:43	1
Styrene	ND		1.0	0.73	ug/L			09/26/18 00:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/26/18 00:43	1
Toluene	ND		1.0	0.51	ug/L			09/26/18 00:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/26/18 00:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/26/18 00:43	1
Trichloroethene	ND		1.0	0.46	ug/L			09/26/18 00:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/26/18 00:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/26/18 00:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/26/18 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*09/26/18 00:43*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*09/26/18 00:43*	*1*

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

TestAmerica Job ID: 480-141989-1

Client Sample ID: Trip Blank
Date Collected: 09/19/18 00:00
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-16
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		73 - 120		09/26/18 00:43	1
Dibromofluoromethane (Surr)	90		75 - 123		09/26/18 00:43	1

Surrogate Summary

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

TestAmerica Job ID: 480-141989-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-141989-1	MW8D091818	100	95	113	115
480-141989-2	MW8DD091818	96	88	105	108
480-141989-3	MW8S091818	100	95	113	109
480-141989-4	MW7D091818	98	90	108	106
480-141989-5	MW7S091818	91	95	109	105
480-141989-6	MW7DD091818	101	96	113	111
480-141989-7	MW1S091818	90	92	106	102
480-141989-8	MW1D091818	99	96	109	105
480-141989-9	MW10D091918	94	87	103	102
480-141989-9 MS	MW10D091918	92	96	111	102
480-141989-9 MSD	MW10D091918	88	92	103	103
480-141989-10	MW10S091918	98	96	108	105
480-141989-11	X-1 091918	88	89	104	98
480-141989-12	MW6D091918	95	96	115	106
480-141989-13	MW6DD091918	94	90	105	101
480-141989-14	MW4D091918	97	93	110	105
480-141989-15	MW5D091918	91	88	102	98
480-141989-16	Trip Blank	87	90	103	90
LCS 480-435314/5	Lab Control Sample	87	93	108	96
LCS 480-435491/5	Lab Control Sample	97	97	112	107
LCS 480-436169/5	Lab Control Sample	86	91	99	84
MB 480-435314/7	Method Blank	88	88	101	99
MB 480-435491/7	Method Blank	100	98	112	109
MB 480-436169/7	Method Blank	82	90	104	81

Surrogate Legend

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

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

Lab Sample ID: MB 480-435314/7
Matrix: Water
Analysis Batch: 435314

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			09/20/18 11:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/18 11:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/18 11:30	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/20/18 11:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/18 11:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/18 11:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/18 11:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/18 11:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/20/18 11:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/18 11:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/18 11:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/18 11:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/18 11:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/18 11:30	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/18 11:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/18 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/18 11:30	1
Acetone	ND		10	3.0	ug/L			09/20/18 11:30	1
Benzene	ND		1.0	0.41	ug/L			09/20/18 11:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/18 11:30	1
Bromoform	ND		1.0	0.26	ug/L			09/20/18 11:30	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/18 11:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/18 11:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/18 11:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/18 11:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/20/18 11:30	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/18 11:30	1
Chloroform	ND		1.0	0.34	ug/L			09/20/18 11:30	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/18 11:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/18 11:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/18 11:30	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/18 11:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/18 11:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/18 11:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/18 11:30	1
Methyl acetate	ND		1.3	1.3	ug/L			09/20/18 11:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/18 11:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/18 11:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/18 11:30	1
Styrene	ND		1.0	0.73	ug/L			09/20/18 11:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/18 11:30	1
Toluene	ND		1.0	0.51	ug/L			09/20/18 11:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/18 11:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/18 11:30	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/18 11:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/18 11:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/18 11:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/18 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		09/20/18 11:30	1
Toluene-d8 (Surr)	88		80 - 120		09/20/18 11:30	1
4-Bromofluorobenzene (Surr)	101		73 - 120		09/20/18 11:30	1
Dibromofluoromethane (Surr)	99		75 - 123		09/20/18 11:30	1

Lab Sample ID: LCS 480-435314/5
Matrix: Water
Analysis Batch: 435314

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.1		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.1		ug/L		84	76 - 120
1,1,2-Trichloroethane	25.0	23.1		ug/L		92	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	27.2		ug/L		109	61 - 148
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	26.1		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	23.0		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	16.3		ug/L		65	56 - 134
1,2-Dibromoethane (EDB)	25.0	23.8		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	24.1		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	21.6		ug/L		86	75 - 120
1,2-Dichloropropane	25.0	25.7		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Hexanone	125	88.6		ug/L		71	65 - 127
2-Butanone (MEK)	125	102		ug/L		81	57 - 140
4-Methyl-2-pentanone (MIBK)	125	88.0	*	ug/L		70	71 - 125
Acetone	125	87.9		ug/L		70	56 - 142
Benzene	25.0	27.2		ug/L		109	71 - 124
Bromodichloromethane	25.0	23.4		ug/L		93	80 - 122
Bromoform	25.0	19.7		ug/L		79	61 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144
Carbon disulfide	25.0	27.5		ug/L		110	59 - 134
Carbon tetrachloride	25.0	23.6		ug/L		94	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Chlorodibromomethane	25.0	21.2		ug/L		85	75 - 125
Chloroethane	25.0	22.1		ug/L		88	69 - 136
Chloroform	25.0	25.1		ug/L		100	73 - 127
Chloromethane	25.0	22.4		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	26.6		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	74 - 124
Cyclohexane	25.0	24.7		ug/L		99	59 - 135
Dichlorodifluoromethane	25.0	19.8		ug/L		79	59 - 135
Ethylbenzene	25.0	25.9		ug/L		104	77 - 123
Isopropylbenzene	25.0	22.6		ug/L		90	77 - 122
Methyl acetate	50.0	38.3		ug/L		77	74 - 133
Methyl tert-butyl ether	25.0	23.6		ug/L		95	77 - 120
Methylcyclohexane	25.0	25.7		ug/L		103	68 - 134
Methylene Chloride	25.0	24.5		ug/L		98	75 - 124
Styrene	25.0	26.7		ug/L		107	80 - 120
Tetrachloroethene	25.0	25.5		ug/L		102	74 - 122
Toluene	25.0	25.1		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	27.2		ug/L		109	73 - 127
trans-1,3-Dichloropropene	25.0	21.3		ug/L		85	80 - 120

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

Lab Sample ID: LCS 480-435314/5
Matrix: Water
Analysis Batch: 435314

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	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	24.6		ug/L		98	62 - 150
Vinyl chloride	25.0	24.5		ug/L		98	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

Lab Sample ID: 480-141989-9 MS
Matrix: Water
Analysis Batch: 435314

Client Sample ID: MW10D091918
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	29.6		ug/L		118	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	22.2		ug/L		89	76 - 120
1,1,2-Trichloroethane	ND		25.0	25.0		ug/L		100	76 - 122
1,1,2-Trichlorotrifluoroethane	ND		25.0	29.7		ug/L		119	61 - 148
1,1-Dichloroethane	ND		25.0	28.9		ug/L		116	77 - 120
1,1-Dichloroethene	ND		25.0	31.7		ug/L		127	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	24.6		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	17.6		ug/L		70	56 - 134
1,2-Dibromoethane (EDB)	ND		25.0	25.2		ug/L		101	77 - 120
1,2-Dichlorobenzene	ND		25.0	25.8		ug/L		103	80 - 124
1,2-Dichloroethane	ND		25.0	23.3		ug/L		93	75 - 120
1,2-Dichloropropane	ND		25.0	28.5		ug/L		114	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.9		ug/L		104	77 - 120
1,4-Dichlorobenzene	ND		25.0	25.7		ug/L		103	78 - 124
2-Hexanone	ND		125	91.7		ug/L		73	65 - 127
2-Butanone (MEK)	ND		125	106		ug/L		85	57 - 140
4-Methyl-2-pentanone (MIBK)	ND	*	125	90.6		ug/L		72	71 - 125
Acetone	ND		125	93.3		ug/L		75	56 - 142
Benzene	ND		25.0	30.3		ug/L		121	71 - 124
Bromodichloromethane	ND		25.0	26.2		ug/L		105	80 - 122
Bromoform	ND		25.0	23.4		ug/L		94	61 - 132
Bromomethane	ND		25.0	25.5		ug/L		102	55 - 144
Carbon disulfide	ND		25.0	32.2		ug/L		129	59 - 134
Carbon tetrachloride	ND		25.0	28.4		ug/L		114	72 - 134
Chlorobenzene	ND		25.0	27.6		ug/L		110	80 - 120
Chlorodibromomethane	ND		25.0	23.2		ug/L		93	75 - 125
Chloroethane	ND		25.0	26.7		ug/L		107	69 - 136
Chloroform	ND		25.0	28.0		ug/L		112	73 - 127
Chloromethane	ND		25.0	26.0		ug/L		104	68 - 124
cis-1,2-Dichloroethene	ND		25.0	29.4		ug/L		118	74 - 124
cis-1,3-Dichloropropene	ND		25.0	24.2		ug/L		97	74 - 124
Cyclohexane	ND		25.0	28.1		ug/L		113	59 - 135
Dichlorodifluoromethane	ND		25.0	23.1		ug/L		93	59 - 135

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

Lab Sample ID: 480-141989-9 MS
Matrix: Water
Analysis Batch: 435314

Client Sample ID: MW10D091918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND		25.0	28.2		ug/L		113	77 - 123
Isopropylbenzene	ND		25.0	25.5		ug/L		102	77 - 122
Methyl acetate	ND		50.0	40.3		ug/L		81	74 - 133
Methyl tert-butyl ether	0.30	J	25.0	25.7		ug/L		102	77 - 120
Methylcyclohexane	ND		25.0	28.4		ug/L		113	68 - 134
Methylene Chloride	ND		25.0	27.4		ug/L		109	75 - 124
Styrene	ND		25.0	28.5		ug/L		114	80 - 120
Tetrachloroethene	ND		25.0	29.4		ug/L		118	74 - 122
Toluene	ND		25.0	28.2		ug/L		113	80 - 122
trans-1,2-Dichloroethene	ND	F1	25.0	32.0	F1	ug/L		128	73 - 127
trans-1,3-Dichloropropene	ND	F1	25.0	21.2		ug/L		85	80 - 120
Trichloroethene	ND		25.0	29.8		ug/L		119	74 - 123
Trichlorofluoromethane	ND		25.0	29.5		ug/L		118	62 - 150
Vinyl chloride	ND		25.0	28.9		ug/L		116	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-141989-9 MSD
Matrix: Water
Analysis Batch: 435314

Client Sample ID: MW10D091918
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	29.7		ug/L		119	73 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		25.0	21.6		ug/L		86	76 - 120	3	15
1,1,2-Trichloroethane	ND		25.0	23.3		ug/L		93	76 - 122	7	15
1,1,2-Trichlorotrifluoroethane	ND		25.0	28.5		ug/L		114	61 - 148	4	20
1,1-Dichloroethane	ND		25.0	27.7		ug/L		111	77 - 120	4	20
1,1-Dichloroethene	ND		25.0	30.8		ug/L		123	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		25.0	23.8		ug/L		95	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	ND		25.0	16.5		ug/L		66	56 - 134	6	15
1,2-Dibromoethane (EDB)	ND		25.0	23.2		ug/L		93	77 - 120	8	15
1,2-Dichlorobenzene	ND		25.0	24.6		ug/L		99	80 - 124	5	20
1,2-Dichloroethane	ND		25.0	23.0		ug/L		92	75 - 120	1	20
1,2-Dichloropropane	ND		25.0	27.0		ug/L		108	76 - 120	5	20
1,3-Dichlorobenzene	ND		25.0	24.8		ug/L		99	77 - 120	5	20
1,4-Dichlorobenzene	ND		25.0	24.7		ug/L		99	78 - 124	4	20
2-Hexanone	ND		125	86.5		ug/L		69	65 - 127	6	15
2-Butanone (MEK)	ND		125	103		ug/L		82	57 - 140	3	20
4-Methyl-2-pentanone (MIBK)	ND	*	125	88.3		ug/L		71	71 - 125	3	35
Acetone	ND		125	92.6		ug/L		74	56 - 142	1	15
Benzene	ND		25.0	29.2		ug/L		117	71 - 124	4	13
Bromodichloromethane	ND		25.0	24.9		ug/L		100	80 - 122	5	15
Bromoform	ND		25.0	21.8		ug/L		87	61 - 132	7	15
Bromomethane	ND		25.0	25.9		ug/L		104	55 - 144	2	15

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

Lab Sample ID: 480-141989-9 MSD
Matrix: Water
Analysis Batch: 435314

Client Sample ID: MW10D091918
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	32.1		ug/L		128	59 - 134	0	15
Carbon tetrachloride	ND		25.0	28.0		ug/L		112	72 - 134	2	15
Chlorobenzene	ND		25.0	25.4		ug/L		102	80 - 120	8	25
Chlorodibromomethane	ND		25.0	21.8		ug/L		87	75 - 125	6	15
Chloroethane	ND		25.0	27.0		ug/L		108	69 - 136	1	15
Chloroform	ND		25.0	27.3		ug/L		109	73 - 127	3	20
Chloromethane	ND		25.0	25.7		ug/L		103	68 - 124	1	15
cis-1,2-Dichloroethene	ND		25.0	29.4		ug/L		118	74 - 124	0	15
cis-1,3-Dichloropropene	ND		25.0	23.6		ug/L		94	74 - 124	3	15
Cyclohexane	ND		25.0	27.9		ug/L		112	59 - 135	1	20
Dichlorodifluoromethane	ND		25.0	22.8		ug/L		91	59 - 135	2	20
Ethylbenzene	ND		25.0	26.5		ug/L		106	77 - 123	6	15
Isopropylbenzene	ND		25.0	24.5		ug/L		98	77 - 122	4	20
Methyl acetate	ND		50.0	37.3		ug/L		75	74 - 133	8	20
Methyl tert-butyl ether	0.30	J	25.0	25.7		ug/L		102	77 - 120	0	37
Methylcyclohexane	ND		25.0	28.4		ug/L		114	68 - 134	0	20
Methylene Chloride	ND		25.0	26.8		ug/L		107	75 - 124	2	15
Styrene	ND		25.0	26.4		ug/L		106	80 - 120	7	20
Tetrachloroethene	ND		25.0	27.3		ug/L		109	74 - 122	7	20
Toluene	ND		25.0	25.8		ug/L		103	80 - 122	9	15
trans-1,2-Dichloroethene	ND	F1	25.0	30.7		ug/L		123	73 - 127	4	20
trans-1,3-Dichloropropene	ND	F1	25.0	19.3	F1	ug/L		77	80 - 120	9	15
Trichloroethene	ND		25.0	28.1		ug/L		112	74 - 123	6	16
Trichlorofluoromethane	ND		25.0	30.3		ug/L		121	62 - 150	3	20
Vinyl chloride	ND		25.0	29.2		ug/L		117	65 - 133	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*
Toluene-d8 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: MB 480-435491/7
Matrix: Water
Analysis Batch: 435491

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			09/21/18 10:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/21/18 10:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/21/18 10:41	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/21/18 10:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/21/18 10:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/21/18 10:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/21/18 10:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/21/18 10:41	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/21/18 10:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/21/18 10:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/21/18 10:41	1

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

Lab Sample ID: MB 480-435491/7
Matrix: Water
Analysis Batch: 435491

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			09/21/18 10:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/21/18 10:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/21/18 10:41	1
2-Hexanone	ND		5.0	1.2	ug/L			09/21/18 10:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/21/18 10:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/21/18 10:41	1
Acetone	ND		10	3.0	ug/L			09/21/18 10:41	1
Benzene	ND		1.0	0.41	ug/L			09/21/18 10:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/21/18 10:41	1
Bromoform	ND		1.0	0.26	ug/L			09/21/18 10:41	1
Bromomethane	ND		1.0	0.69	ug/L			09/21/18 10:41	1
Carbon disulfide	0.263	J	1.0	0.19	ug/L			09/21/18 10:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/21/18 10:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/21/18 10:41	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/21/18 10:41	1
Chloroethane	ND		1.0	0.32	ug/L			09/21/18 10:41	1
Chloroform	ND		1.0	0.34	ug/L			09/21/18 10:41	1
Chloromethane	ND		1.0	0.35	ug/L			09/21/18 10:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/21/18 10:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/21/18 10:41	1
Cyclohexane	ND		1.0	0.18	ug/L			09/21/18 10:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/21/18 10:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/21/18 10:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/21/18 10:41	1
Methyl acetate	ND		1.3	1.3	ug/L			09/21/18 10:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/21/18 10:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/21/18 10:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/21/18 10:41	1
Styrene	ND		1.0	0.73	ug/L			09/21/18 10:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/21/18 10:41	1
Toluene	ND		1.0	0.51	ug/L			09/21/18 10:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/21/18 10:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/21/18 10:41	1
Trichloroethene	ND		1.0	0.46	ug/L			09/21/18 10:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/21/18 10:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/21/18 10:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/21/18 10:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/21/18 10:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/21/18 10:41*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*09/21/18 10:41*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*09/21/18 10:41*	*1*

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

Lab Sample ID: LCS 480-435491/5
Matrix: Water
Analysis Batch: 435491

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	28.7		ug/L		115	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.3		ug/L		89	76 - 120
1,1,2-Trichloroethane	25.0	24.6		ug/L		99	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	29.5		ug/L		118	61 - 148
1,1-Dichloroethane	25.0	27.1		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	28.6		ug/L		114	66 - 127
1,2,4-Trichlorobenzene	25.0	23.6		ug/L		94	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	17.2		ug/L		69	56 - 134
1,2-Dibromoethane (EDB)	25.0	25.5		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	27.4		ug/L		109	76 - 120
1,3-Dichlorobenzene	25.0	25.4		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 120
2-Hexanone	125	93.9		ug/L		75	65 - 127
2-Butanone (MEK)	125	110		ug/L		88	57 - 140
4-Methyl-2-pentanone (MIBK)	125	95.3		ug/L		76	71 - 125
Acetone	125	97.7		ug/L		78	56 - 142
Benzene	25.0	29.3		ug/L		117	71 - 124
Bromodichloromethane	25.0	25.9		ug/L		104	80 - 122
Bromoform	25.0	22.2		ug/L		89	61 - 132
Bromomethane	25.0	25.0		ug/L		100	55 - 144
Carbon disulfide	25.0	28.8		ug/L		115	59 - 134
Carbon tetrachloride	25.0	27.0		ug/L		108	72 - 134
Chlorobenzene	25.0	26.2		ug/L		105	80 - 120
Chlorodibromomethane	25.0	21.7		ug/L		87	75 - 125
Chloroethane	25.0	24.4		ug/L		98	69 - 136
Chloroform	25.0	27.7		ug/L		111	73 - 127
Chloromethane	25.0	23.8		ug/L		95	68 - 124
cis-1,2-Dichloroethene	25.0	28.4		ug/L		114	74 - 124
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	74 - 124
Cyclohexane	25.0	27.6		ug/L		110	59 - 135
Dichlorodifluoromethane	25.0	21.3		ug/L		85	59 - 135
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
Isopropylbenzene	25.0	22.9		ug/L		92	77 - 122
Methyl acetate	50.0	41.4		ug/L		83	74 - 133
Methyl tert-butyl ether	25.0	25.6		ug/L		102	77 - 120
Methylcyclohexane	25.0	29.6		ug/L		119	68 - 134
Methylene Chloride	25.0	26.7		ug/L		107	75 - 124
Styrene	25.0	27.8		ug/L		111	80 - 120
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122
Toluene	25.0	25.6		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	29.7		ug/L		119	73 - 127
trans-1,3-Dichloropropene	25.0	22.2		ug/L		89	80 - 120
Trichloroethene	25.0	28.4		ug/L		114	74 - 123
Trichlorofluoromethane	25.0	28.9		ug/L		115	62 - 150
Vinyl chloride	25.0	25.9		ug/L		104	65 - 133

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

Lab Sample ID: LCS 480-435491/5
Matrix: Water
Analysis Batch: 435491

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: MB 480-436169/7
Matrix: Water
Analysis Batch: 436169

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			09/25/18 23:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/18 23:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/18 23:12	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/25/18 23:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/18 23:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/18 23:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/18 23:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/18 23:12	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/25/18 23:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/18 23:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/18 23:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/18 23:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/18 23:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/18 23:12	1
2-Hexanone	ND		5.0	1.2	ug/L			09/25/18 23:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/18 23:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/18 23:12	1
Acetone	ND		10	3.0	ug/L			09/25/18 23:12	1
Benzene	ND		1.0	0.41	ug/L			09/25/18 23:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/18 23:12	1
Bromoform	ND		1.0	0.26	ug/L			09/25/18 23:12	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/18 23:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/18 23:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/18 23:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/18 23:12	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/25/18 23:12	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/18 23:12	1
Chloroform	ND		1.0	0.34	ug/L			09/25/18 23:12	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/18 23:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/25/18 23:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/18 23:12	1
Cyclohexane	ND		1.0	0.18	ug/L			09/25/18 23:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/18 23:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/18 23:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/18 23:12	1
Methyl acetate	ND		1.3	1.3	ug/L			09/25/18 23:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/18 23:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/18 23:12	1

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

Lab Sample ID: MB 480-436169/7
Matrix: Water
Analysis Batch: 436169

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			09/25/18 23:12	1
Styrene	ND		1.0	0.73	ug/L			09/25/18 23:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/25/18 23:12	1
Toluene	ND		1.0	0.51	ug/L			09/25/18 23:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/18 23:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/18 23:12	1
Trichloroethene	ND		1.0	0.46	ug/L			09/25/18 23:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/18 23:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/18 23:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/18 23:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*77 - 120*		*09/25/18 23:12*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*09/25/18 23:12*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*09/25/18 23:12*	*1*
Dibromofluoromethane (Surr)	*81*		*75 - 123*		*09/25/18 23:12*	*1*

Lab Sample ID: LCS 480-436169/5
Matrix: Water
Analysis Batch: 436169

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		95	76 - 120
1,1,2-Trichloroethane	25.0	24.6		ug/L		98	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	26.1		ug/L		104	61 - 148
1,1-Dichloroethane	25.0	24.9		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	24.4		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	25.0	25.6		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.8		ug/L		111	56 - 134
1,2-Dibromoethane (EDB)	25.0	23.4		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	23.9		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	23.4		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 120
2-Hexanone	125	122		ug/L		98	65 - 127
2-Butanone (MEK)	125	122		ug/L		97	57 - 140
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	129		ug/L		104	56 - 142
Benzene	25.0	23.4		ug/L		93	71 - 124
Bromodichloromethane	25.0	25.7		ug/L		103	80 - 122
Bromoform	25.0	23.4		ug/L		94	61 - 132
Bromomethane	25.0	25.4		ug/L		102	55 - 144
Carbon disulfide	25.0	22.4		ug/L		90	59 - 134
Carbon tetrachloride	25.0	26.8		ug/L		107	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	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 480-436169/5
Matrix: Water
Analysis Batch: 436169

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		96	69 - 136
Chloroform	25.0	23.4		ug/L		94	73 - 127
Chloromethane	25.0	25.4		ug/L		102	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	74 - 124
Cyclohexane	25.0	24.6		ug/L		98	59 - 135
Dichlorodifluoromethane	25.0	34.4	*	ug/L		137	59 - 135
Ethylbenzene	25.0	24.1		ug/L		97	77 - 123
Isopropylbenzene	25.0	26.1		ug/L		105	77 - 122
Methyl acetate	50.0	45.3		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	24.9		ug/L		100	77 - 120
Methylcyclohexane	25.0	27.0		ug/L		108	68 - 134
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124
Styrene	25.0	25.4		ug/L		101	80 - 120
Tetrachloroethene	25.0	25.6		ug/L		102	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	26.1		ug/L		104	80 - 120
Trichloroethene	25.0	26.4		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	29.9		ug/L		120	62 - 150
Vinyl chloride	25.0	27.8		ug/L		111	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*
Toluene-d8 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*84*		*75 - 123*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-435591/28
Matrix: Water
Analysis Batch: 435591

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			09/24/18 15:19	1
Sulfate	0.366	J	2.0	0.35	mg/L			09/24/18 15:19	1

Lab Sample ID: LCS 480-435591/27
Matrix: Water
Analysis Batch: 435591

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	49.10		mg/L		98	90 - 110
Sulfate	50.0	45.93		mg/L		92	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-141989-1 MS
Matrix: Water
Analysis Batch: 435591

Client Sample ID: MW8D091818
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	333		250	560.5	E	mg/L		91	81 - 120
Sulfate	225	B	250	456.1		mg/L		92	80 - 120

Lab Sample ID: MB 480-435927/4
Matrix: Water
Analysis Batch: 435927

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			09/25/18 11:11	1
Sulfate	ND		2.0	0.35	mg/L			09/25/18 11:11	1

Lab Sample ID: LCS 480-435927/3
Matrix: Water
Analysis Batch: 435927

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	48.66		mg/L		97	90 - 110
Sulfate	50.0	46.78		mg/L		94	90 - 110

Lab Sample ID: 480-141989-9 MS
Matrix: Water
Analysis Batch: 435927

Client Sample ID: MW10D091918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	389		500	853.9		mg/L		93	81 - 120
Sulfate	260		500	701.8		mg/L		88	80 - 120

Lab Sample ID: 480-141989-9 MSD
Matrix: Water
Analysis Batch: 435927

Client Sample ID: MW10D091918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	389		500	862.3		mg/L		95	81 - 120	1	20
Sulfate	260		500	729.0		mg/L		94	80 - 120	4	20

Lab Sample ID: MB 480-436300/28
Matrix: Water
Analysis Batch: 436300

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			09/27/18 16:18	1
Sulfate	ND		2.0	0.35	mg/L			09/27/18 16:18	1

Lab Sample ID: LCS 480-436300/27
Matrix: Water
Analysis Batch: 436300

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	48.82		mg/L		98	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-436300/27
Matrix: Water
Analysis Batch: 436300

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	47.74		mg/L		95	90 - 110		

Lab Sample ID: 480-141989-7 MS
Matrix: Water
Analysis Batch: 436300

Client Sample ID: MW1S091818
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1640		1000	2560	E	mg/L		92	81 - 120		
Sulfate	409		1000	1346		mg/L		94	80 - 120		

Lab Sample ID: MB 480-437487/4
Matrix: Water
Analysis Batch: 437487

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			10/03/18 16:07	1
Sulfate	ND		2.0	0.35	mg/L			10/03/18 16:07	1

Lab Sample ID: LCS 480-437487/3
Matrix: Water
Analysis Batch: 437487

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	50.56		mg/L		101	90 - 110		
Sulfate			50.0	49.42		mg/L		99	90 - 110		

Method: 310.2_ASP - Alkalinity - Colorimetric

Lab Sample ID: MB 480-436614/128
Matrix: Water
Analysis Batch: 436614

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	8.22	J	10.0	4.0	mg/L			09/27/18 15:18	1

Lab Sample ID: MB 480-436614/134
Matrix: Water
Analysis Batch: 436614

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	5.56	J	10.0	4.0	mg/L			09/27/18 15:19	1

Lab Sample ID: MB 480-436614/144
Matrix: Water
Analysis Batch: 436614

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	4.79	J	10.0	4.0	mg/L			09/27/18 15:27	1

Method: 310.2_ASP - Alkalinity - Colorimetric (Continued)

Lab Sample ID: MB 480-436614/155
Matrix: Water
Analysis Batch: 436614

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	6.29	J	10.0	4.0	mg/L			09/27/18 15:35	1

Lab Sample ID: LCS 480-436614/127
Matrix: Water
Analysis Batch: 436614

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	49.94		mg/L		100	90 - 110

Lab Sample ID: LCS 480-436614/135
Matrix: Water
Analysis Batch: 436614

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	46.43		mg/L		93	90 - 110

Lab Sample ID: LCS 480-436614/145
Matrix: Water
Analysis Batch: 436614

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	45.83		mg/L		92	90 - 110

Lab Sample ID: LCS 480-436614/156
Matrix: Water
Analysis Batch: 436614

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	45.73		mg/L		91	90 - 110

Lab Sample ID: 480-141989-9 MS
Matrix: Water
Analysis Batch: 436614

Client Sample ID: MW10D091918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	261	B	20.0	289.8	4	mg/L		146	60 - 140

Lab Sample ID: 480-141989-9 MSD
Matrix: Water
Analysis Batch: 436614

Client Sample ID: MW10D091918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Bicarbonate	261	B	20.0	285.8	4	mg/L		127	60 - 140	1	20

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-435350/3
Matrix: Water
Analysis Batch: 435350

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			09/20/18 10:26	1

Lab Sample ID: LCS 480-435350/4
Matrix: Water
Analysis Batch: 435350

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	1.44		mg/L		96	90 - 110

Lab Sample ID: 480-141989-5 MS
Matrix: Water
Analysis Batch: 435350

Client Sample ID: MW7S091818
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	1.00		mg/L		100	90 - 110

Lab Sample ID: 480-141989-5 DU
Matrix: Water
Analysis Batch: 435350

Client Sample ID: MW7S091818
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrite as N	ND		ND		mg/L		NC	20

Lab Sample ID: MB 480-435466/27
Matrix: Water
Analysis Batch: 435466

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			09/20/18 19:44	1

Lab Sample ID: MB 480-435466/3
Matrix: Water
Analysis Batch: 435466

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			09/20/18 19:17	1

Lab Sample ID: LCS 480-435466/28
Matrix: Water
Analysis Batch: 435466

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	1.49		mg/L		99	90 - 110

Lab Sample ID: LCS 480-435466/4
Matrix: Water
Analysis Batch: 435466

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	1.50	1.48		mg/L		99	90 - 110

Lab Sample ID: 480-141989-9 MS
Matrix: Water
Analysis Batch: 435466

Client Sample ID: MW10D091918
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: 480-141989-9 MSD
Matrix: Water
Analysis Batch: 435466

Client Sample ID: MW10D091918
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	1.05		mg/L		105	90 - 110	0	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 490-545423/2
Matrix: Water
Analysis Batch: 545423

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			09/25/18 18:00	1

Lab Sample ID: LCS 490-545423/3
Matrix: Water
Analysis Batch: 545423

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	0.900		mg/L		90	90 - 110

Lab Sample ID: 480-141989-1 MS
Matrix: Water
Analysis Batch: 545423

Client Sample ID: MW8D091818
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	0.070	J H F1	1.00	0.130	F1	mg/L		6	70 - 130

Lab Sample ID: 480-141989-1 MSD
Matrix: Water
Analysis Batch: 545423

Client Sample ID: MW8D091818
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 H F1	1.00	0.130	F1	mg/L		6	70 - 130	0	50

Lab Sample ID: 480-141989-9 MS
Matrix: Water
Analysis Batch: 545423

Client Sample ID: MW10D091918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	ND	H F1	1.00	0.0500	J H F1	mg/L		5	70 - 130

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

Lab Sample ID: 480-141989-9 MSD
Matrix: Water
Analysis Batch: 545423

Client Sample ID: MW10D091918
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	ND	H F1	1.00	0.0600	J H F1	mg/L		6	70 - 130	NC	50

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

Lab Sample ID: MB 480-436851/25
Matrix: Water
Analysis Batch: 436851

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	0.602	J	1.0	0.43	mg/L			09/28/18 04:46	1

Lab Sample ID: MB 480-436851/3
Matrix: Water
Analysis Batch: 436851

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	0.458	J	1.0	0.43	mg/L			09/27/18 22:39	1

Lab Sample ID: LCS 480-436851/26
Matrix: Water
Analysis Batch: 436851

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	60.0	59.44		mg/L		99	90 - 110

Lab Sample ID: LCS 480-436851/4
Matrix: Water
Analysis Batch: 436851

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	60.0	59.09		mg/L		98	90 - 110

Lab Sample ID: 480-141989-4 MS
Matrix: Water
Analysis Batch: 436851

Client Sample ID: MW7D091818
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	3.4	B	50.0	53.36		mg/L		100	54 - 131

Lab Sample ID: 480-141989-4 MSD
Matrix: Water
Analysis Batch: 436851

Client Sample ID: MW7D091818
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dissolved Organic Carbon - Duplicate	3.4	B	50.0	52.24		mg/L		98	54 - 131	2	20

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

Lab Sample ID: 480-141989-9 MS
Matrix: Water
Analysis Batch: 436851

Client Sample ID: MW10D091918
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	2.7	B	20.0	23.34		mg/L		103	54 - 131

Lab Sample ID: 480-141989-9 MSD
Matrix: Water
Analysis Batch: 436851

Client Sample ID: MW10D091918
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	2.7	B	20.0	23.19		mg/L		102	54 - 131	1	20

Lab Sample ID: MB 480-437560/3
Matrix: Water
Analysis Batch: 437560

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon - Duplicate	ND		1.0	0.43	mg/L			10/02/18 21:17	1

Lab Sample ID: LCS 480-437560/4
Matrix: Water
Analysis Batch: 437560

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	60.0	59.76		mg/L		100	90 - 110

QC Association Summary

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

TestAmerica Job ID: 480-141989-1

GC/MS VOA

Analysis Batch: 435314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-5	MW7S091818	Total/NA	Water	8260C	
480-141989-6	MW7DD091818	Total/NA	Water	8260C	
480-141989-7	MW1S091818	Total/NA	Water	8260C	
480-141989-8	MW1D091818	Total/NA	Water	8260C	
480-141989-9	MW10D091918	Total/NA	Water	8260C	
480-141989-10	MW10S091918	Total/NA	Water	8260C	
480-141989-11	X-1 091918	Total/NA	Water	8260C	
480-141989-12	MW6D091918	Total/NA	Water	8260C	
480-141989-13	MW6DD091918	Total/NA	Water	8260C	
480-141989-14	MW4D091918	Total/NA	Water	8260C	
480-141989-15	MW5D091918	Total/NA	Water	8260C	
MB 480-435314/7	Method Blank	Total/NA	Water	8260C	
LCS 480-435314/5	Lab Control Sample	Total/NA	Water	8260C	
480-141989-9 MS	MW10D091918	Total/NA	Water	8260C	
480-141989-9 MSD	MW10D091918	Total/NA	Water	8260C	

Analysis Batch: 435491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-1	MW8D091818	Total/NA	Water	8260C	
480-141989-2	MW8DD091818	Total/NA	Water	8260C	
480-141989-3	MW8S091818	Total/NA	Water	8260C	
480-141989-4	MW7D091818	Total/NA	Water	8260C	
MB 480-435491/7	Method Blank	Total/NA	Water	8260C	
LCS 480-435491/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 436169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-16	Trip Blank	Total/NA	Water	8260C	
MB 480-436169/7	Method Blank	Total/NA	Water	8260C	
LCS 480-436169/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 435350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-3	MW8S091818	Total/NA	Water	353.2	
480-141989-4	MW7D091818	Total/NA	Water	353.2	
480-141989-5	MW7S091818	Total/NA	Water	353.2	
MB 480-435350/3	Method Blank	Total/NA	Water	353.2	
LCS 480-435350/4	Lab Control Sample	Total/NA	Water	353.2	
480-141989-5 MS	MW7S091818	Total/NA	Water	353.2	
480-141989-5 DU	MW7S091818	Total/NA	Water	353.2	

Analysis Batch: 435357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-1	MW8D091818	Total/NA	Water	353.2	
480-141989-2	MW8DD091818	Total/NA	Water	353.2	
480-141989-3	MW8S091818	Total/NA	Water	353.2	
480-141989-4	MW7D091818	Total/NA	Water	353.2	
480-141989-5	MW7S091818	Total/NA	Water	353.2	

General Chemistry (Continued)

Analysis Batch: 435357 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-6	MW7DD091818	Total/NA	Water	353.2	

Analysis Batch: 435359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-1	MW8D091818	Total/NA	Water	353.2	
480-141989-2	MW8DD091818	Total/NA	Water	353.2	
480-141989-6	MW7DD091818	Total/NA	Water	353.2	

Analysis Batch: 435448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-7	MW1S091818	Total/NA	Water	353.2	
480-141989-8	MW1D091818	Total/NA	Water	353.2	

Analysis Batch: 435449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-7	MW1S091818	Total/NA	Water	353.2	
480-141989-8	MW1D091818	Total/NA	Water	353.2	

Analysis Batch: 435462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-10	MW10S091918	Total/NA	Water	353.2	
480-141989-11	X-1 091918	Total/NA	Water	353.2	
480-141989-12	MW6D091918	Total/NA	Water	353.2	
480-141989-13	MW6DD091918	Total/NA	Water	353.2	
480-141989-14	MW4D091918	Total/NA	Water	353.2	
480-141989-15	MW5D091918	Total/NA	Water	353.2	

Analysis Batch: 435466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-9	MW10D091918	Total/NA	Water	353.2	
MB 480-435466/27	Method Blank	Total/NA	Water	353.2	
MB 480-435466/3	Method Blank	Total/NA	Water	353.2	
LCS 480-435466/28	Lab Control Sample	Total/NA	Water	353.2	
LCS 480-435466/4	Lab Control Sample	Total/NA	Water	353.2	
480-141989-9 MS	MW10D091918	Total/NA	Water	353.2	
480-141989-9 MSD	MW10D091918	Total/NA	Water	353.2	

Analysis Batch: 435469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-9	MW10D091918	Total/NA	Water	353.2	
480-141989-10	MW10S091918	Total/NA	Water	353.2	
480-141989-11	X-1 091918	Total/NA	Water	353.2	
480-141989-12	MW6D091918	Total/NA	Water	353.2	
480-141989-13	MW6DD091918	Total/NA	Water	353.2	
480-141989-14	MW4D091918	Total/NA	Water	353.2	
480-141989-15	MW5D091918	Total/NA	Water	353.2	

Analysis Batch: 435591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-1	MW8D091818	Total/NA	Water	300.0	
MB 480-435591/28	Method Blank	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 435591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-435591/27	Lab Control Sample	Total/NA	Water	300.0	
480-141989-1 MS	MW8D091818	Total/NA	Water	300.0	

Analysis Batch: 435927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-8	MW1D091818	Total/NA	Water	300.0	
480-141989-9	MW10D091918	Total/NA	Water	300.0	
480-141989-10	MW10S091918	Total/NA	Water	300.0	
480-141989-11	X-1 091918	Total/NA	Water	300.0	
480-141989-12	MW6D091918	Total/NA	Water	300.0	
480-141989-13	MW6DD091918	Total/NA	Water	300.0	
480-141989-14	MW4D091918	Total/NA	Water	300.0	
480-141989-15	MW5D091918	Total/NA	Water	300.0	
MB 480-435927/4	Method Blank	Total/NA	Water	300.0	
LCS 480-435927/3	Lab Control Sample	Total/NA	Water	300.0	
480-141989-9 MS	MW10D091918	Total/NA	Water	300.0	
480-141989-9 MSD	MW10D091918	Total/NA	Water	300.0	

Analysis Batch: 436300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-2	MW8DD091818	Total/NA	Water	300.0	
480-141989-3	MW8S091818	Total/NA	Water	300.0	
480-141989-4	MW7D091818	Total/NA	Water	300.0	
480-141989-5	MW7S091818	Total/NA	Water	300.0	
480-141989-6	MW7DD091818	Total/NA	Water	300.0	
480-141989-7	MW1S091818	Total/NA	Water	300.0	
MB 480-436300/28	Method Blank	Total/NA	Water	300.0	
LCS 480-436300/27	Lab Control Sample	Total/NA	Water	300.0	
480-141989-7 MS	MW1S091818	Total/NA	Water	300.0	

Analysis Batch: 436614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-1	MW8D091818	Total/NA	Water	310.2_ASP	
480-141989-2	MW8DD091818	Total/NA	Water	310.2_ASP	
480-141989-3	MW8S091818	Total/NA	Water	310.2_ASP	
480-141989-4	MW7D091818	Total/NA	Water	310.2_ASP	
480-141989-5	MW7S091818	Total/NA	Water	310.2_ASP	
480-141989-6	MW7DD091818	Total/NA	Water	310.2_ASP	
480-141989-7	MW1S091818	Total/NA	Water	310.2_ASP	
480-141989-8	MW1D091818	Total/NA	Water	310.2_ASP	
480-141989-9	MW10D091918	Total/NA	Water	310.2_ASP	
480-141989-10	MW10S091918	Total/NA	Water	310.2_ASP	
480-141989-11	X-1 091918	Total/NA	Water	310.2_ASP	
480-141989-12	MW6D091918	Total/NA	Water	310.2_ASP	
480-141989-13	MW6DD091918	Total/NA	Water	310.2_ASP	
480-141989-14	MW4D091918	Total/NA	Water	310.2_ASP	
480-141989-15	MW5D091918	Total/NA	Water	310.2_ASP	
MB 480-436614/128	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-436614/134	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-436614/144	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-436614/155	Method Blank	Total/NA	Water	310.2_ASP	

General Chemistry (Continued)

Analysis Batch: 436614 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-436614/127	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-436614/135	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-436614/145	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-436614/156	Lab Control Sample	Total/NA	Water	310.2_ASP	
480-141989-9 MS	MW10D091918	Total/NA	Water	310.2_ASP	
480-141989-9 MSD	MW10D091918	Total/NA	Water	310.2_ASP	

Analysis Batch: 436851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-1	MW8D091818	Dissolved	Water	SM 5310C	
480-141989-2	MW8DD091818	Dissolved	Water	SM 5310C	
480-141989-3	MW8S091818	Dissolved	Water	SM 5310C	
480-141989-4	MW7D091818	Dissolved	Water	SM 5310C	
480-141989-5	MW7S091818	Dissolved	Water	SM 5310C	
480-141989-6	MW7DD091818	Dissolved	Water	SM 5310C	
480-141989-7	MW1S091818	Dissolved	Water	SM 5310C	
480-141989-8	MW1D091818	Dissolved	Water	SM 5310C	
480-141989-9	MW10D091918	Dissolved	Water	SM 5310C	
480-141989-10	MW10S091918	Dissolved	Water	SM 5310C	
480-141989-11	X-1 091918	Dissolved	Water	SM 5310C	
480-141989-12	MW6D091918	Dissolved	Water	SM 5310C	
480-141989-13	MW6DD091918	Dissolved	Water	SM 5310C	
480-141989-14	MW4D091918	Dissolved	Water	SM 5310C	
MB 480-436851/25	Method Blank	Dissolved	Water	SM 5310C	
MB 480-436851/3	Method Blank	Dissolved	Water	SM 5310C	
LCS 480-436851/26	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 480-436851/4	Lab Control Sample	Dissolved	Water	SM 5310C	
480-141989-4 MS	MW7D091818	Dissolved	Water	SM 5310C	
480-141989-4 MSD	MW7D091818	Dissolved	Water	SM 5310C	
480-141989-9 MS	MW10D091918	Dissolved	Water	SM 5310C	
480-141989-9 MSD	MW10D091918	Dissolved	Water	SM 5310C	

Analysis Batch: 437487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-2	MW8DD091818	Total/NA	Water	300.0	
MB 480-437487/4	Method Blank	Total/NA	Water	300.0	
LCS 480-437487/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 437560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-15	MW5D091918	Dissolved	Water	SM 5310C	
MB 480-437560/3	Method Blank	Dissolved	Water	SM 5310C	
LCS 480-437560/4	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 545423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-1	MW8D091818	Total/NA	Water	SM 4500 S2 D	
480-141989-2	MW8DD091818	Total/NA	Water	SM 4500 S2 D	
480-141989-3	MW8S091818	Total/NA	Water	SM 4500 S2 D	
480-141989-4	MW7D091818	Total/NA	Water	SM 4500 S2 D	
480-141989-5	MW7S091818	Total/NA	Water	SM 4500 S2 D	

General Chemistry (Continued)

Analysis Batch: 545423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141989-6	MW7DD091818	Total/NA	Water	SM 4500 S2 D	
480-141989-7	MW1S091818	Total/NA	Water	SM 4500 S2 D	
480-141989-8	MW1D091818	Total/NA	Water	SM 4500 S2 D	
480-141989-9	MW10D091918	Total/NA	Water	SM 4500 S2 D	
480-141989-10	MW10S091918	Total/NA	Water	SM 4500 S2 D	
480-141989-11	X-1 091918	Total/NA	Water	SM 4500 S2 D	
480-141989-12	MW6D091918	Total/NA	Water	SM 4500 S2 D	
480-141989-13	MW6DD091918	Total/NA	Water	SM 4500 S2 D	
480-141989-14	MW4D091918	Total/NA	Water	SM 4500 S2 D	
480-141989-15	MW5D091918	Total/NA	Water	SM 4500 S2 D	
MB 490-545423/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-545423/3	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
480-141989-1 MS	MW8D091818	Total/NA	Water	SM 4500 S2 D	
480-141989-1 MSD	MW8D091818	Total/NA	Water	SM 4500 S2 D	
480-141989-9 MS	MW10D091918	Total/NA	Water	SM 4500 S2 D	
480-141989-9 MSD	MW10D091918	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: 480-141989-1

Client Sample ID: MW8D091818

Lab Sample ID: 480-141989-1

Date Collected: 09/18/18 09:55

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435491	09/21/18 17:03	NMC	TAL BUF
Total/NA	Analysis	300.0		5	435591	09/24/18 17:53	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:39	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435357	09/20/18 10:17	CLT	TAL BUF
Total/NA	Analysis	353.2		1	435359	09/20/18 10:17	CLT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 00:57	SMH	TAL BUF

Client Sample ID: MW8DD091818

Lab Sample ID: 480-141989-2

Date Collected: 09/18/18 10:15

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435491	09/21/18 17:30	NMC	TAL BUF
Total/NA	Analysis	300.0		10	436300	09/27/18 18:15	DMR	TAL BUF
Total/NA	Analysis	300.0		20	437487	10/03/18 18:34	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		3	436614	09/27/18 15:18	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435357	09/20/18 10:09	CLT	TAL BUF
Total/NA	Analysis	353.2		1	435359	09/20/18 10:09	CLT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 01:43	SMH	TAL BUF

Client Sample ID: MW8S091818

Lab Sample ID: 480-141989-3

Date Collected: 09/18/18 12:05

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435491	09/21/18 17:56	NMC	TAL BUF
Total/NA	Analysis	300.0		2	436300	09/27/18 18:23	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		3	436614	09/27/18 15:18	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435357	09/20/18 10:28	CLT	TAL BUF
Total/NA	Analysis	353.2		1	435350	09/20/18 10:28	CLT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 01:58	SMH	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-141989-1

Client Sample ID: MW7D091818
Date Collected: 09/18/18 12:40
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435491	09/21/18 18:23	NMC	TAL BUF
Total/NA	Analysis	300.0		2	436300	09/27/18 18:31	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		3	436614	09/27/18 15:18	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435357	09/20/18 10:29	CLT	TAL BUF
Total/NA	Analysis	353.2		1	435350	09/20/18 10:29	CLT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/27/18 23:10	SMH	TAL BUF

Client Sample ID: MW7S091818
Date Collected: 09/18/18 14:20
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 12:13	NMC	TAL BUF
Total/NA	Analysis	300.0		5	436300	09/27/18 18:39	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:26	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435357	09/20/18 10:30	CLT	TAL BUF
Total/NA	Analysis	353.2		1	435350	09/20/18 10:30	CLT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 02:13	SMH	TAL BUF

Client Sample ID: MW7DD091818
Date Collected: 09/18/18 14:00
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 12:40	NMC	TAL BUF
Total/NA	Analysis	300.0		5	436300	09/27/18 18:47	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:26	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435357	09/20/18 10:16	CLT	TAL BUF
Total/NA	Analysis	353.2		1	435359	09/20/18 10:16	CLT	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 02:28	SMH	TAL BUF

Client Sample ID: MW1S091818
Date Collected: 09/18/18 16:20
Date Received: 09/19/18 17:00

Lab Sample ID: 480-141989-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 13:07	NMC	TAL BUF
Total/NA	Analysis	300.0		20	436300	09/27/18 18:55	DMR	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-141989-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:26	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435448	09/20/18 14:05	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435449	09/20/18 14:05	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 02:44	SMH	TAL BUF

Client Sample ID: MW1D091818

Lab Sample ID: 480-141989-8

Date Collected: 09/18/18 16:25

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 13:33	NMC	TAL BUF
Total/NA	Analysis	300.0		5	435927	09/25/18 11:19	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:29	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435448	09/20/18 14:06	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435449	09/20/18 14:06	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 02:59	SMH	TAL BUF

Client Sample ID: MW10D091918

Lab Sample ID: 480-141989-9

Date Collected: 09/19/18 08:40

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 14:00	NMC	TAL BUF
Total/NA	Analysis	300.0		10	435927	09/25/18 12:00	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:26	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435466	09/20/18 19:47	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435469	09/20/18 19:47	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 05:16	SMH	TAL BUF

Client Sample ID: MW10S091918

Lab Sample ID: 480-141989-10

Date Collected: 09/19/18 10:45

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 14:27	NMC	TAL BUF
Total/NA	Analysis	300.0		5	435927	09/25/18 11:27	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:29	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435462	09/20/18 16:00	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435469	09/20/18 16:00	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 03:14	SMH	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-141989-1

Client Sample ID: X-1 091918

Lab Sample ID: 480-141989-11

Date Collected: 09/19/18 00:00
Matrix: Water
Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 14:54	NMC	TAL BUF
Total/NA	Analysis	300.0		5	435927	09/25/18 11:36	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:29	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435462	09/20/18 16:01	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435469	09/20/18 16:01	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/27/18 23:56	SMH	TAL BUF

Client Sample ID: MW6D091918

Lab Sample ID: 480-141989-12

Date Collected: 09/19/18 10:45
Matrix: Water
Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 15:20	NMC	TAL BUF
Total/NA	Analysis	300.0		5	435927	09/25/18 11:44	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:29	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435462	09/20/18 16:02	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435469	09/20/18 16:02	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 03:30	SMH	TAL BUF

Client Sample ID: MW6DD091918

Lab Sample ID: 480-141989-13

Date Collected: 09/19/18 12:55
Matrix: Water
Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 15:47	NMC	TAL BUF
Total/NA	Analysis	300.0		5	435927	09/25/18 11:52	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:29	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435462	09/20/18 16:03	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435469	09/20/18 16:03	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 03:45	SMH	TAL BUF

Client Sample ID: MW4D091918

Lab Sample ID: 480-141989-14

Date Collected: 09/19/18 13:05
Matrix: Water
Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 16:14	NMC	TAL BUF
Total/NA	Analysis	300.0		5	435927	09/25/18 12:41	DMR	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-141989-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:29	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435462	09/20/18 16:09	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435469	09/20/18 16:09	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 04:00	SMH	TAL BUF

Client Sample ID: MW5D091918

Lab Sample ID: 480-141989-15

Date Collected: 09/19/18 14:55

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435314	09/20/18 16:41	NMC	TAL BUF
Total/NA	Analysis	300.0		5	435927	09/25/18 12:49	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		4	436614	09/27/18 15:29	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435462	09/20/18 16:10	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435469	09/20/18 16:10	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	545423	09/25/18 18:00	DRR	TAL NSH
Dissolved	Analysis	SM 5310C		1	437560	10/02/18 23:44	SMH	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-141989-16

Date Collected: 09/19/18 00:00

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	436169	09/26/18 00:43	AMM	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: 480-141989-1

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	03-31-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 5310C		Water	Dissolved Organic Carbon - Duplicate

Laboratory: 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	03-31-19

Method Summary

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

TestAmerica Job ID: 480-141989-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
310.2_ASP	Alkalinity - Colorimetric	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL NSH
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = 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: 480-141989-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-141989-1	MW8D091818	Water	09/18/18 09:55	09/19/18 17:00
480-141989-2	MW8DD091818	Water	09/18/18 10:15	09/19/18 17:00
480-141989-3	MW8S091818	Water	09/18/18 12:05	09/19/18 17:00
480-141989-4	MW7D091818	Water	09/18/18 12:40	09/19/18 17:00
480-141989-5	MW7S091818	Water	09/18/18 14:20	09/19/18 17:00
480-141989-6	MW7DD091818	Water	09/18/18 14:00	09/19/18 17:00
480-141989-7	MW1S091818	Water	09/18/18 16:20	09/19/18 17:00
480-141989-8	MW1D091818	Water	09/18/18 16:25	09/19/18 17:00
480-141989-9	MW10D091918	Water	09/19/18 08:40	09/19/18 17:00
480-141989-10	MW10S091918	Water	09/19/18 10:45	09/19/18 17:00
480-141989-11	X-1 091918	Water	09/19/18 00:00	09/19/18 17:00
480-141989-12	MW6D091918	Water	09/19/18 10:45	09/19/18 17:00
480-141989-13	MW6DD091918	Water	09/19/18 12:55	09/19/18 17:00
480-141989-14	MW4D091918	Water	09/19/18 13:05	09/19/18 17:00
480-141989-15	MW5D091918	Water	09/19/18 14:55	09/19/18 17:00
480-141989-16	Trip Blank	Water	09/19/18 00:00	09/19/18 17:00

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
TestAmerica Job ID: 480-141989-1
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 ENVIRO

Client Information	Sampler:	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-118264-27221.1
Client Contact: Mr. Yuri Veliz	Phone: 315-779-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 3
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis Requested	Preservation Codes: 480-141989 COC
City: East Syracuse	TAT Requested (days):		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:
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	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	A	N	CB	A		
MW 5D 091818	9-18-18	9:55	G	Water			3	1	2	2	1	1			
MW 8DD 091818	9-18-18	10:15	G	Water			3	1	2	2	1	1			
MW 8S 091818	9-18-18	1205	G	Water			3	1	2	2	1	1			
MW 7D 091818	9-18-18	1240	G	Water			3	1	2	2	1	1			
MW 7S 091818	9-18-18	14:20	G	Water			3	1	2	2	1	1			
MW 7DD 091818	9-18-18	14:00	G	Water			3	1	2	2	1	1			
MW 1S 091818	9-18-18	16:20	G	Water			3	1	2	2	1	1			
MW 1D 091818	9-18-18	16:25	G	Water			3	1	2	2	1	1			
MW 10D 091918	9-19-18	8:40	G	Water			3	1	2	2	1	1			
MW 10D MSD 091918	9-19-18	8:40	G	Water			3	1	2	2	1	1			
MW 10D MS 091918	9-19-18	8:40	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]	9-19-18 / 17:00	OBG	[signature]	9/19/18 1700	WBS
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: 3.8 4.4 #1

Ver: 08/04/2016

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com		480-118264-27221.2 Page: Page 2 of 3
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:
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 list OLM04.2	300.0_28D - Cl, SO4	353.2, 353.2_Nitrite, Nitrate_Calc	SM5310_DOC_C - Dissolved Organic Carbon	310.2 - Alkalinity	SM4500_S2_D - Total Sulfide	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	A	N	CB	A		
MW 10S 091918	9-19-18	10:45	G	Water			3	1	2	2	1	1			
X-1 091918	9-19-18	—	G	Water			3	1	2	2	1	1			
MW 6D 091918	9-19-18	10:45	G	Water			3	1	2	2	1	1			
MW 6DD 091918	9-19-18	12:55	G	Water			3	1	2	2	1	1			
MW 4D 091918	9-19-18	13:05	G	Water			3	1	2	2	1	1			
MW 5D 091918	9-19-18	14:55	G	Water			3	1	2	2	1	1			
QC Trip Blank				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:	Date/Time:	Company	Received by:	Date/Time:	Company
	9-19-18/17:00	OBG		9/19/18 17:00	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 08/04/2016

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

480-141989 Chain of Custody

Cooler Received/Opened On 9/21/2018 @ 9:45

Time Samples Removed From Cooler 16:20 Time Samples Placed In Storage 16:33 (2 Hour Window)

1. Tracking # 7429 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 31470366 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 4.0 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) _____

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) J.G

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) J.G

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) J.G

I certify that I attached a label with the unique LIMS number to each container (intial) J.G

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment

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

Chain of Custody Record

480-141989

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Deyo, Melissa L	COC No: 480-45000.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: melissa.deyo@testamericainc.com	State of Origin: New York	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York	Job #: 480-141989-1
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 10/1/2018		
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:		X	X			
MW8D091818 (480-141989-1)	9/18/18	09:55 Eastern		Water			X	1	
MW8DD091818 (480-141989-2)	9/18/18	10:15 Eastern		Water			X	1	
MW8S091818 (480-141989-3)	9/18/18	12:05 Eastern		Water			X	1	
MW7D091818 (480-141989-4)	9/18/18	12:40 Eastern		Water			X	1	
MW7S091818 (480-141989-5)	9/18/18	14:20 Eastern		Water			X	1	
MW7DD091818 (480-141989-6)	9/18/18	14:00 Eastern		Water			X	1	
MW1S091818 (480-141989-7)	9/18/18	16:20 Eastern		Water			X	1	
MW1D091818 (480-141989-8)	9/18/18	16:25 Eastern		Water			X	1	
MW10D091918 (480-141989-9)	9/19/18	08:40 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: 9/20/18 1700	Company	Received by:	Date/Time: 09/21/18 09:45	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:	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 4.0			

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

Chain of Custody Record

Loc: 480
141989
#1
A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-45000.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: melissa.deyo@testamericainc.com	State of Origin: New York	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York		Job #: 480-141989-1
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 10/1/2018			
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:						
MW10D091918 (480-141989-9MS)	9/19/18	08:40 Eastern	MS	Water			X	1	
MW10D091918 (480-141989-9MSD)	9/19/18	08:40 Eastern	MSD	Water			X	1	
MW10S091918 (480-141989-10)	9/19/18	10:45 Eastern		Water			X	1	
X-1 091918 (480-141989-11)	9/19/18	Eastern		Water			X	1	
MW6D091918 (480-141989-12)	9/19/18	10:45 Eastern		Water			X	1	
MW6DD091918 (480-141989-13)	9/19/18	12:55 Eastern		Water			X	1	
MW4D091918 (480-141989-14)	9/19/18	13:05 Eastern		Water			X	1	
MW5D091918 (480-141989-15)	9/19/18	14:55 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 compliance 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: 9/20/18 1700	Company	Received by:	Date/Time: 09/21/18 09:45	Company CA-NAS
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: 4.0

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-141989-1

Login Number: 141989
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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: 480-142089-1
Client Project/Site: Forest Glen Monitoring

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

Attn: Mr. David J Carnevale

Authorized for release by:
10/2/2018 4:23:32 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

LINKS

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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: 480-142089-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

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.

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)

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

TestAmerica Job ID: 480-142089-1

Job ID: 480-142089-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-142089-1

Receipt
The samples were received on 9/20/2018 11:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.3º C.

GC/MS VOA
Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-435667 recovered outside control limits for the following analyte: Chlorodibromomethane. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: MW5S092018 (480-142089-1), MW6S092018 (480-142089-2) and QC TRIP BLANK (480-142089-3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-435667 recovered above the upper control limit for Chlorodibromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW5S092018 (480-142089-1), MW6S092018 (480-142089-2) and QC TRIP BLANK (480-142089-3).

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

HPLC/IC
Method(s) 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW5S092018 (480-142089-1) and MW6S092018 (480-142089-2). 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
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

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

TestAmerica Job ID: 480-142089-1

Client Sample ID: MW5S092018 — Lab Sample ID: 480-142089-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	6.8		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	60		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	3.3		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	45		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	22		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	11.8		1.0	0.56	mg/L	2		300.0	Total/NA
Sulfate	172	B	4.0	0.70	mg/L	2		300.0	Total/NA
Alkalinity, Bicarbonate	214	B	30.0	12.0	mg/L	3		310.2_ASP	Total/NA
Nitrate as N	0.20		0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	5.2	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: MW6S092018 — Lab Sample ID: 480-142089-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	19		1.0	0.90	ug/L	1		8260C	Total/NA
Chloride	43.6		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	241	B	10.0	1.7	mg/L	5		300.0	Total/NA
Alkalinity, Bicarbonate	386	B	50.0	20.0	mg/L	5		310.2_ASP	Total/NA
Nitrate as N	0.024	J	0.050	0.020	mg/L	1		353.2	Total/NA
Dissolved Organic Carbon - Duplicate	3.9	B	1.0	0.43	mg/L	1		SM 5310C	Dissolved

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-142089-3

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: 480-142089-1

Client Sample ID: MW5S092018
Date Collected: 09/20/18 07:45
Date Received: 09/20/18 11:55

Lab Sample ID: 480-142089-1
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	**6.8**		1.0	0.82	ug/L			09/22/18 05:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/22/18 05:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/22/18 05:54	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/22/18 05:54	1
1,1-Dichloroethane	**60**		1.0	0.38	ug/L			09/22/18 05:54	1
1,1-Dichloroethene	**3.3**		1.0	0.29	ug/L			09/22/18 05:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/22/18 05:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/22/18 05:54	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/22/18 05:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/22/18 05:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/22/18 05:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/22/18 05:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/22/18 05:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/22/18 05:54	1
2-Hexanone	ND		5.0	1.2	ug/L			09/22/18 05:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/22/18 05:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/22/18 05:54	1
Acetone	ND		10	3.0	ug/L			09/22/18 05:54	1
Benzene	ND		1.0	0.41	ug/L			09/22/18 05:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/22/18 05:54	1
Bromoform	ND		1.0	0.26	ug/L			09/22/18 05:54	1
Bromomethane	ND		1.0	0.69	ug/L			09/22/18 05:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/22/18 05:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/22/18 05:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/22/18 05:54	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			09/22/18 05:54	1
Chloroethane	ND		1.0	0.32	ug/L			09/22/18 05:54	1
Chloroform	ND		1.0	0.34	ug/L			09/22/18 05:54	1
Chloromethane	ND		1.0	0.35	ug/L			09/22/18 05:54	1
cis-1,2-Dichloroethene	**45**		1.0	0.81	ug/L			09/22/18 05:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/22/18 05:54	1
Cyclohexane	ND		1.0	0.18	ug/L			09/22/18 05:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/22/18 05:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/22/18 05:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/22/18 05:54	1
Methyl acetate	ND		1.3	1.3	ug/L			09/22/18 05:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/18 05:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/22/18 05:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/22/18 05:54	1
Styrene	ND		1.0	0.73	ug/L			09/22/18 05:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/22/18 05:54	1
Toluene	ND		1.0	0.51	ug/L			09/22/18 05:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/22/18 05:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/22/18 05:54	1
Trichloroethene	**22**		1.0	0.46	ug/L			09/22/18 05:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/22/18 05:54	1
Vinyl chloride	**2.1**		1.0	0.90	ug/L			09/22/18 05:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/22/18 05:54	1

Client Sample ID: MW5S092018

Date Collected: 09/20/18 07:45
Date Received: 09/20/18 11:55

Lab Sample ID: 480-142089-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/22/18 05:54*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/22/18 05:54*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/22/18 05:54*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/22/18 05:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.8**		1.0	0.56	mg/L			09/26/18 16:44	2
Sulfate	**172**	**B**	4.0	0.70	mg/L			09/26/18 16:44	2
Alkalinity, Bicarbonate	**214**	**B**	30.0	12.0	mg/L			09/28/18 14:33	3
Nitrate as N	**0.20**		0.050	0.020	mg/L			09/21/18 17:54	1
Nitrite as N	ND		0.050	0.020	mg/L			09/21/18 17:54	1
Sulfide	ND		0.10	0.050	mg/L			09/27/18 19:18	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			09/28/18 13:58	1

Client Sample ID: MW6S092018

Date Collected: 09/20/18 08:50
Date Received: 09/20/18 11:55

Lab Sample ID: 480-142089-2

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			09/22/18 06:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/22/18 06:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/22/18 06:17	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/22/18 06:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/22/18 06:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/22/18 06:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/22/18 06:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/22/18 06:17	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/22/18 06:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/22/18 06:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/22/18 06:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/22/18 06:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/22/18 06:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/22/18 06:17	1
2-Hexanone	ND		5.0	1.2	ug/L			09/22/18 06:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/22/18 06:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/22/18 06:17	1
Acetone	ND		10	3.0	ug/L			09/22/18 06:17	1
Benzene	ND		1.0	0.41	ug/L			09/22/18 06:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/22/18 06:17	1
Bromoform	ND		1.0	0.26	ug/L			09/22/18 06:17	1
Bromomethane	ND		1.0	0.69	ug/L			09/22/18 06:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/22/18 06:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/22/18 06:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/22/18 06:17	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			09/22/18 06:17	1

Client Sample ID: MW6S092018

Date Collected: 09/20/18 08:50
Date Received: 09/20/18 11:55

Lab Sample ID: 480-142089-2
Matrix: Water

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			09/22/18 06:17	1
Chloroform	ND		1.0	0.34	ug/L			09/22/18 06:17	1
Chloromethane	ND		1.0	0.35	ug/L			09/22/18 06:17	1
cis-1,2-Dichloroethene	**15**		1.0	0.81	ug/L			09/22/18 06:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/22/18 06:17	1
Cyclohexane	ND		1.0	0.18	ug/L			09/22/18 06:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/22/18 06:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/22/18 06:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/22/18 06:17	1
Methyl acetate	ND		1.3	1.3	ug/L			09/22/18 06:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/18 06:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/22/18 06:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/22/18 06:17	1
Styrene	ND		1.0	0.73	ug/L			09/22/18 06:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/22/18 06:17	1
Toluene	ND		1.0	0.51	ug/L			09/22/18 06:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/22/18 06:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/22/18 06:17	1
Trichloroethene	ND		1.0	0.46	ug/L			09/22/18 06:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/22/18 06:17	1
Vinyl chloride	**19**		1.0	0.90	ug/L			09/22/18 06:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/22/18 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/22/18 06:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/22/18 06:17*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/22/18 06:17*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/22/18 06:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.6**		2.5	1.4	mg/L			09/26/18 16:53	5
Sulfate	**241**	**B**	10.0	1.7	mg/L			09/26/18 16:53	5
Alkalinity, Bicarbonate	**386**	**B**	50.0	20.0	mg/L			09/28/18 14:33	5
Nitrate as N	**0.024**	**J**	0.050	0.020	mg/L			09/21/18 14:34	1
Nitrite as N	ND		0.050	0.020	mg/L			09/21/18 14:34	1
Sulfide	ND		0.10	0.050	mg/L			09/27/18 19:18	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			09/28/18 14:13	1

Client Sample ID: QC TRIP BLANK

Date Collected: 09/20/18 00:00
Date Received: 09/20/18 11:55

Lab Sample ID: 480-142089-3
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			09/22/18 06:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/22/18 06:40	1

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

TestAmerica Job ID: 480-142089-1

Client Sample ID: QC TRIP BLANK
Date Collected: 09/20/18 00:00
Date Received: 09/20/18 11:55

Lab Sample ID: 480-142089-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/22/18 06:40	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/22/18 06:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/22/18 06:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/22/18 06:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/22/18 06:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/22/18 06:40	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/22/18 06:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/22/18 06:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/22/18 06:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/22/18 06:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/22/18 06:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/22/18 06:40	1
2-Hexanone	ND		5.0	1.2	ug/L			09/22/18 06:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/22/18 06:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/22/18 06:40	1
Acetone	ND		10	3.0	ug/L			09/22/18 06:40	1
Benzene	ND		1.0	0.41	ug/L			09/22/18 06:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/22/18 06:40	1
Bromoform	ND		1.0	0.26	ug/L			09/22/18 06:40	1
Bromomethane	ND		1.0	0.69	ug/L			09/22/18 06:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/22/18 06:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/22/18 06:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/22/18 06:40	1
Chlorodibromomethane	ND	*	1.0	0.32	ug/L			09/22/18 06:40	1
Chloroethane	ND		1.0	0.32	ug/L			09/22/18 06:40	1
Chloroform	ND		1.0	0.34	ug/L			09/22/18 06:40	1
Chloromethane	ND		1.0	0.35	ug/L			09/22/18 06:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/22/18 06:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/22/18 06:40	1
Cyclohexane	ND		1.0	0.18	ug/L			09/22/18 06:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/22/18 06:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/22/18 06:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/22/18 06:40	1
Methyl acetate	ND		1.3	1.3	ug/L			09/22/18 06:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/22/18 06:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/22/18 06:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/22/18 06:40	1
Styrene	ND		1.0	0.73	ug/L			09/22/18 06:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/22/18 06:40	1
Toluene	ND		1.0	0.51	ug/L			09/22/18 06:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/22/18 06:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/22/18 06:40	1
Trichloroethene	ND		1.0	0.46	ug/L			09/22/18 06:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/22/18 06:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/22/18 06:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/22/18 06:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/22/18 06:40*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/22/18 06:40*	*1*

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

TestAmerica Job ID: 480-142089-1

Client Sample ID: QC TRIP BLANK
Date Collected: 09/20/18 00:00
Date Received: 09/20/18 11:55

Lab Sample ID: 480-142089-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		73 - 120		09/22/18 06:40	1
Dibromofluoromethane (Surr)	108		75 - 123		09/22/18 06:40	1

Surrogate Summary

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

TestAmerica Job ID: 480-142089-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-142089-1	MW5S092018	103	103	95	106
480-142089-2	MW6S092018	109	100	94	107
480-142089-3	QC TRIP BLANK	110	102	92	108
LCS 480-435667/5	Lab Control Sample	108	107	102	107
MB 480-435667/7	Method Blank	102	104	97	102

Surrogate Legend

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

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

Lab Sample ID: MB 480-435667/7
Matrix: Water
Analysis Batch: 435667

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			09/21/18 23:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/21/18 23:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/21/18 23:27	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			09/21/18 23:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/21/18 23:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/21/18 23:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/21/18 23:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/21/18 23:27	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			09/21/18 23:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/21/18 23:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/21/18 23:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/21/18 23:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/21/18 23:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/21/18 23:27	1
2-Hexanone	ND		5.0	1.2	ug/L			09/21/18 23:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/21/18 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/21/18 23:27	1
Acetone	ND		10	3.0	ug/L			09/21/18 23:27	1
Benzene	ND		1.0	0.41	ug/L			09/21/18 23:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/21/18 23:27	1
Bromoform	ND		1.0	0.26	ug/L			09/21/18 23:27	1
Bromomethane	ND		1.0	0.69	ug/L			09/21/18 23:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/21/18 23:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/21/18 23:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/21/18 23:27	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/21/18 23:27	1
Chloroethane	ND		1.0	0.32	ug/L			09/21/18 23:27	1
Chloroform	ND		1.0	0.34	ug/L			09/21/18 23:27	1
Chloromethane	ND		1.0	0.35	ug/L			09/21/18 23:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/21/18 23:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/21/18 23:27	1
Cyclohexane	ND		1.0	0.18	ug/L			09/21/18 23:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/21/18 23:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/21/18 23:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/21/18 23:27	1
Methyl acetate	ND		1.3	1.3	ug/L			09/21/18 23:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/21/18 23:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/21/18 23:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/21/18 23:27	1
Styrene	ND		1.0	0.73	ug/L			09/21/18 23:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/21/18 23:27	1
Toluene	ND		1.0	0.51	ug/L			09/21/18 23:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/21/18 23:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/21/18 23:27	1
Trichloroethene	ND		1.0	0.46	ug/L			09/21/18 23:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/21/18 23:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/21/18 23:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/21/18 23:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/21/18 23:27*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/21/18 23:27*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/21/18 23:27*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/21/18 23:27*	*1*

Lab Sample ID: LCS 480-435667/5
Matrix: Water
Analysis Batch: 435667

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.4		ug/L		106	76 - 120
1,1,2-Trichloroethane	25.0	27.8		ug/L		111	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	17.2		ug/L		69	61 - 148
1,1-Dichloroethane	25.0	27.2		ug/L		109	77 - 120
1,1-Dichloroethene	25.0	26.4		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	24.3		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.0		ug/L		96	56 - 134
1,2-Dibromoethane (EDB)	25.0	29.0		ug/L		116	77 - 120
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	25.3		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	27.8		ug/L		111	76 - 120
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 120
2-Hexanone	125	128		ug/L		103	65 - 127
2-Butanone (MEK)	125	128		ug/L		102	57 - 140
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	131		ug/L		104	56 - 142
Benzene	25.0	26.1		ug/L		104	71 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Bromoform	25.0	28.8		ug/L		115	61 - 132
Bromomethane	25.0	25.4		ug/L		102	55 - 144
Carbon disulfide	25.0	25.3		ug/L		101	59 - 134
Carbon tetrachloride	25.0	26.9		ug/L		107	72 - 134
Chlorobenzene	25.0	27.8		ug/L		111	80 - 120
Chlorodibromomethane	25.0	32.9	*	ug/L		131	75 - 125
Chloroethane	25.0	23.1		ug/L		92	69 - 136
Chloroform	25.0	26.6		ug/L		106	73 - 127
Chloromethane	25.0	22.2		ug/L		89	68 - 124
cis-1,2-Dichloroethene	25.0	27.9		ug/L		112	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	22.1		ug/L		88	59 - 135
Dichlorodifluoromethane	25.0	16.7		ug/L		67	59 - 135
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
Isopropylbenzene	25.0	24.7		ug/L		99	77 - 122
Methyl acetate	50.0	47.2		ug/L		94	74 - 133
Methyl tert-butyl ether	25.0	27.9		ug/L		112	77 - 120
Methylcyclohexane	25.0	23.3		ug/L		93	68 - 134
Methylene Chloride	25.0	28.9		ug/L		116	75 - 124
Styrene	25.0	26.9		ug/L		108	80 - 120
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	27.7		ug/L		111	80 - 122
trans-1,2-Dichloroethene	25.0	26.6		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	27.8		ug/L		111	80 - 120

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

Lab Sample ID: LCS 480-435667/5
Matrix: Water
Analysis Batch: 435667

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	26.6		ug/L		107	74 - 123
Trichlorofluoromethane	25.0	24.9		ug/L		100	62 - 150
Vinyl chloride	25.0	23.4		ug/L		93	65 - 133

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-436143/28
Matrix: Water
Analysis Batch: 436143

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			09/26/18 14:18	1
Sulfate	0.386	J	2.0	0.35	mg/L			09/26/18 14:18	1

Lab Sample ID: LCS 480-436143/27
Matrix: Water
Analysis Batch: 436143

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	48.66		mg/L		97	90 - 110
Sulfate	50.0	47.97		mg/L		96	90 - 110

Lab Sample ID: 480-142089-2 MS
Matrix: Water
Analysis Batch: 436143

Client Sample ID: MW6S092018
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	43.6		250	288.8		mg/L		98	81 - 120
Sulfate	241	B	250	467.9		mg/L		91	80 - 120

Method: 310.2_ASP - Alkalinity - Colorimetric

Lab Sample ID: MB 480-436817/101
Matrix: Water
Analysis Batch: 436817

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	6.64	J	10.0	4.0	mg/L			09/28/18 14:02	1

Method: 310.2_ASP - Alkalinity - Colorimetric (Continued)

Lab Sample ID: MB 480-436817/134
Matrix: Water
Analysis Batch: 436817

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	5.18	J	10.0	4.0	mg/L			09/28/18 14:25	1

Lab Sample ID: MB 480-436817/14
Matrix: Water
Analysis Batch: 436817

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	5.44	J	10.0	4.0	mg/L			09/28/18 11:00	1

Lab Sample ID: MB 480-436817/95
Matrix: Water
Analysis Batch: 436817

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Bicarbonate	4.85	J	10.0	4.0	mg/L			09/28/18 13:55	1

Lab Sample ID: LCS 480-436817/102
Matrix: Water
Analysis Batch: 436817

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	47.04		mg/L		94	90 - 110

Lab Sample ID: LCS 480-436817/135
Matrix: Water
Analysis Batch: 436817

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	46.99		mg/L		94	90 - 110

Lab Sample ID: LCS 480-436817/15
Matrix: Water
Analysis Batch: 436817

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	47.34		mg/L		95	90 - 110

Lab Sample ID: LCS 480-436817/96
Matrix: Water
Analysis Batch: 436817

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Bicarbonate	50.0	48.58		mg/L		97	90 - 110

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-435673/3
Matrix: Water
Analysis Batch: 435673

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			09/21/18 17:40	1

Lab Sample ID: MB 480-435673/51
Matrix: Water
Analysis Batch: 435673

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			09/21/18 18:33	1

Lab Sample ID: LCS 480-435673/4
Matrix: Water
Analysis Batch: 435673

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	1.49		mg/L		99	90 - 110

Lab Sample ID: LCS 480-435673/52
Matrix: Water
Analysis Batch: 435673

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	1.50	1.48		mg/L		99	90 - 110

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 490-546687/2
Matrix: Water
Analysis Batch: 546687

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			09/27/18 19:18	1

Lab Sample ID: LCS 490-546687/3
Matrix: Water
Analysis Batch: 546687

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	0.910		mg/L		91	90 - 110

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

Lab Sample ID: MB 480-436851/25
Matrix: Water
Analysis Batch: 436851

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	0.602	J	1.0	0.43	mg/L			09/28/18 04:46	1

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

Lab Sample ID: MB 480-436851/34
Matrix: Water
Analysis Batch: 436851

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	0.702	J	1.0	0.43	mg/L			09/28/18 10:54	1

Lab Sample ID: LCS 480-436851/26
Matrix: Water
Analysis Batch: 436851

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	60.0	59.44		mg/L		99	90 - 110

Lab Sample ID: LCS 480-436851/35
Matrix: Water
Analysis Batch: 436851

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dissolved Organic Carbon - Duplicate	60.0	59.93		mg/L		100	90 - 110

QC Association Summary

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

TestAmerica Job ID: 480-142089-1

GC/MS VOA

Analysis Batch: 435667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-142089-1	MW5S092018	Total/NA	Water	8260C	
480-142089-2	MW6S092018	Total/NA	Water	8260C	
480-142089-3	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-435667/7	Method Blank	Total/NA	Water	8260C	
LCS 480-435667/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 435673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-142089-1	MW5S092018	Total/NA	Water	353.2	
MB 480-435673/3	Method Blank	Total/NA	Water	353.2	
MB 480-435673/51	Method Blank	Total/NA	Water	353.2	
LCS 480-435673/4	Lab Control Sample	Total/NA	Water	353.2	
LCS 480-435673/52	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 435681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-142089-2	MW6S092018	Total/NA	Water	353.2	

Analysis Batch: 435684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-142089-1	MW5S092018	Total/NA	Water	353.2	
480-142089-2	MW6S092018	Total/NA	Water	353.2	

Analysis Batch: 436143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-142089-1	MW5S092018	Total/NA	Water	300.0	
480-142089-2	MW6S092018	Total/NA	Water	300.0	
MB 480-436143/28	Method Blank	Total/NA	Water	300.0	
LCS 480-436143/27	Lab Control Sample	Total/NA	Water	300.0	
480-142089-2 MS	MW6S092018	Total/NA	Water	300.0	

Analysis Batch: 436817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-142089-1	MW5S092018	Total/NA	Water	310.2_ASP	
480-142089-2	MW6S092018	Total/NA	Water	310.2_ASP	
MB 480-436817/101	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-436817/134	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-436817/14	Method Blank	Total/NA	Water	310.2_ASP	
MB 480-436817/95	Method Blank	Total/NA	Water	310.2_ASP	
LCS 480-436817/102	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-436817/135	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-436817/15	Lab Control Sample	Total/NA	Water	310.2_ASP	
LCS 480-436817/96	Lab Control Sample	Total/NA	Water	310.2_ASP	

Analysis Batch: 436851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-142089-1	MW5S092018	Dissolved	Water	SM 5310C	
480-142089-2	MW6S092018	Dissolved	Water	SM 5310C	

General Chemistry (Continued)

Analysis Batch: 436851 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-436851/25	Method Blank	Dissolved	Water	SM 5310C	
MB 480-436851/34	Method Blank	Dissolved	Water	SM 5310C	
LCS 480-436851/26	Lab Control Sample	Dissolved	Water	SM 5310C	
LCS 480-436851/35	Lab Control Sample	Dissolved	Water	SM 5310C	

Analysis Batch: 546687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-142089-1	MW5S092018	Total/NA	Water	SM 4500 S2 D	
480-142089-2	MW6S092018	Total/NA	Water	SM 4500 S2 D	
MB 490-546687/2	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 490-546687/3	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: 480-142089-1

Client Sample ID: MW5S092018

Lab Sample ID: 480-142089-1

Date Collected: 09/20/18 07:45

Matrix: Water

Date Received: 09/20/18 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435667	09/22/18 05:54	AMM	TAL BUF
Total/NA	Analysis	300.0		2	436143	09/26/18 16:44	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		3	436817	09/28/18 14:33	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435673	09/21/18 17:54	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435684	09/21/18 17:54	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	546687	09/27/18 19:18	REM	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 13:58	SMH	TAL BUF

Client Sample ID: MW6S092018

Lab Sample ID: 480-142089-2

Date Collected: 09/20/18 08:50

Matrix: Water

Date Received: 09/20/18 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435667	09/22/18 06:17	AMM	TAL BUF
Total/NA	Analysis	300.0		5	436143	09/26/18 16:53	DMR	TAL BUF
Total/NA	Analysis	310.2_ASP		5	436817	09/28/18 14:33	SAH	TAL BUF
Total/NA	Analysis	353.2		1	435681	09/21/18 14:34	DCB	TAL BUF
Total/NA	Analysis	353.2		1	435684	09/21/18 14:34	DCB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	546687	09/27/18 19:18	REM	TAL NSH
Dissolved	Analysis	SM 5310C		1	436851	09/28/18 14:13	SMH	TAL BUF

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-142089-3

Date Collected: 09/20/18 00:00

Matrix: Water

Date Received: 09/20/18 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	435667	09/22/18 06:40	AMM	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: 480-142089-1

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	03-31-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 5310C		Water	Dissolved Organic Carbon - Duplicate

Laboratory: 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	03-31-19

Method Summary

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

TestAmerica Job ID: 480-142089-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
310.2_ASP	Alkalinity - Colorimetric	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL NSH
SM 5310C	Organic Carbon, Dissolved (DOC)	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = 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: 480-142089-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-142089-1	MW5S092018	Water	09/20/18 07:45	09/20/18 11:55
480-142089-2	MW6S092018	Water	09/20/18 08:50	09/20/18 11:55
480-142089-3	QC TRIP BLANK	Water	09/20/18 00:00	09/20/18 11:55

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
TestAmerica Job ID: 480-142089-1
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 Koenigbauer	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-118264-27221.3
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 3 of 3
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis Requested
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#:	

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	300.0_28D - Cl, SO4	353.2, 353.2_Nitrite, Nitrate_Calc	SM5310_DOC_C - Dissolved Organic Carbon	310.2 - Alkalinity	SM4500_S2_D - Total Sulfide	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	A	N	CB	A		
MW 55 092018	9-20-18	7:45	G	Water			3	1	2	2	1	1			
MW 65 092018	9-20-18	8:50	G	Water			3	1	2	2	1	1			
QC TRIP BLANKS				W									2		

480-142089 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 Koenigbauer	9-20-18 / 11:55	OBG	Annikow Cikolb	092018 1155	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 4.3°C

Ver: 08/04/2016

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Kansas City

480-142089 Chain of Custody

Cooler Received/Opened On 09-25-2018 @ 10:10

Time Samples Removed From Cooler 12:28 Time Samples Placed In Storage 12:29 (2 Hour Window)

1. Tracking # 7583 (last 4 digits, FedEx) Courier: _FedEx_

IR Gun ID 17960358 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 2.9 *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 Blank

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) KD

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? 9/25 YES...NO...NA

Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial)

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial)

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial)

I certify that I attached a label with the unique LIMS number to each container (intial)

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...# 9/25 9/25

BIS = Broken in shipment

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

Chain of Custody Record

480-142089

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Deyo, Melissa L	COC No: 480-45073.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: melissa.deyo@testamericainc.com / State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York	Job #: 480-142089-1
Address: 2960 Foster Creighton Drive,	Due Date Requested: 10/2/2018		
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#:		

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

Analysis Requested

Sample Identification - 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:					
MW5S092018 (480-142089-1)	9/20/18	07:45 Eastern		Water			X	1	
MW6S092018 (480-142089-2)	9/20/18	08:50 Eastern		Water			X	1	

Loc: 480
142089

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 compliance 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: 9/24/18 1115	Company: [signature]	Received by: [signature]	Date/Time: 9/25/18 10:10	Company: TA-NAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 8.9		

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-142089-1

Login Number: 142089
List Number: 1
Creator: Hulbert, Michael J

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	O'BRIEN & GERE
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: 480-142090-1
Client Project/Site: Forest Glen Discharge Analysis

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

Attn: Mr. David J Carnevale

Authorized for release by:
9/26/2018 12:53:38 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

Table of Contents

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: 480-142090-1

Job ID: 480-142090-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-142090-1

Receipt
The samples were received on 9/19/2018 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8º C.

GC/MS VOA
Method(s) 624.1: The following Volatile sample(s) was composited by the laboratory on 9/24/2018 as requested by the client: RW-1 LAB COMPOSITE (480-142090-1), RW-2 LAB COMPOSITE (480-142090-6) and RW-3 LAB COMPOSITE (480-142090-11). 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: 480-142090-1

Client Sample ID: RW-1 LAB COMPOSITE — Lab Sample ID: 480-142090-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.74	J	5.0	0.39	ug/L	1		624.1	Total/NA
1,1-Dichloroethane	3.0	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	13		5.0	0.57	ug/L	1		624.1	Total/NA
Vinyl chloride	5.6		5.0	0.75	ug/L	1		624.1	Total/NA

Client Sample ID: RW-2 LAB COMPOSITE — Lab Sample ID: 480-142090-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.72	J	5.0	0.59	ug/L	1		624.1	Total/NA
cis-1,2-Dichloroethylene	2.0	J	5.0	0.57	ug/L	1		624.1	Total/NA
Vinyl chloride	1.7	J	5.0	0.75	ug/L	1		624.1	Total/NA

Client Sample ID: RW-3 LAB COMPOSITE — Lab Sample ID: 480-142090-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	21		5.0	0.57	ug/L	1		624.1	Total/NA
Vinyl chloride	5.2		5.0	0.75	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-142090-1

Date Collected: 09/18/18 11:20
Matrix: Water
Date Received: 09/19/18 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.74**	**J**	5.0	0.39	ug/L			09/24/18 12:41	1
1,1-Dichloroethane	**3.0**	**J**	5.0	0.59	ug/L			09/24/18 12:41	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/24/18 12:41	1
cis-1,2-Dichloroethylene	**13**		5.0	0.57	ug/L			09/24/18 12:41	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/24/18 12:41	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/24/18 12:41	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/24/18 12:41	1
Vinyl chloride	**5.6**		5.0	0.75	ug/L			09/24/18 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 130*		*09/24/18 12:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*09/24/18 12:41*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/24/18 12:41*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*09/24/18 12:41*	*1*

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-142090-6

Date Collected: 09/18/18 11:20
Matrix: Water
Date Received: 09/19/18 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/24/18 13:05	1
1,1-Dichloroethane	**0.72**	**J**	5.0	0.59	ug/L			09/24/18 13:05	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/24/18 13:05	1
cis-1,2-Dichloroethylene	**2.0**	**J**	5.0	0.57	ug/L			09/24/18 13:05	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/24/18 13:05	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/24/18 13:05	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/24/18 13:05	1
Vinyl chloride	**1.7**	**J**	5.0	0.75	ug/L			09/24/18 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*09/24/18 13:05*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*09/24/18 13:05*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/24/18 13:05*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*09/24/18 13:05*	*1*

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-142090-11

Date Collected: 09/18/18 11:20
Matrix: Water
Date Received: 09/19/18 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			09/24/18 13:29	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/24/18 13:29	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/24/18 13:29	1
cis-1,2-Dichloroethylene	**21**		5.0	0.57	ug/L			09/24/18 13:29	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/24/18 13:29	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/24/18 13:29	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/24/18 13:29	1
Vinyl chloride	**5.2**		5.0	0.75	ug/L			09/24/18 13:29	1

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

TestAmerica Job ID: 480-142090-1

Client Sample ID: RW-3 LAB COMPOSITE
Date Collected: 09/18/18 11:20
Date Received: 09/19/18 17:00

Lab Sample ID: 480-142090-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		68 - 130		09/24/18 13:29	1
4-Bromofluorobenzene (Surr)	102		76 - 123		09/24/18 13:29	1
Dibromofluoromethane (Surr)	104		75 - 123		09/24/18 13:29	1
Toluene-d8 (Surr)	97		77 - 120		09/24/18 13:29	1

Surrogate Summary

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

TestAmerica Job ID: 480-142090-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(75-123)	(77-120)
480-142090-1	RW-1 LAB COMPOSITE	113	102	108	100
480-142090-6	RW-2 LAB COMPOSITE	109	102	106	98
480-142090-11	RW-3 LAB COMPOSITE	109	102	104	97
LCS 480-435771/5	Lab Control Sample	106	100	106	98
MB 480-435771/7	Method Blank	110	100	105	97

Surrogate Legend

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

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

Lab Sample ID: MB 480-435771/7
Matrix: Water
Analysis Batch: 435771

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			09/24/18 10:56	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/24/18 10:56	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/24/18 10:56	1
cis-1,2-Dichloroethylene	ND		5.0	0.57	ug/L			09/24/18 10:56	1
Tetrachloroethylene	ND		5.0	0.34	ug/L			09/24/18 10:56	1
trans-1,2-Dichloroethylene	ND		5.0	0.59	ug/L			09/24/18 10:56	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/24/18 10:56	1
Vinyl chloride	ND		5.0	0.75	ug/L			09/24/18 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 130*		*09/24/18 10:56*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*09/24/18 10:56*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/24/18 10:56*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*09/24/18 10:56*	*1*

Lab Sample ID: LCS 480-435771/5
Matrix: Water
Analysis Batch: 435771

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			20.0	19.3		ug/L		96	52 - 162		
1,1-Dichloroethane			20.0	19.4		ug/L		97	59 - 155		
1,1-Dichloroethylene			20.0	17.0		ug/L		85	1 - 234		
Tetrachloroethylene			20.0	17.6		ug/L		88	64 - 148		
trans-1,2-Dichloroethylene			20.0	18.5		ug/L		93	54 - 156		
Trichloroethylene			20.0	18.5		ug/L		92	71 - 157		
Vinyl chloride			20.0	17.4		ug/L		87	1 - 251		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*98*		*77 - 120*

QC Association Summary

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

TestAmerica Job ID: 480-142090-1

GC/MS VOA

Analysis Batch: 435771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-142090-1	RW-1 LAB COMPOSITE	Total/NA	Water	624.1	
480-142090-6	RW-2 LAB COMPOSITE	Total/NA	Water	624.1	
480-142090-11	RW-3 LAB COMPOSITE	Total/NA	Water	624.1	
MB 480-435771/7	Method Blank	Total/NA	Water	624.1	
LCS 480-435771/5	Lab Control Sample	Total/NA	Water	624.1	

Lab Chronicle

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

TestAmerica Job ID: 480-142090-1

Client Sample ID: RW-1 LAB COMPOSITE

Lab Sample ID: 480-142090-1

Date Collected: 09/18/18 11:20

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	435771	09/24/18 12:41	S1V	TAL BUF

Client Sample ID: RW-2 LAB COMPOSITE

Lab Sample ID: 480-142090-6

Date Collected: 09/18/18 11:20

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	435771	09/24/18 13:05	S1V	TAL BUF

Client Sample ID: RW-3 LAB COMPOSITE

Lab Sample ID: 480-142090-11

Date Collected: 09/18/18 11:20

Matrix: Water

Date Received: 09/19/18 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	435771	09/24/18 13:29	S1V	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-142090-1

Laboratory: TestAmerica Buffalo

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

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

Method Summary

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

TestAmerica Job ID: 480-142090-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-142090-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-142090-1	RW-1 LAB COMPOSITE	Water	09/18/18 11:20	09/19/18 17:00
480-142090-6	RW-2 LAB COMPOSITE	Water	09/18/18 11:20	09/19/18 17:00
480-142090-11	RW-3 LAB COMPOSITE	Water	09/18/18 11:20	09/19/18 17:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN KOENNECKE	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-118262-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 2
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis 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#:	

Preservation Codes:
A - HCL M - Hexane
B - NaO
C - Zn A
D - Nitri
E - NaH
F - MeC
G - Amc
H - Asc ahydrate
I - Ice
J - DI W
K - EDT 480-142090 COC
L - EDA
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 091718	9-17-18	11:30	G	Water			3		
RW-2 091718	9-17-18	11:30	G	Water			3		To Be Composited By LABS
RW-3 091718	9-17-18	11:30	G	Water			3		
RW-1 091718	9-17-18	14:15	G	W			3		
RW-2 091718	9-17-18	14:15	G	W			3		
RW-3 091718	9-17-18	14:15	G	W			3		
RW-1 091818	9-18-18	8:40	G	W			3		
RW-2 091818	9-18-18	8:40	G	W			3		
RW-3 091818	9-18-18	8:40	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
[signature]	9-17-18 17:00	OBG	[signature]	9/17/18 1700	TAS
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: 4.8 #1

Ver: 08/04/2016

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koennecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-118262-14318.1
Client Contact: Mr. Yuri Veliz	Phone: 315-724-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:

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

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	624.1_PREC - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 091818	9-18-18	11:20	G	Water			3		
RW-2 091818	9-18-18	11:20	G	Water			3		TO BE COMPOSITED
RW-3 091818	9-18-18	11:20	G	Water			3		BY LABS

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9-19-18 / 17:00	OBG		9/19/18 1700	
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: 4.8 #1

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-142090-1

Login Number: 142090

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.	N/A	

Pace Analytical Energy Services LLC
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Pittsburgh, PA 15238
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October 3, 2018

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

RE: **FORREST GLEN**

Pace Workorder: 28108

Dear David Carnevale:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, September 20, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ruth Welsh 10/03/2018
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 31

CERTIFICATE OF ANALYSIS

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

LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water
Accreditor:	West Virginia Department of Environmental Protection, Division of Water and Waste Management
Accreditation ID:	395
Scope:	Non-Potable Water
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	State of Virginia
Accreditation ID:	460201
Scope:	Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, PAES is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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SAMPLE SUMMARY

Workorder: 28108 FORREST GLEN

Lab ID	Sample ID	Matrix	Date Collected	Date Received
281080001	MW8D091818	Water	9/18/2018 09:55	9/20/2018 10:30
281080002	MW8DD091818	Water	9/18/2018 10:15	9/20/2018 10:30
281080003	MW8S091818	Water	9/18/2018 12:05	9/20/2018 10:30
281080004	MW7D091818	Water	9/18/2018 12:40	9/20/2018 10:30
281080005	MW7DD2091818	Water	9/18/2018 14:00	9/20/2018 10:30
281080006	MW7S091818	Water	9/18/2018 14:20	9/20/2018 10:30
281080007	MW1S091818	Water	9/18/2018 16:20	9/20/2018 10:30
281080008	MW1D091818	Water	9/18/2018 16:25	9/20/2018 10:30
281080009	MW10D091918	Water	9/19/2018 08:40	9/20/2018 10:30
281080010	MW10D MSD 091918	Water	9/19/2018 08:40	9/20/2018 10:30
281080011	MW10D MS 091918	Water	9/19/2018 08:40	9/20/2018 10:30
281080012	MW10S091918	Water	9/19/2018 10:45	9/20/2018 10:30
281080013	X-1 091918	Water	9/19/2018 00:00	9/20/2018 10:30
281080014	MW6D091918	Water	9/19/2018 10:45	9/20/2018 10:30
281080015	MW6DD091918	Water	9/19/2018 12:55	9/20/2018 10:30
281080016	MW4D091918	Water	9/19/2018 13:05	9/20/2018 10:30
281080017	MW5D091918	Water	9/19/2018 14:55	9/20/2018 10:30

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PROJECT SUMMARY

Workorder: 28108 FORREST GLEN

Workorder Comments

The container pH for samples 28108 (0001, 0005) were measured as below the expected pH (< 10) for those samples preserved with trisodium phosphate, as assigned to PAES method RSK175.

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080001** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW8D091818** Date Collected: 9/18/2018 09:55

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**260**	ug/l	0.50	0.061	1	9/25/2018 08:53	AK	
Ethane	**0.19J**	ug/l	0.20	0.032	1	9/25/2018 08:53	AK	
Ethene	**0.024J**	ug/l	0.20	0.0064	1	9/25/2018 08:53	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080002** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW8DD091818** Date Collected: 9/18/2018 10:15

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	0.061	1	9/25/2018 09:04	AK	
Ethane	**1.6**	ug/l	0.20	0.032	1	9/25/2018 09:04	AK	
Ethene	**0.013J**	ug/l	0.20	0.0064	1	9/25/2018 09:04	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080003** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW8S091818** Date Collected: 9/18/2018 12:05

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**1.8**	ug/l	0.50	0.061	1	9/25/2018 09:16	AK	
Ethane	**0.032U**	ug/l	0.20	0.032	1	9/25/2018 09:16	AK	
Ethene	**0.010J**	ug/l	0.20	0.0064	1	9/25/2018 09:16	AK	

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080004** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW7D091818** Date Collected: 9/18/2018 12:40

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	0.061	1	9/25/2018 09:27	AK	
Ethane	**0.032U**	ug/l	0.20	0.032	1	9/25/2018 09:27	AK	
Ethene	**0.013J**	ug/l	0.20	0.0064	1	9/25/2018 09:27	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080005** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW7DD2091818** Date Collected: 9/18/2018 14:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**910**	ug/l	2.5	0.30	5	9/27/2018 12:08	AK	d
Ethane	**5.4**	ug/l	0.20	0.032	1	9/25/2018 09:37	AK	
Ethene	**0.0064U**	ug/l	0.20	0.0064	1	9/25/2018 09:37	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080006** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW7S091818** Date Collected: 9/18/2018 14:20

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	0.061	1	9/25/2018 09:48	AK	
Ethane	**0.032U**	ug/l	0.20	0.032	1	9/25/2018 09:48	AK	
Ethene	**0.0071J**	ug/l	0.20	0.0064	1	9/25/2018 09:48	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080007** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW1S091818** Date Collected: 9/18/2018 16:20

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**2.4**	ug/l	0.50	0.061	1	9/25/2018 09:58	AK	
Ethane	**0.032U**	ug/l	0.20	0.032	1	9/25/2018 09:58	AK	
Ethene	**0.0064U**	ug/l	0.20	0.0064	1	9/25/2018 09:58	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080008** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW1D091818** Date Collected: 9/18/2018 16:25

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**22**	ug/l	0.50	0.061	1	9/25/2018 11:01	AK	
Ethane	**0.11J**	ug/l	0.20	0.032	1	9/25/2018 11:01	AK	
Ethene	**0.014J**	ug/l	0.20	0.0064	1	9/25/2018 11:01	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080009** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW10D091918** Date Collected: 9/19/2018 08:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**84**	ug/l	0.50	0.061	1	9/25/2018 10:08	AK	
Ethane	**0.094J**	ug/l	0.20	0.032	1	9/25/2018 10:08	AK	
Ethene	**0.0064U**	ug/l	0.20	0.0064	1	9/25/2018 10:08	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080010** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW10D MSD 091918** Date Collected: 9/19/2018 08:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**120**	ug/l	0.50	0.061	1	9/25/2018 10:19	AK	
Ethane	**81**	ug/l	0.20	0.032	1	9/25/2018 10:19	AK	
Ethene	**78**	ug/l	0.20	0.0064	1	9/25/2018 10:19	AK	

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

ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080011** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW10D MS 091918** Date Collected: 9/19/2018 08:40

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**120**	ug/l	0.50	0.061	1	9/25/2018 10:30	AK	
Ethane	**82**	ug/l	0.20	0.032	1	9/25/2018 10:30	AK	
Ethene	**79**	ug/l	0.20	0.0064	1	9/25/2018 10:30	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080012** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW10S091918** Date Collected: 9/19/2018 10:45

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**28**	ug/l	0.50	0.061	1	9/25/2018 11:12	AK	
Ethane	**0.072J**	ug/l	0.20	0.032	1	9/25/2018 11:12	AK	
Ethene	**0.082J**	ug/l	0.20	0.0064	1	9/25/2018 11:12	AK	

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Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080013** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **X-1 091918** Date Collected: 9/19/2018 00:00

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**29**	ug/l	0.50	0.061	1	9/25/2018 11:23	AK	
Ethane	**0.067J**	ug/l	0.20	0.032	1	9/25/2018 11:23	AK	
Ethene	**0.076J**	ug/l	0.20	0.0064	1	9/25/2018 11:23	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080014** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW6D091918** Date Collected: 9/19/2018 10:45

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**180**	ug/l	0.50	0.061	1	9/25/2018 11:33	AK	
Ethane	**0.20J**	ug/l	0.20	0.032	1	9/25/2018 11:33	AK	
Ethene	**0.088J**	ug/l	0.20	0.0064	1	9/25/2018 11:33	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080015** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW6DD091918** Date Collected: 9/19/2018 12:55

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**120**	ug/l	0.50	0.061	1	9/25/2018 11:44	AK	
Ethane	**0.22**	ug/l	0.20	0.032	1	9/25/2018 11:44	AK	
Ethene	**0.26**	ug/l	0.20	0.0064	1	9/25/2018 11:44	AK	

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080016** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW4D091918** Date Collected: 9/19/2018 13:05

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**32**	ug/l	0.50	0.061	1	9/25/2018 11:54	AK	
Ethane	**0.20**	ug/l	0.20	0.032	1	9/25/2018 11:54	AK	
Ethene	**0.041J**	ug/l	0.20	0.0064	1	9/25/2018 11:54	AK	

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ANALYTICAL RESULTS

Workorder: 28108 FORREST GLEN

Lab ID: **281080017** Date Received: 9/20/2018 10:30 Matrix: Water

Sample ID: **MW5D091918** Date Collected: 9/19/2018 14:55

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**43**	ug/l	0.50	0.061	1	9/25/2018 12:05	AK	
Ethane	**0.075J**	ug/l	0.20	0.032	1	9/25/2018 12:05	AK	
Ethene	**0.015J**	ug/l	0.20	0.0064	1	9/25/2018 12:05	AK	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 28108 FORREST GLEN

DEFINITIONS/QUALIFIERS

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).
d	The analyte concentration was determined from a dilution.

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QUALITY CONTROL DATA

Workorder: 28108 FORREST GLEN

QC Batch: DISG/7085 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 281080001, 281080002, 281080003, 281080004, 281080005, 281080006, 281080007, 281080008, 281080009, 281080010, 281080011, 281080012, 281080013, 281080014, 281080015, 281080016, 281080017

METHOD BLANK: 57610

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.061U	0.061	
Ethane	ug/l	0.032U	0.032	
Ethene	ug/l	0.0064U	0.0064	

LABORATORY CONTROL SAMPLE & LCSD: 57611 57612

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	44	46	46	103	103	85-115	0.71	20	
Ethane	ug/l	83	85	85	102	102	85-115	0.35	20	
Ethene	ug/l	78	82	82	106	105	85-115	0.47	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 57613 57614 Original: 281080009

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK											
Methane	ug/l	84	44	120	120	80	74	70-130	2.2	20	
Ethane	ug/l	0.094	83	81	82	98	98	70-130	0.32	20	
Ethene	ug/l	0.0059	78	78	79	101	101	70-130	0.69	20	

SAMPLE DUPLICATE: 57630 Original: 281080008

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	22	22	2	20	
Ethane	ug/l	.11	.11	3.5	20	
Ethene	ug/l	.014	.014	1.4	20	

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QUALITY CONTROL DATA

Workorder: 28108 FORREST GLEN

QC Batch: DISG/7090 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 281080005

METHOD BLANK: 57659

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.061U	0.061	

LABORATORY CONTROL SAMPLE & LCSD: 57660 57661

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	44	47	46	106	104	85-115	1.6	20	

SAMPLE DUPLICATE: 57670 Original: 281660002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	130	130	1.3	20	

SAMPLE DUPLICATE: 57677 Original: 281200001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	1.2	1.1	4.1	20	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 28108 FORREST GLEN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
281080001	MW8D091818			EPA RSK175	DISG/7085
281080002	MW8DD091818			EPA RSK175	DISG/7085
281080003	MW8S091818			EPA RSK175	DISG/7085
281080004	MW7D091818			EPA RSK175	DISG/7085
281080005	MW7DD2091818			EPA RSK175	DISG/7085
281080006	MW7S091818			EPA RSK175	DISG/7085
281080007	MW1S091818			EPA RSK175	DISG/7085
281080008	MW1D091818			EPA RSK175	DISG/7085
281080009	MW10D091918			EPA RSK175	DISG/7085
281080010	MW10D MSD 091918			EPA RSK175	DISG/7085
281080011	MW10D MS 091918			EPA RSK175	DISG/7085
281080012	MW10S091918			EPA RSK175	DISG/7085
281080013	X-1 091918			EPA RSK175	DISG/7085
281080014	MW6D091918			EPA RSK175	DISG/7085
281080015	MW6DD091918			EPA RSK175	DISG/7085
281080016	MW4D091918			EPA RSK175	DISG/7085
281080017	MW5D091918			EPA RSK175	DISG/7085
281080005	MW7DD2091818			EPA RSK175	DISG/7090

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28108

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

013052

Section A — **Required** Client Information:
- Company: OBRIEN & GERE
- Address: 333 WEST WASHINGTON ST
- PO BOX 4873 E. SYRACUSE 13221
- Email To: YURI.VELIZ@OBG.com
- Phone: 315-956-6100 Fax: 315-463-7554
- Requested Due Date/TAT:

Section B — **Required** Project Information:
- Report To: YURI VELIZ
- Copy To:
- Purchase Order No.:
- Project Name: FORREST GLEN MONITORING
- 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	SAMPLE TYPE (G=GRAB C=COMP)	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	Analysis Test Y/N	MEE	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW 8D 091818	WT	G	9-18-18	9:55									X					3		
2	MW 8DD 091818	WT	G	9-18-18	10:15									X					3		
3	MW 8S 091818	WT	G	9-18-18	12:05									X					3		
4	MW 7D 091818	WT	G	9-18-18	12:40									X					3		
5	MW 7DD2 091818	WT	G	9-18-18	14:00									X					3		
6	MW 7S 091818	WT	G	9-18-18	14:20									X					3		
7	MW 1S 091818	WT	G	9-18-18	16:20									X					3		
8	MW 1D 091818	WT	G	9-18-18	16:25									X					3		
9	MW 10D 091918	WT	G	9-19-18	8:40									X					3		
10	MW 10D MSD 091918	WT	G	9-19-18	8:40									X					3		
11	MW 10D MS 091918	WT	G	9-19-18	8:40									X					3		
12	MW 10S 091918	WT	G	9-19-18	10:45									X					3		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Martin Koennecke / OBG	9-19-18	16:20	[signature] / PACE	9-20-18	1030	1	Y	N	N

ORIGINAL

SAMPLER NAME AND SIGNATURE
- PRINT Name of SAMPLER: MARTIN Koennecke
- SIGNATURE of SAMPLER: [signature]
- DATE Signed (MM/DD/YY): 091918

*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

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

October 3, 2018

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

RE: **FORREST GLEN**

Pace Workorder: 28120

Dear David Carnevale:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, September 21, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ruth Welsh 10/03/2018
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 10

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
Accreditor:	West Virginia Department of Environmental Protection, Division of Water and Waste Management
Accreditation ID:	395
Scope:	Non-Potable Water
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	State of Virginia
Accreditation ID:	460201
Scope:	Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, PAES is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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

SAMPLE SUMMARY

Workorder: 28120 FORREST GLEN

Lab ID	Sample ID	Matrix	Date Collected	Date Received
281200001	MW5S 092018	Water	9/20/2018 07:45	9/21/2018 12:45
281200002	MW6S 092018	Water	9/20/2018 08:50	9/21/2018 12:45

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ANALYTICAL RESULTS

Workorder: 28120 FORREST GLEN

Lab ID: **281200001** Date Received: 9/21/2018 12:45 Matrix: Water

Sample ID: **MW5S 092018** Date Collected: 9/20/2018 07:45

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**1.2**	ug/l	0.50	0.061	1	9/27/2018 09:51	AK	
Ethane	**0.032U**	ug/l	0.20	0.032	1	9/27/2018 09:51	AK	
Ethene	**0.026J**	ug/l	0.20	0.0064	1	9/27/2018 09:51	AK	

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS

Workorder: 28120 FORREST GLEN

Lab ID: **281200002** Date Received: 9/21/2018 12:45 Matrix: Water

Sample ID: **MW6S 092018** Date Collected: 9/20/2018 08:50

Parameters	Results	Units	PQL	MDL	DF	Analyzed	By	Qualifiers
RISK - PAES								
Analysis Desc: EPA RSK175		Analytical Method: EPA RSK175						
Methane	**0.96**	ug/l	0.50	0.061	1	9/27/2018 10:02	AK	
Ethane	**0.032U**	ug/l	0.20	0.032	1	9/27/2018 10:02	AK	
Ethene	**0.095J**	ug/l	0.20	0.0064	1	9/27/2018 10:02	AK	

CERTIFICATE OF ANALYSIS

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 28120 FORREST 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: 28120 FORREST GLEN

QC Batch: DISG/7090 Analysis Method: EPA RSK175

QC Batch Method: EPA RSK175

Associated Lab Samples: 281200001, 281200002

METHOD BLANK: 57659

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Methane	ug/l	0.061U	0.061	
Ethane	ug/l	0.032U	0.032	
Ethene	ug/l	0.0064U	0.0064	

LABORATORY CONTROL SAMPLE & LCSD: 57660 57661

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Methane	ug/l	44	47	46	106	104	85-115	1.6	20	
Ethane	ug/l	83	87	85	104	103	85-115	1.5	20	
Ethene	ug/l	78	84	82	108	106	85-115	2	20	

SAMPLE DUPLICATE: 57670 Original: 281660002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	130	130	1.3	20	
Ethane	ug/l	.0073	.0075	2.7	20	
Ethene	ug/l	.019	.02	8.7	20	

SAMPLE DUPLICATE: 57677 Original: 281200001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
RISK						
Methane	ug/l	1.2	1.1	4.1	20	
Ethane	ug/l	.017	.02	11	20	
Ethene	ug/l	.026	.025	3.2	20	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 28120 FORREST GLEN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
281200001	MW5S 092018			EPA RSK175	DISG/7090
281200002	MW6S 092018			EPA RSK175	DISG/7090

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28120

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

013054

Section A Required Client Information:

Company:	O'BRIEN & GERE
Address:	333 WEST WASHINGTON ST
	E. SYRACUSE NY PO BOX 4873
Email To:	YURI.VELIZ@OBG.COM
Phone:	315 956-6100
Fax:	
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	YURI VELIZ
Copy To:	
Purchase Order No.:	
Project Name:	FORREST GLEN MONITORING
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

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	Analysis Test Y/N	Analysis Test: MEE	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW 5S 092018	WT	G	9-20-18	7:45				3					X				Y	3		
2	MW 6S 092018	WT	G	9-20-18	8:50				3					X				Y	3		
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Marta Koennecke	9-20-18	11:35	Leon PACE	9.21	1015	5 Y N Y

ORIGINAL

SAMPLER NAME AND SIGNATURE: MARTA KOENNECKE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: Marta Koennecke

DATE Signed (MM/DD/YY): 09 20 18

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

*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.

November 2018

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: 480-145812-1
Client Project/Site: Forest Glen Monitoring

For:
O'Brien & Gere Inc of North America
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East Syracuse, New York 13221

Attn: Mr. David J Carnevale

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Authorized for release by:
11/30/2018 12:30:51 PM
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Definitions/Glossary

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

TestAmerica Job ID: 480-145812-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
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.
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	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: 480-145812-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-145812-1

Comments
No additional comments.

Receipt
The samples were received on 11/28/2018 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.3º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-447996 recovered above the upper control limit for 2-Hexanone, 2-Butanone (MEK), trans-1,3-Dichloropropene and cis-1,3-Dichloropropene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-8D-112818 (480-145812-1), MW-6DD-112818 (480-145812-2), MW-8S-112818 (480-145812-3), MW-8DD-112818 (480-145812-4), MW-10D-112818 (480-145812-5), MW-7D-112818 (480-145812-6), MW-7S-112818 (480-145812-7), MW-10S-112818 (480-145812-8), MW-7DD-112818 (480-145812-9), MW-5D-112818 (480-145812-10), X-1-112818 (480-145812-11), MW-1S-112718 (480-145812-12), MW-1D-112818 (480-145812-13), MW-6D-112718 (480-145812-14) and QC TRIP BLANK (480-145812-15).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-447996 recovered outside control limits for the following analytes: 2-Hexanone, trans-1,3-Dichloropropene and cis-1,3-Dichloropropene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: MW-8D-112818 (480-145812-1), MW-6DD-112818 (480-145812-2), MW-8S-112818 (480-145812-3), MW-8DD-112818 (480-145812-4), MW-10D-112818 (480-145812-5), MW-7D-112818 (480-145812-6), MW-7S-112818 (480-145812-7), MW-10S-112818 (480-145812-8), MW-7DD-112818 (480-145812-9), MW-5D-112818 (480-145812-10), X-1-112818 (480-145812-11), MW-1S-112718 (480-145812-12), MW-1D-112818 (480-145812-13), MW-6D-112718 (480-145812-14) and QC TRIP BLANK (480-145812-15).

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-1S-112718 (480-145812-12). 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.

Detection Summary

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

TestAmerica Job ID: 480-145812-1

Client Sample ID: MW-8D-112818 — Lab Sample ID: 480-145812-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.55	J	1.0	0.38	ug/L	1		8260C	Total/NA
Carbon disulfide	0.24	J B	1.0	0.19	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.22	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6DD-112818 — Lab Sample ID: 480-145812-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: MW-8S-112818 — Lab Sample ID: 480-145812-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.0		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.66	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.7		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-8DD-112818 — Lab Sample ID: 480-145812-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.17	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-10D-112818 — Lab Sample ID: 480-145812-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.23	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-7D-112818 — Lab Sample ID: 480-145812-6

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	0.94	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-7S-112818 — Lab Sample ID: 480-145812-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.39	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-10S-112818 — Lab Sample ID: 480-145812-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.19	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-7DD-112818 — Lab Sample ID: 480-145812-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.33	J B	1.0	0.19	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5D-112818 — Lab Sample ID: 480-145812-10

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-145812-1

Client Sample ID: MW-5D-112818 (Continued) — Lab Sample ID: 480-145812-10

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

Client Sample ID: X-1-112818 — Lab Sample ID: 480-145812-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.17	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1S-112718 — Lab Sample ID: 480-145812-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.94	J	2.0	0.88	ug/L	2		8260C	Total/NA

Client Sample ID: MW-1D-112818 — Lab Sample ID: 480-145812-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.66	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6D-112718 — Lab Sample ID: 480-145812-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.40	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.84	J	1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-145812-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-8D-112818
Date Collected: 11/28/18 09:48
Date Received: 11/28/18 16:30

Lab Sample ID: 480-145812-1
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	F2	1.0	0.82	ug/L			11/28/18 23:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/28/18 23:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/28/18 23:34	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/28/18 23:34	1
1,1-Dichloroethane	**0.55**	**J**	1.0	0.38	ug/L			11/28/18 23:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/28/18 23:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/28/18 23:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/28/18 23:34	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/28/18 23:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/28/18 23:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/28/18 23:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/28/18 23:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/28/18 23:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/28/18 23:34	1
2-Hexanone	ND	* F1	5.0	1.2	ug/L			11/28/18 23:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/28/18 23:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/28/18 23:34	1
Acetone	ND		10	3.0	ug/L			11/28/18 23:34	1
Benzene	ND	F2	1.0	0.41	ug/L			11/28/18 23:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/28/18 23:34	1
Bromoform	ND		1.0	0.26	ug/L			11/28/18 23:34	1
Bromomethane	ND		1.0	0.69	ug/L			11/28/18 23:34	1
Carbon disulfide	**0.24**	**J B**	1.0	0.19	ug/L			11/28/18 23:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/28/18 23:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/28/18 23:34	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/28/18 23:34	1
Chloroethane	ND		1.0	0.32	ug/L			11/28/18 23:34	1
Chloroform	ND		1.0	0.34	ug/L			11/28/18 23:34	1
Chloromethane	ND		1.0	0.35	ug/L			11/28/18 23:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/28/18 23:34	1
cis-1,3-Dichloropropene	ND	* F1	1.0	0.36	ug/L			11/28/18 23:34	1
Cyclohexane	ND		1.0	0.18	ug/L			11/28/18 23:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/28/18 23:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/18 23:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/28/18 23:34	1
Methyl acetate	ND		1.3	1.3	ug/L			11/28/18 23:34	1
Methyl tert-butyl ether	**0.22**	**J**	1.0	0.16	ug/L			11/28/18 23:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/28/18 23:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/28/18 23:34	1
Styrene	ND		1.0	0.73	ug/L			11/28/18 23:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/28/18 23:34	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 23:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/28/18 23:34	1
trans-1,3-Dichloropropene	ND	* F1	1.0	0.37	ug/L			11/28/18 23:34	1
Trichloroethene	ND		1.0	0.46	ug/L			11/28/18 23:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/28/18 23:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/28/18 23:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 23:34	1

Client Sample ID: MW-8D-112818

Lab Sample ID: 480-145812-1

Date Collected: 11/28/18 09:48

Matrix: Water

Date Received: 11/28/18 16:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/28/18 23:34*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/28/18 23:34*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/28/18 23:34*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/28/18 23:34*	*1*

Client Sample ID: MW-6DD-112818

Lab Sample ID: 480-145812-2

Date Collected: 11/28/18 09:58

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/29/18 00:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 00:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 00:01	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 00:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 00:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 00:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 00:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 00:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 00:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 00:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 00:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 00:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 00:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 00:01	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 00:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 00:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 00:01	1
Acetone	ND		10	3.0	ug/L			11/29/18 00:01	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 00:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 00:01	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 00:01	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 00:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 00:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 00:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 00:01	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 00:01	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 00:01	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 00:01	1
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 00:01	1
cis-1,2-Dichloroethene	**11**		1.0	0.81	ug/L			11/29/18 00:01	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 00:01	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 00:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 00:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 00:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 00:01	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 00:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/29/18 00:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 00:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 00:01	1

Client Sample ID: MW-6DD-112818

Date Collected: 11/28/18 09:58
Date Received: 11/28/18 16:30

Lab Sample ID: 480-145812-2

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			11/29/18 00:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/29/18 00:01	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 00:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 00:01	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 00:01	1
Trichloroethene	ND		1.0	0.46	ug/L			11/29/18 00:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 00:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 00:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/29/18 00:01*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/29/18 00:01*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/29/18 00:01*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 123*		*11/29/18 00:01*	*1*

Client Sample ID: MW-8S-112818

Date Collected: 11/28/18 10:33
Date Received: 11/28/18 16:30

Lab Sample ID: 480-145812-3

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			11/29/18 00:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 00:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 00:28	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 00:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 00:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 00:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 00:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 00:28	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 00:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 00:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 00:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 00:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 00:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 00:28	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 00:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 00:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 00:28	1
Acetone	ND		10	3.0	ug/L			11/29/18 00:28	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 00:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 00:28	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 00:28	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 00:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 00:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 00:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 00:28	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 00:28	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 00:28	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 00:28	1

Client Sample ID: MW-8S-112818

Lab Sample ID: 480-145812-3
Matrix: Water
Date Collected: 11/28/18 10:33
Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 00:28	1
cis-1,2-Dichloroethene	**2.0**		1.0	0.81	ug/L			11/29/18 00:28	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 00:28	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 00:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 00:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 00:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 00:28	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 00:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/29/18 00:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 00:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 00:28	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 00:28	1
Tetrachloroethene	**0.66**	**J**	1.0	0.36	ug/L			11/29/18 00:28	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 00:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 00:28	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 00:28	1
Trichloroethene	**2.7**		1.0	0.46	ug/L			11/29/18 00:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 00:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 00:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*11/29/18 00:28*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/29/18 00:28*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/29/18 00:28*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 123*		*11/29/18 00:28*	*1*

Client Sample ID: MW-8DD-112818

Lab Sample ID: 480-145812-4
Matrix: Water
Date Collected: 11/28/18 11:08
Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/29/18 00:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 00:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 00:55	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 00:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 00:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 00:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 00:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 00:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 00:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 00:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 00:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 00:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 00:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 00:55	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 00:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 00:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 00:55	1

Client Sample ID: MW-8DD-112818

Lab Sample ID: 480-145812-4

Date Collected: 11/28/18 11:08

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			11/29/18 00:55	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 00:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 00:55	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 00:55	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 00:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 00:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 00:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 00:55	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 00:55	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 00:55	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 00:55	1
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 00:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/29/18 00:55	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 00:55	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 00:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 00:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 00:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 00:55	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 00:55	1
Methyl tert-butyl ether	**0.17**	**J**	1.0	0.16	ug/L			11/29/18 00:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 00:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 00:55	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 00:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/29/18 00:55	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 00:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 00:55	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 00:55	1
Trichloroethene	ND		1.0	0.46	ug/L			11/29/18 00:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 00:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 00:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/29/18 00:55*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/29/18 00:55*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/29/18 00:55*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/29/18 00:55*	*1*

Client Sample ID: MW-10D-112818

Lab Sample ID: 480-145812-5

Date Collected: 11/28/18 12:05

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/29/18 01:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 01:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 01:21	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 01:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 01:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 01:21	1

Client Sample ID: MW-10D-112818
Date Collected: 11/28/18 12:05
Date Received: 11/28/18 16:30

Lab Sample ID: 480-145812-5
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			11/29/18 01:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 01:21	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 01:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 01:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 01:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 01:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 01:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 01:21	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 01:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 01:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 01:21	1
Acetone	ND		10	3.0	ug/L			11/29/18 01:21	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 01:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 01:21	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 01:21	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 01:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 01:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 01:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 01:21	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 01:21	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 01:21	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 01:21	1
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 01:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/29/18 01:21	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 01:21	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 01:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 01:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 01:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 01:21	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 01:21	1
Methyl tert-butyl ether	**0.23**	**J**	1.0	0.16	ug/L			11/29/18 01:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 01:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 01:21	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 01:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/29/18 01:21	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 01:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 01:21	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 01:21	1
Trichloroethene	ND		1.0	0.46	ug/L			11/29/18 01:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 01:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 01:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/29/18 01:21*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/29/18 01:21*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/29/18 01:21*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/29/18 01:21*	*1*

Client Sample ID: MW-7D-112818

Date Collected: 11/28/18 12:12
Date Received: 11/28/18 16:30

Lab Sample ID: 480-145812-6

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			11/29/18 01:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 01:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 01:48	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 01:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 01:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 01:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 01:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 01:48	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 01:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 01:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 01:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 01:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 01:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 01:48	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 01:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 01:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 01:48	1
Acetone	ND		10	3.0	ug/L			11/29/18 01:48	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 01:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 01:48	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 01:48	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 01:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 01:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 01:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 01:48	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 01:48	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 01:48	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 01:48	1
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 01:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/29/18 01:48	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 01:48	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 01:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 01:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 01:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 01:48	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 01:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/29/18 01:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 01:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 01:48	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 01:48	1
Tetrachloroethene	**0.36**	**J**	1.0	0.36	ug/L			11/29/18 01:48	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 01:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 01:48	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 01:48	1
Trichloroethene	**0.94**	**J**	1.0	0.46	ug/L			11/29/18 01:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 01:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 01:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 01:48	1

Client Sample ID: MW-7D-112818

Lab Sample ID: 480-145812-6

Date Collected: 11/28/18 12:12

Matrix: Water

Date Received: 11/28/18 16:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*11/29/18 01:48*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/29/18 01:48*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/29/18 01:48*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*11/29/18 01:48*	*1*

Client Sample ID: MW-7S-112818

Lab Sample ID: 480-145812-7

Date Collected: 11/28/18 12:50

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/29/18 02:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 02:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 02:15	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 02:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 02:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 02:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 02:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 02:15	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 02:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 02:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 02:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 02:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 02:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 02:15	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 02:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 02:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 02:15	1
Acetone	ND		10	3.0	ug/L			11/29/18 02:15	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 02:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 02:15	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 02:15	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 02:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 02:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 02:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 02:15	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 02:15	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 02:15	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 02:15	1
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 02:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/29/18 02:15	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 02:15	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 02:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 02:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 02:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 02:15	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 02:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/29/18 02:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 02:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 02:15	1

Client Sample ID: MW-7S-112818

Lab Sample ID: 480-145812-7

Date Collected: 11/28/18 12:50

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			11/29/18 02:15	1
Tetrachloroethene	**0.39**	**J**	1.0	0.36	ug/L			11/29/18 02:15	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 02:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 02:15	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 02:15	1
Trichloroethene	**1.1**		1.0	0.46	ug/L			11/29/18 02:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 02:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 02:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/29/18 02:15*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/29/18 02:15*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/29/18 02:15*	*1*
Dibromofluoromethane (Surr)	*87*		*75 - 123*		*11/29/18 02:15*	*1*

Client Sample ID: MW-10S-112818

Lab Sample ID: 480-145812-8

Date Collected: 11/28/18 12:55

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/29/18 02:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 02:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 02:41	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 02:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 02:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 02:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 02:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 02:41	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 02:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 02:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 02:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 02:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 02:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 02:41	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 02:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 02:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 02:41	1
Acetone	ND		10	3.0	ug/L			11/29/18 02:41	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 02:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 02:41	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 02:41	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 02:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 02:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 02:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 02:41	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 02:41	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 02:41	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 02:41	1

Client Sample ID: MW-10S-112818

Lab Sample ID: 480-145812-8
Date Collected: 11/28/18 12:55
Matrix: Water
Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 02:41	1
cis-1,2-Dichloroethene	**1.0**		1.0	0.81	ug/L			11/29/18 02:41	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 02:41	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 02:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 02:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 02:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 02:41	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 02:41	1
Methyl tert-butyl ether	**0.19**	**J**	1.0	0.16	ug/L			11/29/18 02:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 02:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 02:41	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 02:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/29/18 02:41	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 02:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 02:41	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 02:41	1
Trichloroethene	ND		1.0	0.46	ug/L			11/29/18 02:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 02:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 02:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/29/18 02:41*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/29/18 02:41*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/29/18 02:41*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*11/29/18 02:41*	*1*

Client Sample ID: MW-7DD-112818

Lab Sample ID: 480-145812-9
Date Collected: 11/28/18 13:55
Matrix: Water
Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/29/18 03:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 03:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 03:08	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 03:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 03:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 03:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 03:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 03:08	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 03:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 03:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 03:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 03:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 03:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 03:08	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 03:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 03:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 03:08	1

Client Sample ID: MW-7DD-112818

Lab Sample ID: 480-145812-9

Date Collected: 11/28/18 13:55

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			11/29/18 03:08	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 03:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 03:08	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 03:08	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 03:08	1
Carbon disulfide	**0.33**	**J B**	1.0	0.19	ug/L			11/29/18 03:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 03:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 03:08	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 03:08	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 03:08	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 03:08	1
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 03:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/29/18 03:08	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 03:08	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 03:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 03:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 03:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 03:08	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 03:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/29/18 03:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 03:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 03:08	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 03:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/29/18 03:08	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 03:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 03:08	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 03:08	1
Trichloroethene	ND		1.0	0.46	ug/L			11/29/18 03:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 03:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 03:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/29/18 03:08*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/29/18 03:08*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/29/18 03:08*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/29/18 03:08*	*1*

Client Sample ID: MW-5D-112818

Lab Sample ID: 480-145812-10

Date Collected: 11/28/18 14:28

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/29/18 03:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 03:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 03:35	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 03:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 03:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 03:35	1

Client Sample ID: MW-5D-112818
Date Collected: 11/28/18 14:28
Date Received: 11/28/18 16:30

Lab Sample ID: 480-145812-10
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			11/29/18 03:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 03:35	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 03:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 03:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 03:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 03:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 03:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 03:35	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 03:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 03:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 03:35	1
Acetone	ND		10	3.0	ug/L			11/29/18 03:35	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 03:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 03:35	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 03:35	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 03:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 03:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 03:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 03:35	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 03:35	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 03:35	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 03:35	1
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 03:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/29/18 03:35	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 03:35	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 03:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 03:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 03:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 03:35	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 03:35	1
Methyl tert-butyl ether	**0.34**	**J**	1.0	0.16	ug/L			11/29/18 03:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 03:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 03:35	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 03:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/29/18 03:35	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 03:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 03:35	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 03:35	1
Trichloroethene	ND		1.0	0.46	ug/L			11/29/18 03:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 03:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 03:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/29/18 03:35*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/29/18 03:35*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/29/18 03:35*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 123*		*11/29/18 03:35*	*1*

Client Sample ID: X-1-112818
Date Collected: 11/28/18 00:00
Date Received: 11/28/18 16:30

Lab Sample ID: 480-145812-11
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			11/29/18 04:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 04:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 04:01	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 04:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 04:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 04:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 04:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 04:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 04:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 04:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 04:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 04:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 04:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 04:01	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 04:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 04:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 04:01	1
Acetone	ND		10	3.0	ug/L			11/29/18 04:01	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 04:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 04:01	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 04:01	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 04:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 04:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 04:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 04:01	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 04:01	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 04:01	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 04:01	1
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 04:01	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			11/29/18 04:01	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 04:01	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 04:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 04:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 04:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 04:01	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 04:01	1
Methyl tert-butyl ether	**0.17**	**J**	1.0	0.16	ug/L			11/29/18 04:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 04:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 04:01	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 04:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/29/18 04:01	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 04:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 04:01	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 04:01	1
Trichloroethene	ND		1.0	0.46	ug/L			11/29/18 04:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 04:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 04:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 04:01	1

Client Sample ID: X-1-112818

Lab Sample ID: 480-145812-11

Date Collected: 11/28/18 00:00

Matrix: Water

Date Received: 11/28/18 16:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*11/29/18 04:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/29/18 04:01*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/29/18 04:01*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*11/29/18 04:01*	*1*

Client Sample ID: MW-1S-112718

Lab Sample ID: 480-145812-12

Date Collected: 11/27/18 14:15

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			11/29/18 04:28	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/29/18 04:28	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/29/18 04:28	2
1,1,2-Trichlorotrifluoroethane	ND		2.0	0.62	ug/L			11/29/18 04:28	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			11/29/18 04:28	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			11/29/18 04:28	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			11/29/18 04:28	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			11/29/18 04:28	2
1,2-Dibromoethane (EDB)	ND		2.0	1.5	ug/L			11/29/18 04:28	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			11/29/18 04:28	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/29/18 04:28	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/29/18 04:28	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			11/29/18 04:28	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			11/29/18 04:28	2
2-Hexanone	ND	*	10	2.5	ug/L			11/29/18 04:28	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/29/18 04:28	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/29/18 04:28	2
Acetone	ND		20	6.0	ug/L			11/29/18 04:28	2
Benzene	ND		2.0	0.82	ug/L			11/29/18 04:28	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/29/18 04:28	2
Bromoform	ND		2.0	0.52	ug/L			11/29/18 04:28	2
Bromomethane	ND		2.0	1.4	ug/L			11/29/18 04:28	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/29/18 04:28	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/29/18 04:28	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/29/18 04:28	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			11/29/18 04:28	2
Chloroethane	ND		2.0	0.64	ug/L			11/29/18 04:28	2
Chloroform	ND		2.0	0.68	ug/L			11/29/18 04:28	2
Chloromethane	ND		2.0	0.70	ug/L			11/29/18 04:28	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			11/29/18 04:28	2
cis-1,3-Dichloropropene	ND	*	2.0	0.72	ug/L			11/29/18 04:28	2
Cyclohexane	ND		2.0	0.36	ug/L			11/29/18 04:28	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			11/29/18 04:28	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/29/18 04:28	2
Isopropylbenzene	ND		2.0	1.6	ug/L			11/29/18 04:28	2
Methyl acetate	ND		2.6	2.6	ug/L			11/29/18 04:28	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			11/29/18 04:28	2
Methylcyclohexane	ND		2.0	0.32	ug/L			11/29/18 04:28	2
Methylene Chloride	**0.94**	**J**	2.0	0.88	ug/L			11/29/18 04:28	2

Client Sample ID: MW-1S-112718

Lab Sample ID: 480-145812-12
Date Collected: 11/27/18 14:15
Matrix: Water
Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	1.5	ug/L			11/29/18 04:28	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/29/18 04:28	2
Toluene	ND		2.0	1.0	ug/L			11/29/18 04:28	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/29/18 04:28	2
trans-1,3-Dichloropropene	ND	*	2.0	0.74	ug/L			11/29/18 04:28	2
Trichloroethene	ND		2.0	0.92	ug/L			11/29/18 04:28	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			11/29/18 04:28	2
Vinyl chloride	ND		2.0	1.8	ug/L			11/29/18 04:28	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/29/18 04:28	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/29/18 04:28*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/29/18 04:28*	*2*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/29/18 04:28*	*2*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*11/29/18 04:28*	*2*

Client Sample ID: MW-1D-112818

Lab Sample ID: 480-145812-13
Date Collected: 11/27/18 15:00
Matrix: Water
Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/29/18 04:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 04:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 04:55	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 04:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 04:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 04:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 04:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 04:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 04:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 04:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 04:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 04:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 04:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 04:55	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 04:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 04:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 04:55	1
Acetone	ND		10	3.0	ug/L			11/29/18 04:55	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 04:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 04:55	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 04:55	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 04:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 04:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 04:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 04:55	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 04:55	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 04:55	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 04:55	1

Client Sample ID: MW-1D-112818

Lab Sample ID: 480-145812-13

Date Collected: 11/27/18 15:00

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 04:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/29/18 04:55	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 04:55	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 04:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 04:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 04:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 04:55	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 04:55	1
Methyl tert-butyl ether	**0.66**	**J**	1.0	0.16	ug/L			11/29/18 04:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 04:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 04:55	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 04:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/29/18 04:55	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 04:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 04:55	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 04:55	1
Trichloroethene	ND		1.0	0.46	ug/L			11/29/18 04:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 04:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 04:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/29/18 04:55*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/29/18 04:55*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/29/18 04:55*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/29/18 04:55*	*1*

Client Sample ID: MW-6D-112718

Lab Sample ID: 480-145812-14

Date Collected: 11/27/18 15:13

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/29/18 05:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 05:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 05:21	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 05:21	1
1,1-Dichloroethane	**0.40**	**J**	1.0	0.38	ug/L			11/29/18 05:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 05:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 05:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 05:21	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 05:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 05:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 05:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 05:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 05:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 05:21	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 05:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 05:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 05:21	1

Client Sample ID: MW-6D-112718

Lab Sample ID: 480-145812-14

Date Collected: 11/27/18 15:13

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			11/29/18 05:21	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 05:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 05:21	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 05:21	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 05:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 05:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 05:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 05:21	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 05:21	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 05:21	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 05:21	1
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 05:21	1
cis-1,2-Dichloroethene	**0.84**	**J**	1.0	0.81	ug/L			11/29/18 05:21	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 05:21	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 05:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 05:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 05:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 05:21	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 05:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/29/18 05:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 05:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 05:21	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 05:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/29/18 05:21	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 05:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 05:21	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 05:21	1
Trichloroethene	ND		1.0	0.46	ug/L			11/29/18 05:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 05:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 05:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/29/18 05:21*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/29/18 05:21*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/29/18 05:21*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/29/18 05:21*	*1*

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-145812-15

Date Collected: 11/28/18 00:00

Matrix: Water

Date Received: 11/28/18 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/29/18 05:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/29/18 05:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/29/18 05:48	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/29/18 05:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/29/18 05:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/29/18 05:48	1

Client Sample ID: QC TRIP BLANK
Date Collected: 11/28/18 00:00
Date Received: 11/28/18 16:30

Lab Sample ID: 480-145812-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/29/18 05:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/29/18 05:48	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/29/18 05:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/29/18 05:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/29/18 05:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/29/18 05:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/29/18 05:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/29/18 05:48	1
2-Hexanone	ND	*	5.0	1.2	ug/L			11/29/18 05:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/29/18 05:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/29/18 05:48	1
Acetone	ND		10	3.0	ug/L			11/29/18 05:48	1
Benzene	ND		1.0	0.41	ug/L			11/29/18 05:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/29/18 05:48	1
Bromoform	ND		1.0	0.26	ug/L			11/29/18 05:48	1
Bromomethane	ND		1.0	0.69	ug/L			11/29/18 05:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/29/18 05:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/29/18 05:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/29/18 05:48	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/29/18 05:48	1
Chloroethane	ND		1.0	0.32	ug/L			11/29/18 05:48	1
Chloroform	ND		1.0	0.34	ug/L			11/29/18 05:48	1
Chloromethane	ND		1.0	0.35	ug/L			11/29/18 05:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/29/18 05:48	1
cis-1,3-Dichloropropene	ND	*	1.0	0.36	ug/L			11/29/18 05:48	1
Cyclohexane	ND		1.0	0.18	ug/L			11/29/18 05:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/29/18 05:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/29/18 05:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/29/18 05:48	1
Methyl acetate	ND		1.3	1.3	ug/L			11/29/18 05:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/29/18 05:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/29/18 05:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/29/18 05:48	1
Styrene	ND		1.0	0.73	ug/L			11/29/18 05:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/29/18 05:48	1
Toluene	ND		1.0	0.51	ug/L			11/29/18 05:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/29/18 05:48	1
trans-1,3-Dichloropropene	ND	*	1.0	0.37	ug/L			11/29/18 05:48	1
Trichloroethene	ND		1.0	0.46	ug/L			11/29/18 05:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/29/18 05:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/29/18 05:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/29/18 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/29/18 05:48*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/29/18 05:48*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/29/18 05:48*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*11/29/18 05:48*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-145812-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-145812-1	MW-8D-112818	101	100	103	92
480-145812-1 MS	MW-8D-112818	99	101	104	93
480-145812-1 MSD	MW-8D-112818	102	101	103	91
480-145812-2	MW-6DD-112818	98	97	106	86
480-145812-3	MW-8S-112818	96	100	107	88
480-145812-4	MW-8DD-112818	104	100	103	91
480-145812-5	MW-10D-112818	102	101	104	91
480-145812-6	MW-7D-112818	96	97	104	89
480-145812-7	MW-7S-112818	98	98	106	87
480-145812-8	MW-10S-112818	103	101	103	94
480-145812-9	MW-7DD-112818	102	97	104	92
480-145812-10	MW-5D-112818	100	97	106	88
480-145812-11	X-1-112818	99	100	103	89
480-145812-12	MW-1S-112718	104	97	106	94
480-145812-13	MW-1D-112818	101	98	104	92
480-145812-14	MW-6D-112718	101	98	104	91
480-145812-15	QC TRIP BLANK	101	97	106	89
LCS 480-447996/5	Lab Control Sample	104	99	104	94
MB 480-447996/7	Method Blank	103	102	104	95

Surrogate Legend

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

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

Lab Sample ID: MB 480-447996/7
Matrix: Water
Analysis Batch: 447996

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			11/28/18 22:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/28/18 22:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/28/18 22:40	1
1,1,2-Trichlorotrifluoroethane	ND		1.0	0.31	ug/L			11/28/18 22:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/28/18 22:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/28/18 22:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/28/18 22:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/28/18 22:40	1
1,2-Dibromoethane (EDB)	ND		1.0	0.73	ug/L			11/28/18 22:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/28/18 22:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/28/18 22:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/28/18 22:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/28/18 22:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/28/18 22:40	1
2-Hexanone	ND		5.0	1.2	ug/L			11/28/18 22:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/28/18 22:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/28/18 22:40	1
Acetone	ND		10	3.0	ug/L			11/28/18 22:40	1
Benzene	ND		1.0	0.41	ug/L			11/28/18 22:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/28/18 22:40	1
Bromoform	ND		1.0	0.26	ug/L			11/28/18 22:40	1
Bromomethane	ND		1.0	0.69	ug/L			11/28/18 22:40	1
Carbon disulfide	0.212	J	1.0	0.19	ug/L			11/28/18 22:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/28/18 22:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/28/18 22:40	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			11/28/18 22:40	1
Chloroethane	ND		1.0	0.32	ug/L			11/28/18 22:40	1
Chloroform	ND		1.0	0.34	ug/L			11/28/18 22:40	1
Chloromethane	ND		1.0	0.35	ug/L			11/28/18 22:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/28/18 22:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/28/18 22:40	1
Cyclohexane	ND		1.0	0.18	ug/L			11/28/18 22:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/28/18 22:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/18 22:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/28/18 22:40	1
Methyl acetate	ND		1.3	1.3	ug/L			11/28/18 22:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/28/18 22:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/28/18 22:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/28/18 22:40	1
Styrene	ND		1.0	0.73	ug/L			11/28/18 22:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/28/18 22:40	1
Toluene	ND		1.0	0.51	ug/L			11/28/18 22:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/28/18 22:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/28/18 22:40	1
Trichloroethene	ND		1.0	0.46	ug/L			11/28/18 22:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/28/18 22:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/28/18 22:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/18 22:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		11/28/18 22:40	1
Toluene-d8 (Surr)	102		80 - 120		11/28/18 22:40	1
4-Bromofluorobenzene (Surr)	104		73 - 120		11/28/18 22:40	1
Dibromofluoromethane (Surr)	95		75 - 123		11/28/18 22:40	1

Lab Sample ID: LCS 480-447996/5
Matrix: Water
Analysis Batch: 447996

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	22.9		ug/L		91	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L		98	76 - 120
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	76 - 122
1,1,2-Trichlorotrifluoroethane	25.0	22.0		ug/L		88	61 - 148
1,1-Dichloroethane	25.0	22.1		ug/L		88	77 - 120
1,1-Dichloroethene	25.0	20.5		ug/L		82	66 - 127
1,2,4-Trichlorobenzene	25.0	22.9		ug/L		91	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.6		ug/L		90	56 - 134
1,2-Dibromoethane (EDB)	25.0	27.5		ug/L		110	77 - 120
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	25.4		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	26.3		ug/L		105	76 - 120
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 120
2-Hexanone	125	164	*	ug/L		131	65 - 127
2-Butanone (MEK)	125	164		ug/L		131	57 - 140
4-Methyl-2-pentanone (MIBK)	125	142		ug/L		114	71 - 125
Acetone	125	129		ug/L		104	56 - 142
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromodichloromethane	25.0	27.6		ug/L		110	80 - 122
Bromoform	25.0	26.4		ug/L		106	61 - 132
Bromomethane	25.0	20.6		ug/L		82	55 - 144
Carbon disulfide	25.0	21.2		ug/L		85	59 - 134
Carbon tetrachloride	25.0	23.5		ug/L		94	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120
Chlorodibromomethane	25.0	27.1		ug/L		108	75 - 125
Chloroethane	25.0	21.8		ug/L		87	69 - 136
Chloroform	25.0	21.9		ug/L		87	73 - 127
Chloromethane	25.0	19.6		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	22.0		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	31.3	*	ug/L		125	74 - 124
Cyclohexane	25.0	21.7		ug/L		87	59 - 135
Dichlorodifluoromethane	25.0	20.1		ug/L		80	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl acetate	50.0	49.0		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	23.5		ug/L		94	77 - 120
Methylcyclohexane	25.0	22.8		ug/L		91	68 - 134
Methylene Chloride	25.0	21.3		ug/L		85	75 - 124
Styrene	25.0	26.5		ug/L		106	80 - 120
Tetrachloroethene	25.0	25.5		ug/L		102	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	21.7		ug/L		87	73 - 127
trans-1,3-Dichloropropene	25.0	31.0	*	ug/L		124	80 - 120

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

Lab Sample ID: LCS 480-447996/5
Matrix: Water
Analysis Batch: 447996

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	24.5		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	22.3		ug/L		89	62 - 150
Vinyl chloride	25.0	21.5		ug/L		86	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*

Lab Sample ID: 480-145812-1 MS
Matrix: Water
Analysis Batch: 447996

Client Sample ID: MW-8D-112818
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	F2	25.0	27.8		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.8		ug/L		111	76 - 120
1,1,2-Trichloroethane	ND		25.0	27.9		ug/L		112	76 - 122
1,1,2-Trichlorotrifluoroethane	ND		25.0	25.2		ug/L		101	61 - 148
1,1-Dichloroethane	0.55	J	25.0	25.6		ug/L		100	77 - 120
1,1-Dichloroethene	ND		25.0	25.5		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	25.7		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	24.6		ug/L		99	56 - 134
1,2-Dibromoethane (EDB)	ND		25.0	29.6		ug/L		118	77 - 120
1,2-Dichlorobenzene	ND		25.0	27.6		ug/L		111	80 - 124
1,2-Dichloroethane	ND		25.0	27.2		ug/L		109	75 - 120
1,2-Dichloropropane	ND		25.0	28.6		ug/L		114	76 - 120
1,3-Dichlorobenzene	ND		25.0	28.4		ug/L		114	77 - 120
1,4-Dichlorobenzene	ND		25.0	28.0		ug/L		112	78 - 124
2-Hexanone	ND	* F1	125	175	F1	ug/L		140	65 - 127
2-Butanone (MEK)	ND		125	162		ug/L		130	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	153		ug/L		123	71 - 125
Acetone	ND		125	131		ug/L		105	56 - 142
Benzene	ND	F2	25.0	27.7		ug/L		111	71 - 124
Bromodichloromethane	ND		25.0	29.5		ug/L		118	80 - 122
Bromoform	ND		25.0	27.5		ug/L		110	61 - 132
Bromomethane	ND		25.0	21.9		ug/L		88	55 - 144
Carbon disulfide	0.24	J B	25.0	25.4		ug/L		101	59 - 134
Carbon tetrachloride	ND		25.0	28.1		ug/L		112	72 - 134
Chlorobenzene	ND		25.0	29.2		ug/L		117	80 - 120
Chlorodibromomethane	ND		25.0	29.7		ug/L		119	75 - 125
Chloroethane	ND		25.0	23.8		ug/L		95	69 - 136
Chloroform	ND		25.0	24.9		ug/L		100	73 - 127
Chloromethane	ND		25.0	21.6		ug/L		86	68 - 124
cis-1,2-Dichloroethene	ND		25.0	24.3		ug/L		97	74 - 124
cis-1,3-Dichloropropene	ND	* F1	25.0	31.9	F1	ug/L		128	74 - 124
Cyclohexane	ND		25.0	25.4		ug/L		101	59 - 135
Dichlorodifluoromethane	ND		25.0	20.0		ug/L		80	59 - 135

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

Lab Sample ID: 480-145812-1 MS
Matrix: Water
Analysis Batch: 447996

Client Sample ID: MW-8D-112818
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND		25.0	27.7		ug/L		111	77 - 123
Isopropylbenzene	ND		25.0	29.4		ug/L		118	77 - 122
Methyl acetate	ND		50.0	48.6		ug/L		97	74 - 133
Methyl tert-butyl ether	0.22	J	25.0	25.5		ug/L		101	77 - 120
Methylcyclohexane	ND		25.0	25.4		ug/L		101	68 - 134
Methylene Chloride	ND		25.0	23.6		ug/L		95	75 - 124
Styrene	ND		25.0	28.7		ug/L		115	80 - 120
Tetrachloroethene	ND		25.0	30.1		ug/L		120	74 - 122
Toluene	ND		25.0	28.4		ug/L		114	80 - 122
trans-1,2-Dichloroethene	ND		25.0	25.4		ug/L		101	73 - 127
trans-1,3-Dichloropropene	ND	* F1	25.0	31.8	F1	ug/L		127	80 - 120
Trichloroethene	ND		25.0	28.2		ug/L		113	74 - 123
Trichlorofluoromethane	ND		25.0	25.1		ug/L		100	62 - 150
Vinyl chloride	ND		25.0	24.0		ug/L		96	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*

Lab Sample ID: 480-145812-1 MSD
Matrix: Water
Analysis Batch: 447996

Client Sample ID: MW-8D-112818
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	F2	25.0	23.4	F2	ug/L		94	73 - 126	17	15
1,1,2,2-Tetrachloroethane	ND		25.0	25.2		ug/L		101	76 - 120	10	15
1,1,2-Trichloroethane	ND		25.0	25.7		ug/L		103	76 - 122	8	15
1,1,2-Trichlorotrifluoroethane	ND		25.0	22.6		ug/L		90	61 - 148	11	20
1,1-Dichloroethane	0.55	J	25.0	22.3		ug/L		87	77 - 120	14	20
1,1-Dichloroethene	ND		25.0	22.2		ug/L		89	66 - 127	14	16
1,2,4-Trichlorobenzene	ND		25.0	23.0		ug/L		92	79 - 122	11	20
1,2-Dibromo-3-Chloropropane	ND		25.0	22.7		ug/L		91	56 - 134	8	15
1,2-Dibromoethane (EDB)	ND		25.0	27.6		ug/L		110	77 - 120	7	15
1,2-Dichlorobenzene	ND		25.0	24.5		ug/L		98	80 - 124	12	20
1,2-Dichloroethane	ND		25.0	24.6		ug/L		98	75 - 120	10	20
1,2-Dichloropropane	ND		25.0	25.6		ug/L		102	76 - 120	11	20
1,3-Dichlorobenzene	ND		25.0	25.0		ug/L		100	77 - 120	13	20
1,4-Dichlorobenzene	ND		25.0	25.0		ug/L		100	78 - 124	12	20
2-Hexanone	ND	* F1	125	167	F1	ug/L		134	65 - 127	5	15
2-Butanone (MEK)	ND		125	155		ug/L		124	57 - 140	5	20
4-Methyl-2-pentanone (MIBK)	ND		125	147		ug/L		117	71 - 125	4	35
Acetone	ND		125	124		ug/L		99	56 - 142	5	15
Benzene	ND	F2	25.0	23.9	F2	ug/L		96	71 - 124	15	13
Bromodichloromethane	ND		25.0	26.1		ug/L		105	80 - 122	12	15
Bromoform	ND		25.0	25.0		ug/L		100	61 - 132	10	15
Bromomethane	ND		25.0	22.1		ug/L		89	55 - 144	1	15

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

Lab Sample ID: 480-145812-1 MSD
Matrix: Water
Analysis Batch: 447996

Client Sample ID: MW-8D-112818
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	0.24	J B	25.0	22.1		ug/L		88	59 - 134	14	15
Carbon tetrachloride	ND		25.0	24.3		ug/L		97	72 - 134	15	15
Chlorobenzene	ND		25.0	25.5		ug/L		102	80 - 120	14	25
Chlorodibromomethane	ND		25.0	26.9		ug/L		108	75 - 125	10	15
Chloroethane	ND		25.0	24.2		ug/L		97	69 - 136	2	15
Chloroform	ND		25.0	22.0		ug/L		88	73 - 127	12	20
Chloromethane	ND		25.0	22.2		ug/L		89	68 - 124	3	15
cis-1,2-Dichloroethene	ND		25.0	21.4		ug/L		86	74 - 124	12	15
cis-1,3-Dichloropropene	ND	* F1	25.0	28.2		ug/L		113	74 - 124	12	15
Cyclohexane	ND		25.0	21.7		ug/L		87	59 - 135	15	20
Dichlorodifluoromethane	ND		25.0	21.3		ug/L		85	59 - 135	6	20
Ethylbenzene	ND		25.0	24.0		ug/L		96	77 - 123	15	15
Isopropylbenzene	ND		25.0	25.3		ug/L		101	77 - 122	15	20
Methyl acetate	ND		50.0	46.5		ug/L		93	74 - 133	5	20
Methyl tert-butyl ether	0.22	J	25.0	23.8		ug/L		94	77 - 120	7	37
Methylcyclohexane	ND		25.0	22.3		ug/L		89	68 - 134	13	20
Methylene Chloride	ND		25.0	20.6		ug/L		82	75 - 124	14	15
Styrene	ND		25.0	25.5		ug/L		102	80 - 120	12	20
Tetrachloroethene	ND		25.0	26.1		ug/L		105	74 - 122	14	20
Toluene	ND		25.0	24.8		ug/L		99	80 - 122	14	15
trans-1,2-Dichloroethene	ND		25.0	22.0		ug/L		88	73 - 127	14	20
trans-1,3-Dichloropropene	ND	* F1	25.0	28.9		ug/L		116	80 - 120	9	15
Trichloroethene	ND		25.0	25.2		ug/L		101	74 - 123	11	16
Trichlorofluoromethane	ND		25.0	25.4		ug/L		102	62 - 150	1	20
Vinyl chloride	ND		25.0	24.4		ug/L		98	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*91*		*75 - 123*

QC Association Summary

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

TestAmerica Job ID: 480-145812-1

GC/MS VOA

Analysis Batch: 447996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145812-1	MW-8D-112818	Total/NA	Water	8260C	
480-145812-2	MW-6DD-112818	Total/NA	Water	8260C	
480-145812-3	MW-8S-112818	Total/NA	Water	8260C	
480-145812-4	MW-8DD-112818	Total/NA	Water	8260C	
480-145812-5	MW-10D-112818	Total/NA	Water	8260C	
480-145812-6	MW-7D-112818	Total/NA	Water	8260C	
480-145812-7	MW-7S-112818	Total/NA	Water	8260C	
480-145812-8	MW-10S-112818	Total/NA	Water	8260C	
480-145812-9	MW-7DD-112818	Total/NA	Water	8260C	
480-145812-10	MW-5D-112818	Total/NA	Water	8260C	
480-145812-11	X-1-112818	Total/NA	Water	8260C	
480-145812-12	MW-1S-112718	Total/NA	Water	8260C	
480-145812-13	MW-1D-112818	Total/NA	Water	8260C	
480-145812-14	MW-6D-112718	Total/NA	Water	8260C	
480-145812-15	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-447996/7	Method Blank	Total/NA	Water	8260C	
LCS 480-447996/5	Lab Control Sample	Total/NA	Water	8260C	
480-145812-1 MS	MW-8D-112818	Total/NA	Water	8260C	
480-145812-1 MSD	MW-8D-112818	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-145812-1

Client Sample ID: MW-8D-112818
Lab Sample ID: 480-145812-1
Date Collected: 11/28/18 09:48
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/28/18 23:34	KMN	TAL BUF

Client Sample ID: MW-6DD-112818
Lab Sample ID: 480-145812-2
Date Collected: 11/28/18 09:58
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 00:01	KMN	TAL BUF

Client Sample ID: MW-8S-112818
Lab Sample ID: 480-145812-3
Date Collected: 11/28/18 10:33
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 00:28	KMN	TAL BUF

Client Sample ID: MW-8DD-112818
Lab Sample ID: 480-145812-4
Date Collected: 11/28/18 11:08
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 00:55	KMN	TAL BUF

Client Sample ID: MW-10D-112818
Lab Sample ID: 480-145812-5
Date Collected: 11/28/18 12:05
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 01:21	KMN	TAL BUF

Client Sample ID: MW-7D-112818
Lab Sample ID: 480-145812-6
Date Collected: 11/28/18 12:12
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 01:48	KMN	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-145812-1

Client Sample ID: MW-7S-112818
Lab Sample ID: 480-145812-7
Date Collected: 11/28/18 12:50
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 02:15	KMN	TAL BUF

Client Sample ID: MW-10S-112818
Lab Sample ID: 480-145812-8
Date Collected: 11/28/18 12:55
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 02:41	KMN	TAL BUF

Client Sample ID: MW-7DD-112818
Lab Sample ID: 480-145812-9
Date Collected: 11/28/18 13:55
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 03:08	KMN	TAL BUF

Client Sample ID: MW-5D-112818
Lab Sample ID: 480-145812-10
Date Collected: 11/28/18 14:28
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 03:35	KMN	TAL BUF

Client Sample ID: X-1-112818
Lab Sample ID: 480-145812-11
Date Collected: 11/28/18 00:00
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 04:01	KMN	TAL BUF

Client Sample ID: MW-1S-112718
Lab Sample ID: 480-145812-12
Date Collected: 11/27/18 14:15
Matrix: Water
Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	447996	11/29/18 04:28	KMN	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-145812-1

Client Sample ID: MW-1D-112818

Lab Sample ID: 480-145812-13

Date Collected: 11/27/18 15:00

Matrix: Water

Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 04:55	KMN	TAL BUF

Client Sample ID: MW-6D-112718

Lab Sample ID: 480-145812-14

Date Collected: 11/27/18 15:13

Matrix: Water

Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 05:21	KMN	TAL BUF

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-145812-15

Date Collected: 11/28/18 00:00

Matrix: Water

Date Received: 11/28/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	447996	11/29/18 05:48	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: 480-145812-1

Laboratory: TestAmerica Buffalo

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

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

Method Summary

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

TestAmerica Job ID: 480-145812-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = 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: 480-145812-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-145812-1	MW-8D-112818	Water	11/28/18 09:48	11/28/18 16:30
480-145812-2	MW-6DD-112818	Water	11/28/18 09:58	11/28/18 16:30
480-145812-3	MW-8S-112818	Water	11/28/18 10:33	11/28/18 16:30
480-145812-4	MW-8DD-112818	Water	11/28/18 11:08	11/28/18 16:30
480-145812-5	MW-10D-112818	Water	11/28/18 12:05	11/28/18 16:30
480-145812-6	MW-7D-112818	Water	11/28/18 12:12	11/28/18 16:30
480-145812-7	MW-7S-112818	Water	11/28/18 12:50	11/28/18 16:30
480-145812-8	MW-10S-112818	Water	11/28/18 12:55	11/28/18 16:30
480-145812-9	MW-7DD-112818	Water	11/28/18 13:55	11/28/18 16:30
480-145812-10	MW-5D-112818	Water	11/28/18 14:28	11/28/18 16:30
480-145812-11	X-1-112818	Water	11/28/18 00:00	11/28/18 16:30
480-145812-12	MW-1S-112718	Water	11/27/18 14:15	11/28/18 16:30
480-145812-13	MW-1D-112818	Water	11/27/18 15:00	11/28/18 16:30
480-145812-14	MW-6D-112718	Water	11/27/18 15:13	11/28/18 16:30
480-145812-15	QC TRIP BLANK	Water	11/28/18 00:00	11/28/18 16:30

Quantitation Limit Exceptions Summary

Client: O'Brien & Gere Inc of North America
TestAmerica Job ID: 480-145812-1
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 ... ING

480-145812 COC

Client Information	Sampler: SGM/MK	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-121939-2
Client Contact: Mr. Yuri Veliz	Phone: 315-956-6100	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 3
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Monitoring	Project #: 48002808			
Site: FOREST GLEN	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		
QC TRIP BLANK	—	—	—	Water	N	N	X	2	
MW-8D-112818	11/28/2018	0948	G	Water	N	N	X	3	
MW-8D-112818-MS	11/28/2018	0948	G	Water	N	N	X	3	
MW-8D-112818-MSD	11/28/2018	0948	G	Water	N	N	X	3	
MW-6DD-112818	11/28/2018	0958	G	Water	N	N	X	3	
MW-85-112818	11/28/2018	1033	G	Water	N	N	X	3	
MW-8DD-112818	11/28/2018	1108	G	Water	N	N	X	3	
MW-10D-112818	11/28/2018	12:05	G	Water	N	N	X	3	
MW-7D-112818	11/28/2018	12:12	G	Water	N	N	X	3	
MW-75-112818	11/28/2018	12:50	G	Water	N	N	X	3	
MW-105-112818	11/28/2018	12:55	G	Water	N	N	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: #1 4.3°C

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Scott Maher of OBG	11/28/2018 16:30	OBG		11/28/18 1630	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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: SGM/MK	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-121939-26531.2
Client Contact: Mr. Yuri Veliz	Phone: 315-956-6100	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 3
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Monitoring	Project #: 48002808			
Site: FOREST GLEN	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-7DD-112818	11/28/2018	13:55	G	Water	N	N	X	3	
~~MW-7~~ MW-5D-112818	11/28/2018	14:28	G	Water	N	N	X	3	
X-1-112818	11/28/2018	—	G	Water	N	N	X	3	
MW-15-112718	11/27/2018	14:15	G	Water	N	N	X	3	
MW-1D-112718	11/27/2018	15:00	G	Water	N	N	X	3	
MW-6D-112718	11/27/2018	15:13	G	Water	N	N	X	3	
				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: #1 4.3°c

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Scott Mosher	11/28/2018 1630	OBG		11/28/18 1630	TAB.
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-145812-1

Login Number: 145812
List Number: 1
Creator: Stopa, Erik S

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: 480-145892-1
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

Mary Schwartzmyer

Authorized for release by:
12/7/2018 4:44:51 PM
Mary Schwartzmyer, Project Manager I
mary.schwartzmyer@testamericainc.com

Designee for

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

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-145892-1

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: 480-145892-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-145892-1

Comments
No additional comments.

Receipt
The samples were received on 11/29/2018 12:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

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

Detection Summary

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

TestAmerica Job ID: 480-145892-1

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-145892-1

No Detections.

Client Sample ID: MW-6S-112918 — Lab Sample ID: 480-145892-2

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
Vinyl chloride	22		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5S-112918 — Lab Sample ID: 480-145892-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.3		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.7		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.35	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	11		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	12		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-4D-112918 — Lab Sample ID: 480-145892-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.41	J	1.0	0.16	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-145892-1

Client Sample ID: QC TRIP BLANK
Date Collected: 11/29/18 00:00
Date Received: 11/29/18 12:40

Lab Sample ID: 480-145892-1
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			11/30/18 13:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/30/18 13:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/30/18 13:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/30/18 13:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/30/18 13:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/30/18 13:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/30/18 13:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/30/18 13:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/30/18 13:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/30/18 13:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/30/18 13:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/30/18 13:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/30/18 13:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/30/18 13:36	1
2-Hexanone	ND		5.0	1.2	ug/L			11/30/18 13:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/30/18 13:36	1
Acetone	ND		10	3.0	ug/L			11/30/18 13:36	1
Benzene	ND		1.0	0.41	ug/L			11/30/18 13:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/30/18 13:36	1
Bromoform	ND		1.0	0.26	ug/L			11/30/18 13:36	1
Bromomethane	ND		1.0	0.69	ug/L			11/30/18 13:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/30/18 13:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/30/18 13:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/30/18 13:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/30/18 13:36	1
Chloroethane	ND		1.0	0.32	ug/L			11/30/18 13:36	1
Chloroform	ND		1.0	0.34	ug/L			11/30/18 13:36	1
Chloromethane	ND		1.0	0.35	ug/L			11/30/18 13:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/30/18 13:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/30/18 13:36	1
Cyclohexane	ND		1.0	0.18	ug/L			11/30/18 13:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/30/18 13:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/30/18 13:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/30/18 13:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/30/18 13:36	1
Methyl acetate	ND		2.5	1.3	ug/L			11/30/18 13:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/30/18 13:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/30/18 13:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/30/18 13:36	1
Styrene	ND		1.0	0.73	ug/L			11/30/18 13:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/30/18 13:36	1
Toluene	ND		1.0	0.51	ug/L			11/30/18 13:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/30/18 13:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/30/18 13:36	1
Trichloroethene	ND		1.0	0.46	ug/L			11/30/18 13:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/30/18 13:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/30/18 13:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/30/18 13:36	1

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-145892-1

Date Collected: 11/29/18 00:00
Matrix: Water
Date Received: 11/29/18 12:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/30/18 13:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*11/30/18 13:36*	*1*
4-Bromofluorobenzene (Surr)	*78*		*73 - 120*		*11/30/18 13:36*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*11/30/18 13:36*	*1*

Client Sample ID: MW-6S-112918

Lab Sample ID: 480-145892-2

Date Collected: 11/29/18 07:55
Matrix: Water
Date Received: 11/29/18 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/30/18 14:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/30/18 14:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/30/18 14:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/30/18 14:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/30/18 14:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/30/18 14:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/30/18 14:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/30/18 14:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/30/18 14:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/30/18 14:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/30/18 14:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/30/18 14:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/30/18 14:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/30/18 14:03	1
2-Hexanone	ND		5.0	1.2	ug/L			11/30/18 14:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/30/18 14:03	1
Acetone	ND		10	3.0	ug/L			11/30/18 14:03	1
Benzene	ND		1.0	0.41	ug/L			11/30/18 14:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/30/18 14:03	1
Bromoform	ND		1.0	0.26	ug/L			11/30/18 14:03	1
Bromomethane	ND		1.0	0.69	ug/L			11/30/18 14:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/30/18 14:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/30/18 14:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/30/18 14:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/30/18 14:03	1
Chloroethane	ND		1.0	0.32	ug/L			11/30/18 14:03	1
Chloroform	ND		1.0	0.34	ug/L			11/30/18 14:03	1
Chloromethane	ND		1.0	0.35	ug/L			11/30/18 14:03	1
cis-1,2-Dichloroethene	**13**		1.0	0.81	ug/L			11/30/18 14:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/30/18 14:03	1
Cyclohexane	ND		1.0	0.18	ug/L			11/30/18 14:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/30/18 14:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/30/18 14:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/30/18 14:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/30/18 14:03	1
Methyl acetate	ND		2.5	1.3	ug/L			11/30/18 14:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/30/18 14:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/30/18 14:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/30/18 14:03	1

Client Sample ID: MW-6S-112918

Lab Sample ID: 480-145892-2

Date Collected: 11/29/18 07:55

Matrix: Water

Date Received: 11/29/18 12:40

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			11/30/18 14:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/30/18 14:03	1
Toluene	ND		1.0	0.51	ug/L			11/30/18 14:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/30/18 14:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/30/18 14:03	1
Trichloroethene	ND		1.0	0.46	ug/L			11/30/18 14:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/30/18 14:03	1
Vinyl chloride	**22**		1.0	0.90	ug/L			11/30/18 14:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/30/18 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*11/30/18 14:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/30/18 14:03*	*1*
4-Bromofluorobenzene (Surr)	*78*		*73 - 120*		*11/30/18 14:03*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/30/18 14:03*	*1*

Client Sample ID: MW-5S-112918

Lab Sample ID: 480-145892-3

Date Collected: 11/29/18 09:05

Matrix: Water

Date Received: 11/29/18 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**3.3**		1.0	0.82	ug/L			11/30/18 14:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/30/18 14:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/30/18 14:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/30/18 14:31	1
1,1-Dichloroethane	**3.7**		1.0	0.38	ug/L			11/30/18 14:31	1
1,1-Dichloroethene	**0.35**	**J**	1.0	0.29	ug/L			11/30/18 14:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/30/18 14:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/30/18 14:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/30/18 14:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/30/18 14:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/30/18 14:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/30/18 14:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/30/18 14:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/30/18 14:31	1
2-Hexanone	ND		5.0	1.2	ug/L			11/30/18 14:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/30/18 14:31	1
Acetone	ND		10	3.0	ug/L			11/30/18 14:31	1
Benzene	ND		1.0	0.41	ug/L			11/30/18 14:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/30/18 14:31	1
Bromoform	ND		1.0	0.26	ug/L			11/30/18 14:31	1
Bromomethane	ND		1.0	0.69	ug/L			11/30/18 14:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/30/18 14:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/30/18 14:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/30/18 14:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/30/18 14:31	1
Chloroethane	ND		1.0	0.32	ug/L			11/30/18 14:31	1
Chloroform	ND		1.0	0.34	ug/L			11/30/18 14:31	1
Chloromethane	ND		1.0	0.35	ug/L			11/30/18 14:31	1

Client Sample ID: MW-5S-112918

Lab Sample ID: 480-145892-3

Date Collected: 11/29/18 09:05

Matrix: Water

Date Received: 11/29/18 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**11**		1.0	0.81	ug/L			11/30/18 14:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/30/18 14:31	1
Cyclohexane	ND		1.0	0.18	ug/L			11/30/18 14:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/30/18 14:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/30/18 14:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/30/18 14:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/30/18 14:31	1
Methyl acetate	ND		2.5	1.3	ug/L			11/30/18 14:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/30/18 14:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/30/18 14:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/30/18 14:31	1
Styrene	ND		1.0	0.73	ug/L			11/30/18 14:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/30/18 14:31	1
Toluene	ND		1.0	0.51	ug/L			11/30/18 14:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/30/18 14:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/30/18 14:31	1
Trichloroethene	**12**		1.0	0.46	ug/L			11/30/18 14:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/30/18 14:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/30/18 14:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/30/18 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/30/18 14:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/30/18 14:31*	*1*
4-Bromofluorobenzene (Surr)	*78*		*73 - 120*		*11/30/18 14:31*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*11/30/18 14:31*	*1*

Client Sample ID: MW-4D-112918

Lab Sample ID: 480-145892-4

Date Collected: 11/29/18 09:38

Matrix: Water

Date Received: 11/29/18 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/30/18 14:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/30/18 14:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/30/18 14:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/30/18 14:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/30/18 14:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/30/18 14:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/30/18 14:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/30/18 14:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/30/18 14:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/30/18 14:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/30/18 14:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/30/18 14:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/30/18 14:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/30/18 14:59	1
2-Hexanone	ND		5.0	1.2	ug/L			11/30/18 14:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/30/18 14:59	1
Acetone	ND		10	3.0	ug/L			11/30/18 14:59	1

Client Sample ID: MW-4D-112918
Date Collected: 11/29/18 09:38
Date Received: 11/29/18 12:40

Lab Sample ID: 480-145892-4
Matrix: Water

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			11/30/18 14:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/30/18 14:59	1
Bromoform	ND		1.0	0.26	ug/L			11/30/18 14:59	1
Bromomethane	ND		1.0	0.69	ug/L			11/30/18 14:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/30/18 14:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/30/18 14:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/30/18 14:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/30/18 14:59	1
Chloroethane	ND		1.0	0.32	ug/L			11/30/18 14:59	1
Chloroform	ND		1.0	0.34	ug/L			11/30/18 14:59	1
Chloromethane	ND		1.0	0.35	ug/L			11/30/18 14:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/30/18 14:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/30/18 14:59	1
Cyclohexane	ND		1.0	0.18	ug/L			11/30/18 14:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/30/18 14:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/30/18 14:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/30/18 14:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/30/18 14:59	1
Methyl acetate	ND		2.5	1.3	ug/L			11/30/18 14:59	1
Methyl tert-butyl ether	**0.41**	**J**	1.0	0.16	ug/L			11/30/18 14:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/30/18 14:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/30/18 14:59	1
Styrene	ND		1.0	0.73	ug/L			11/30/18 14:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/30/18 14:59	1
Toluene	ND		1.0	0.51	ug/L			11/30/18 14:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/30/18 14:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/30/18 14:59	1
Trichloroethene	ND		1.0	0.46	ug/L			11/30/18 14:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/30/18 14:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/30/18 14:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/30/18 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*11/30/18 14:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*11/30/18 14:59*	*1*
4-Bromofluorobenzene (Surr)	*74*		*73 - 120*		*11/30/18 14:59*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*11/30/18 14:59*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-145892-1

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)
480-145892-1	QC TRIP BLANK	94	109	78	95
480-145892-2	MW-6S-112918	93	105	78	91
480-145892-3	MW-5S-112918	94	101	78	90
480-145892-4	MW-4D-112918	92	107	74	94
LCS 480-448304/5	Lab Control Sample	92	106	82	94
MB 480-448304/7	Method Blank	91	100	77	92

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 480-448304/7
Matrix: Water
Analysis Batch: 448304

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			11/30/18 11:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/30/18 11:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/30/18 11:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/30/18 11:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/30/18 11:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/30/18 11:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/30/18 11:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/30/18 11:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/30/18 11:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/30/18 11:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/30/18 11:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/30/18 11:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/30/18 11:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/30/18 11:31	1
2-Hexanone	ND		5.0	1.2	ug/L			11/30/18 11:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/30/18 11:31	1
Acetone	ND		10	3.0	ug/L			11/30/18 11:31	1
Benzene	ND		1.0	0.41	ug/L			11/30/18 11:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/30/18 11:31	1
Bromoform	ND		1.0	0.26	ug/L			11/30/18 11:31	1
Bromomethane	ND		1.0	0.69	ug/L			11/30/18 11:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/30/18 11:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/30/18 11:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/30/18 11:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/30/18 11:31	1
Chloroethane	ND		1.0	0.32	ug/L			11/30/18 11:31	1
Chloroform	ND		1.0	0.34	ug/L			11/30/18 11:31	1
Chloromethane	ND		1.0	0.35	ug/L			11/30/18 11:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/30/18 11:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/30/18 11:31	1
Cyclohexane	ND		1.0	0.18	ug/L			11/30/18 11:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/30/18 11:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/30/18 11:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/30/18 11:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/30/18 11:31	1
Methyl acetate	ND		2.5	1.3	ug/L			11/30/18 11:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/30/18 11:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/30/18 11:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/30/18 11:31	1
Styrene	ND		1.0	0.73	ug/L			11/30/18 11:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/30/18 11:31	1
Toluene	ND		1.0	0.51	ug/L			11/30/18 11:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/30/18 11:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/30/18 11:31	1
Trichloroethene	ND		1.0	0.46	ug/L			11/30/18 11:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/30/18 11:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/30/18 11:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/30/18 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		80 - 120		11/30/18 11:31	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		11/30/18 11:31	1
4-Bromofluorobenzene (Surr)	77		73 - 120		11/30/18 11:31	1
Dibromofluoromethane (Surr)	92		75 - 123		11/30/18 11:31	1

Lab Sample ID: LCS 480-448304/5
Matrix: Water
Analysis Batch: 448304

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	27.1		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.1		ug/L		109	76 - 120
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.7		ug/L		107	61 - 148
1,1-Dichloroethane	25.0	27.8		ug/L		111	77 - 120
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.1		ug/L		104	56 - 134
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	27.1		ug/L		108	75 - 120
1,2-Dichloropropane	25.0	26.8		ug/L		107	76 - 120
1,3-Dichlorobenzene	25.0	24.9		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 120
2-Butanone (MEK)	125	130		ug/L		104	57 - 140
2-Hexanone	125	122		ug/L		97	65 - 127
4-Methyl-2-pentanone (MIBK)	125	129		ug/L		103	71 - 125
Acetone	125	110		ug/L		88	56 - 142
Benzene	25.0	27.5		ug/L		110	71 - 124
Bromodichloromethane	25.0	27.1		ug/L		108	80 - 122
Bromoform	25.0	21.1		ug/L		84	61 - 132
Bromomethane	25.0	25.9		ug/L		103	55 - 144
Carbon disulfide	25.0	28.4		ug/L		113	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134
Chlorobenzene	25.0	22.4		ug/L		90	80 - 120
Dibromochloromethane	25.0	22.4		ug/L		89	75 - 125
Chloroethane	25.0	28.1		ug/L		113	69 - 136
Chloroform	25.0	27.0		ug/L		108	73 - 127
Chloromethane	25.0	26.0		ug/L		104	68 - 124
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	27.8		ug/L		111	74 - 124
Cyclohexane	25.0	29.6		ug/L		118	59 - 135
Dichlorodifluoromethane	25.0	23.2		ug/L		93	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
1,2-Dibromoethane	25.0	22.8		ug/L		91	77 - 120
Isopropylbenzene	25.0	26.7		ug/L		107	77 - 122
Methyl acetate	50.0	50.3		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	27.6		ug/L		110	77 - 120
Methylcyclohexane	25.0	27.0		ug/L		108	68 - 134
Methylene Chloride	25.0	25.6		ug/L		102	75 - 124
Styrene	25.0	23.4		ug/L		93	80 - 120
Tetrachloroethene	25.0	22.2		ug/L		89	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127

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

Lab Sample ID: LCS 480-448304/5
Matrix: Water
Analysis Batch: 448304

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	26.4		ug/L		105	80 - 120		
Trichloroethene			25.0	24.7		ug/L		99	74 - 123		
Trichlorofluoromethane			25.0	25.9		ug/L		104	62 - 150		
Vinyl chloride			25.0	27.5		ug/L		110	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*82*		*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: 480-145892-1

GC/MS VOA

Analysis Batch: 448304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145892-1	QC TRIP BLANK	Total/NA	Water	8260C	
480-145892-2	MW-6S-112918	Total/NA	Water	8260C	
480-145892-3	MW-5S-112918	Total/NA	Water	8260C	
480-145892-4	MW-4D-112918	Total/NA	Water	8260C	
MB 480-448304/7	Method Blank	Total/NA	Water	8260C	
LCS 480-448304/5	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: 480-145892-1

Client Sample ID: QC TRIP BLANK
Lab Sample ID: 480-145892-1
Date Collected: 11/29/18 00:00
Matrix: Water
Date Received: 11/29/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	448304	11/30/18 13:36	RLB	TAL BUF

Client Sample ID: MW-6S-112918
Lab Sample ID: 480-145892-2
Date Collected: 11/29/18 07:55
Matrix: Water
Date Received: 11/29/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	448304	11/30/18 14:03	RLB	TAL BUF

Client Sample ID: MW-5S-112918
Lab Sample ID: 480-145892-3
Date Collected: 11/29/18 09:05
Matrix: Water
Date Received: 11/29/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	448304	11/30/18 14:31	RLB	TAL BUF

Client Sample ID: MW-4D-112918
Lab Sample ID: 480-145892-4
Date Collected: 11/29/18 09:38
Matrix: Water
Date Received: 11/29/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	448304	11/30/18 14:59	RLB	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: 480-145892-1

Laboratory: TestAmerica Buffalo

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

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

Method Summary

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

TestAmerica Job ID: 480-145892-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = 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: 480-145892-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-145892-1	QC TRIP BLANK	Water	11/29/18 00:00	11/29/18 12:40
480-145892-2	MW-6S-112918	Water	11/29/18 07:55	11/29/18 12:40
480-145892-3	MW-5S-112918	Water	11/29/18 09:05	11/29/18 12:40
480-145892-4	MW-4D-112918	Water	11/29/18 09:38	11/29/18 12:40

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SGM/MK	Lab PM: Deyo, Melissa L.	Carrier Tracking No(s):	COC No: 480-121939-26531.1
Client Contact: Mr. Yuri Veliz	Phone: (315)956-6100	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 31
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):			A - HCL, B - NaOH, C - ..., D - ..., E - ..., F - ..., G - ..., H - ..., I - ..., J - ..., K - ..., L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 91802246			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Forest Glen Monitoring	Project #: 48002808			
Site: FOREST GLEN	SSOW#:			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		
QC TRIP BLANK	—	—	—	Water	N	N	X	2	
MW-6S-112918	11/29/2018	0755	G	Water	N	N	X	3	
MW-5S-112918	11/29/2018	0905	G	Water	N	N	X	3	
MW-4D-112918	11/29/2018	0938	G	Water	N	N	X	3	
				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: QMP 313 #1

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Scott Mahler	Date/Time: 11/29/2018-12:40	Company: OBG	Received by:	Date/Time: 11/29/18 1246	Company: TAB		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-145892-1

Login Number: 145892
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	

Cooler Receipt Form

Client Name: OBG **Project:** Forrest Glen **Lab Work Order:** 28120

A. **Shipping/Container Information** (circle appropriate response)

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

Tracking Number: 1ZAV0602 01 4164 1174

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?			✓	
Headspace present?		✓		

Comments:_____

Cooler contents examined/received by : LG **Date:** 9.21.18

Project Manager Review : EFG **Date:** 9/21/18.

Pace Analytical®
www.pacelabs.com

220 William Pitt Way
Pittsburgh, PA 15238
412-826-5245

28108

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

013053

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: OBRIEN & GERE	Report To: YURI VELIZ	Attention:
Address: 333 WEST WASHINGTON ST PO BOX 4873 E. SYRACUSE NY 13221	Copy To:	Company Name:
		Address:
Email To: YURI.VELIZ@OBG.COM	Purchase Order No.:	Pace Quote Reference:
Phone: 315-956-6100 Fax: 315-463-7554	Project Name: FORREST GLEN MONITORING	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

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

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	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	X-1 091918	WT	G	9-19-18	—									X				Y	3		
2	MW 6D 091918	WT	G	9-19-18	10:45									X				Y	3		
3	MW 6DD 091918	WT	G	9-19-18	12:55									X				Y	3		
4	MW 4D 091918	WT	G	9-19-18	13:05									X				Y	3		
5	MW 5D 091918	WT	G	9-19-18	14:55									X				Y	3		
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Martin Kennedy/OBG	9-19-18	16:20	LOGAN PACE	9.20	1030	1	4	N	N

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Martin Kennedy

SIGNATURE of SAMPLER: Martin Kennedy

DATE Signed (MM/DD/YY): 091918

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: Forrest Glen Lab Work Order: 28708

A. **Shipping/Container Information** (circle appropriate response)

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

Tracking Number: 1Z AV8 6020 1 8367 1910

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: 10°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?			✓	
Headspace present?		✓		

Comments:_____

Cooler contents examined/received by : LY **Date:** 9.20.18

Project Manager Review : ERF **Date:** 9/20/18

NON-CONFORMANCE FORM

PAES Work Order #: 28108

Date: 9.20.18 Time of Receipt: 10:30 Receiver: CS

Client: OBG

REASON FOR NON-CONFORMANCE:

MW-13: One vial broke during transit.

ACTION TAKEN:

Client name: OBG Date: 9/20/18 Time: 15:56

Emailed client to notify.

Customer Service Initials: ERJ Date: 9/20/18

Emma Louis - RE: Forrest Glen Monitoring

From: Yuri Veliz <Yuri.Veliz@obg.com>
To: Emma Louis <Emma.Louis@pacelabs.com>
Date: 9/20/2018 4:14 PM
Subject: RE: Forrest Glen Monitoring
Cc: Martin Koennecke <Martin.Koennecke@obg.com>, Brent Little <Brent.Little@...

Ok, thanks for the notice. I will make sure they pack the vials with enough bubble wrap.

Yuri

From: Emma Louis [Emma.Louis@pacelabs.com]
Sent: Thursday, September 20, 2018 3:53 PM
To: Yuri Veliz <Yuri.Veliz@obg.com>
Subject: Forrest Glen Monitoring

Yuri

We received the samples for the project referenced above. During log-in, it was noted that for sample 'MW-1S', one vial broke during transit. We will use the remaining vials for analysis, I just wanted to inform you of this.

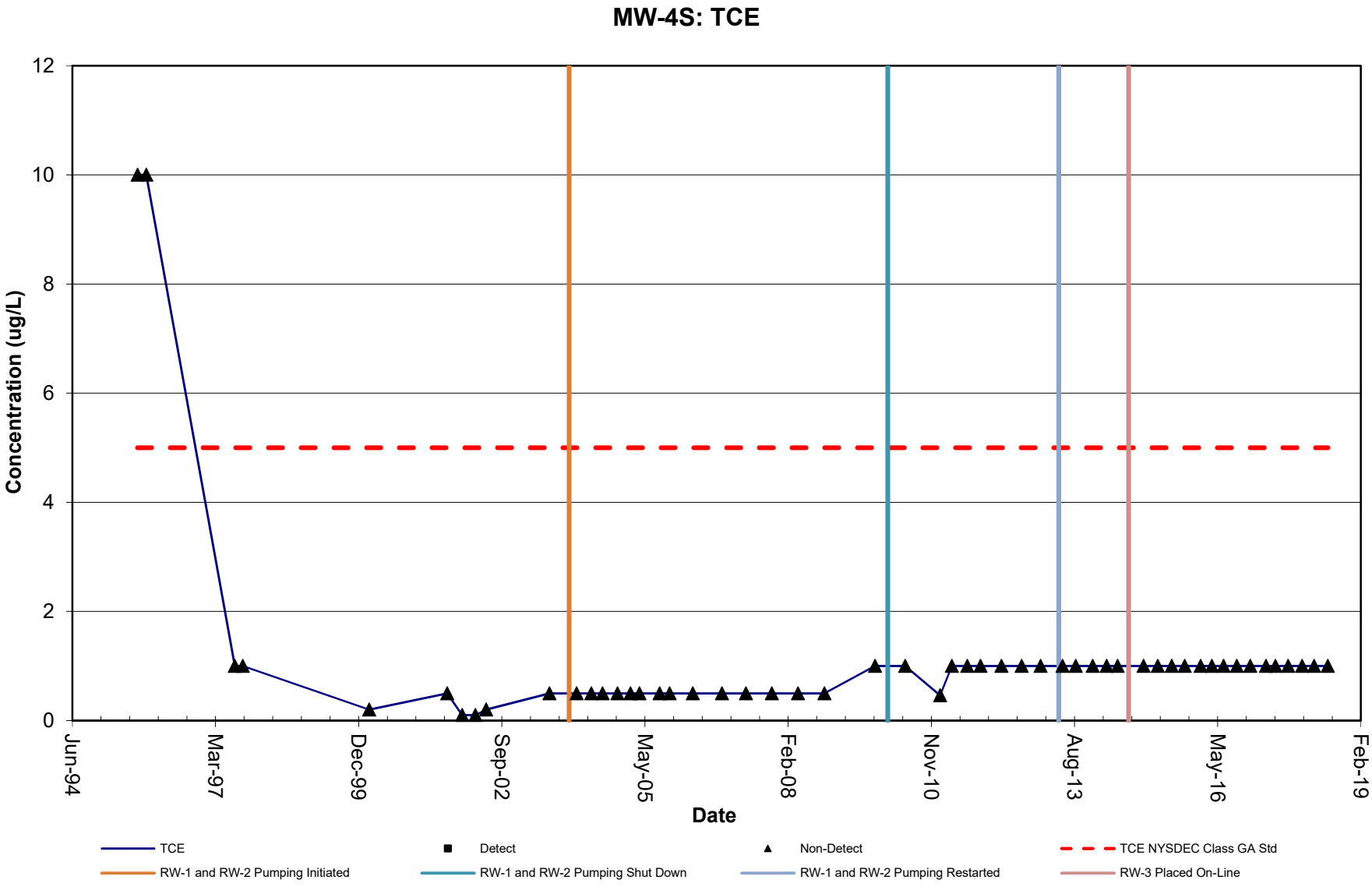
Thank you,

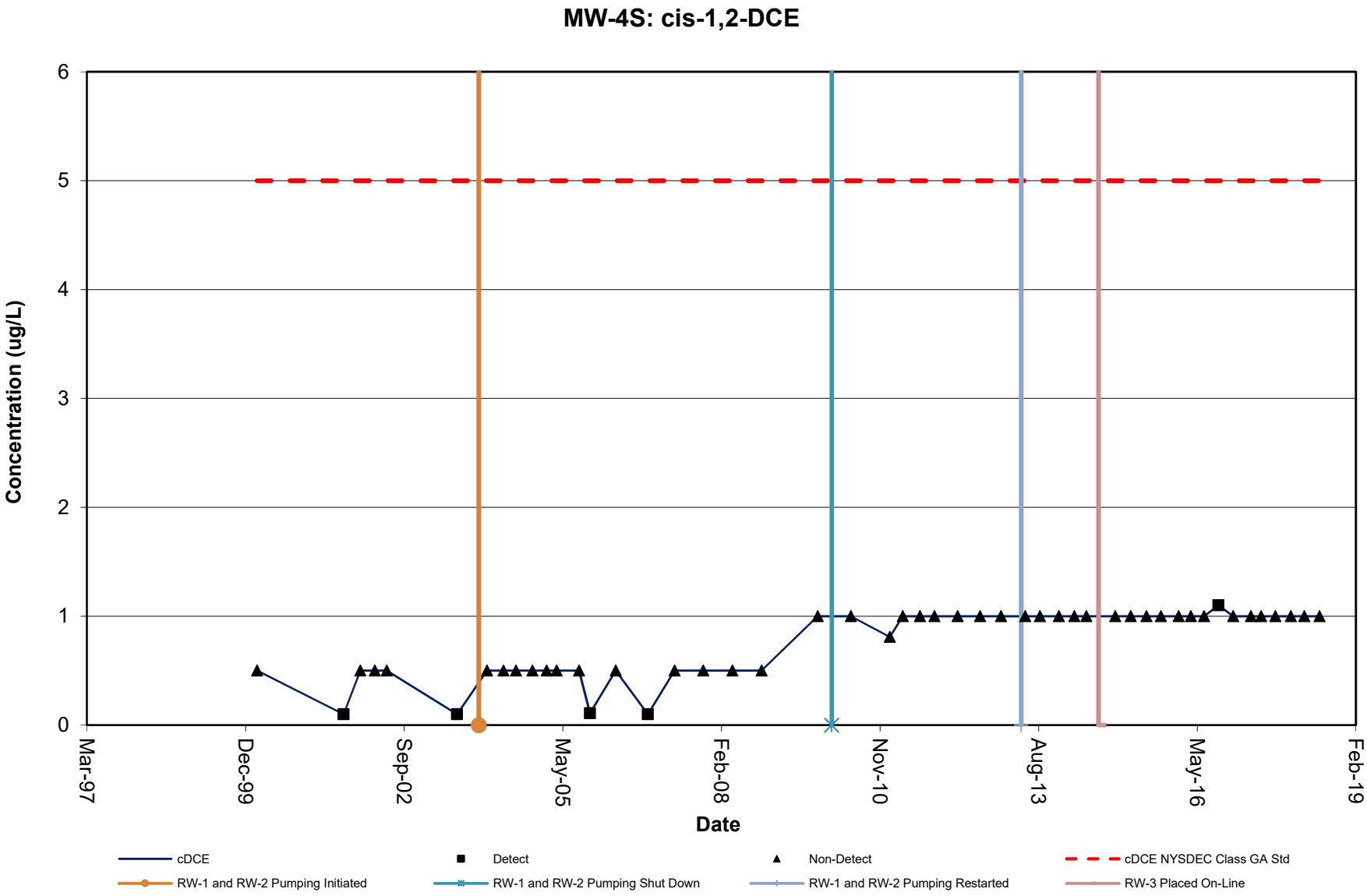
Emma Louis
Project Coordinator
Pace Analytical Energy Services, LLC
220 William Pitt Way
Pittsburgh, PA 15238
412-826-2378 (O) | 412-826-5245 (Main)
www.pacelabs.com

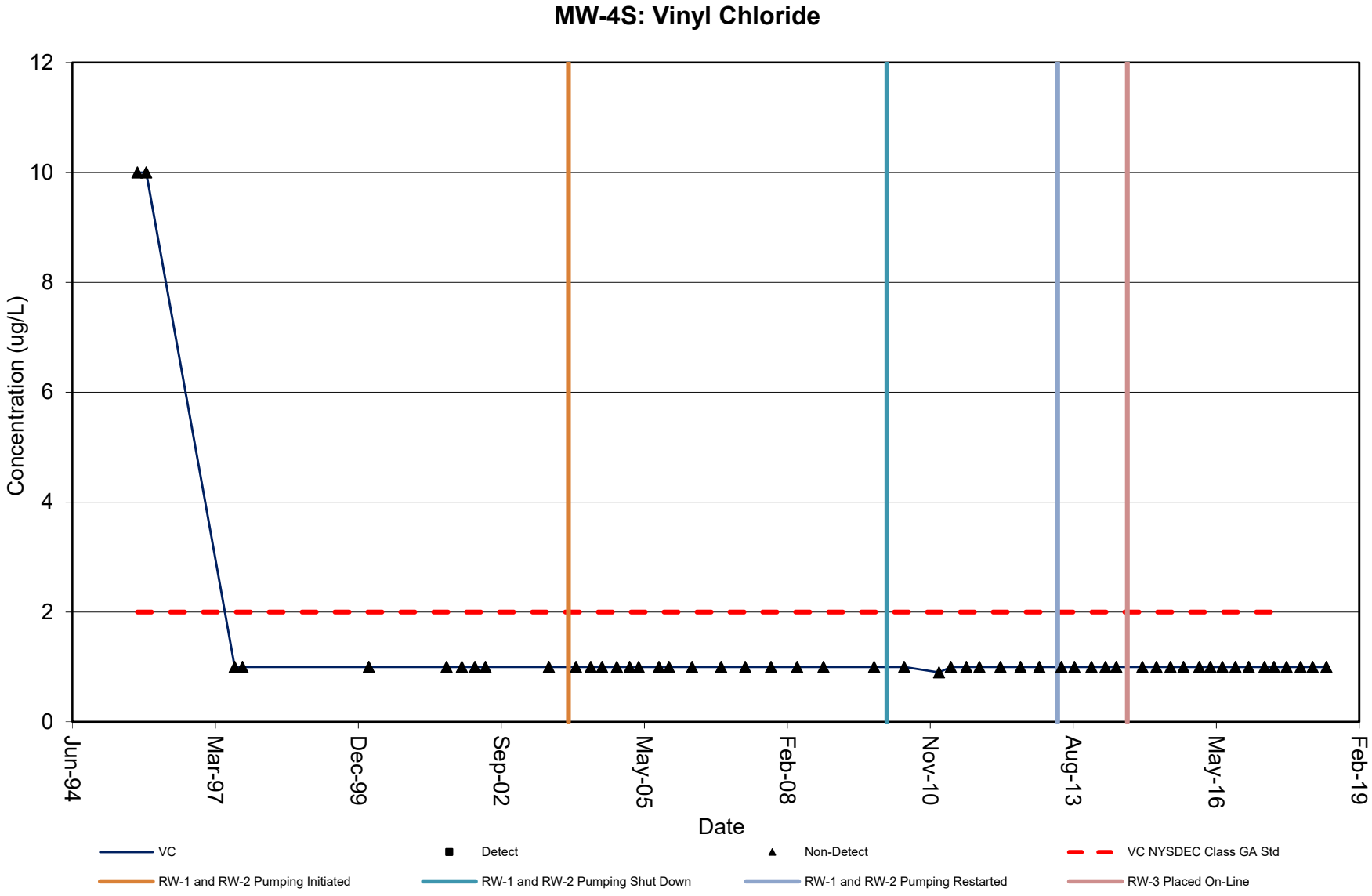
virus transmitted by this email. The recipient should check this email and any attachments for the presence of viruses. _____

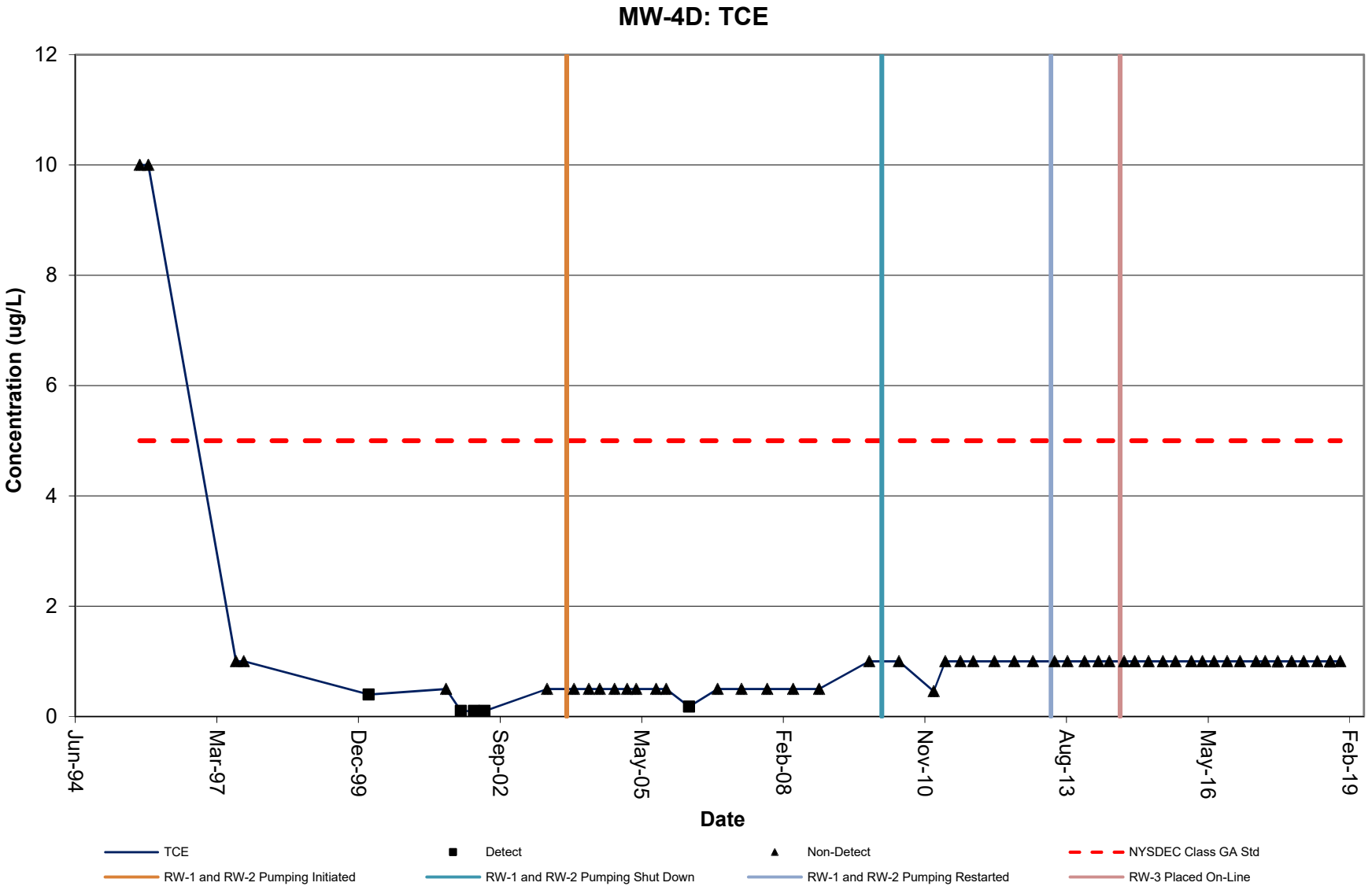
Appendix D

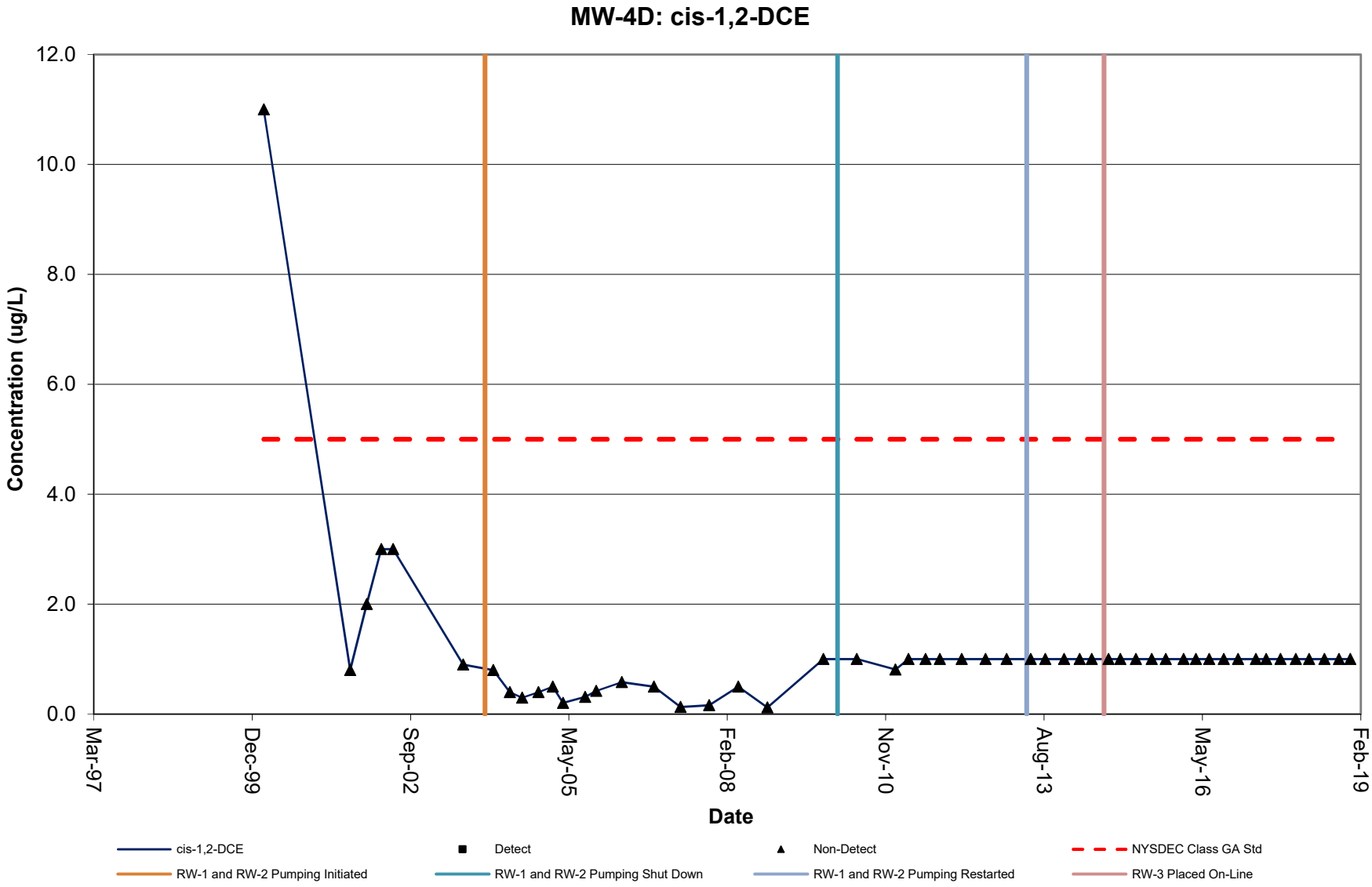
Groundwater VOC Concentration Trends

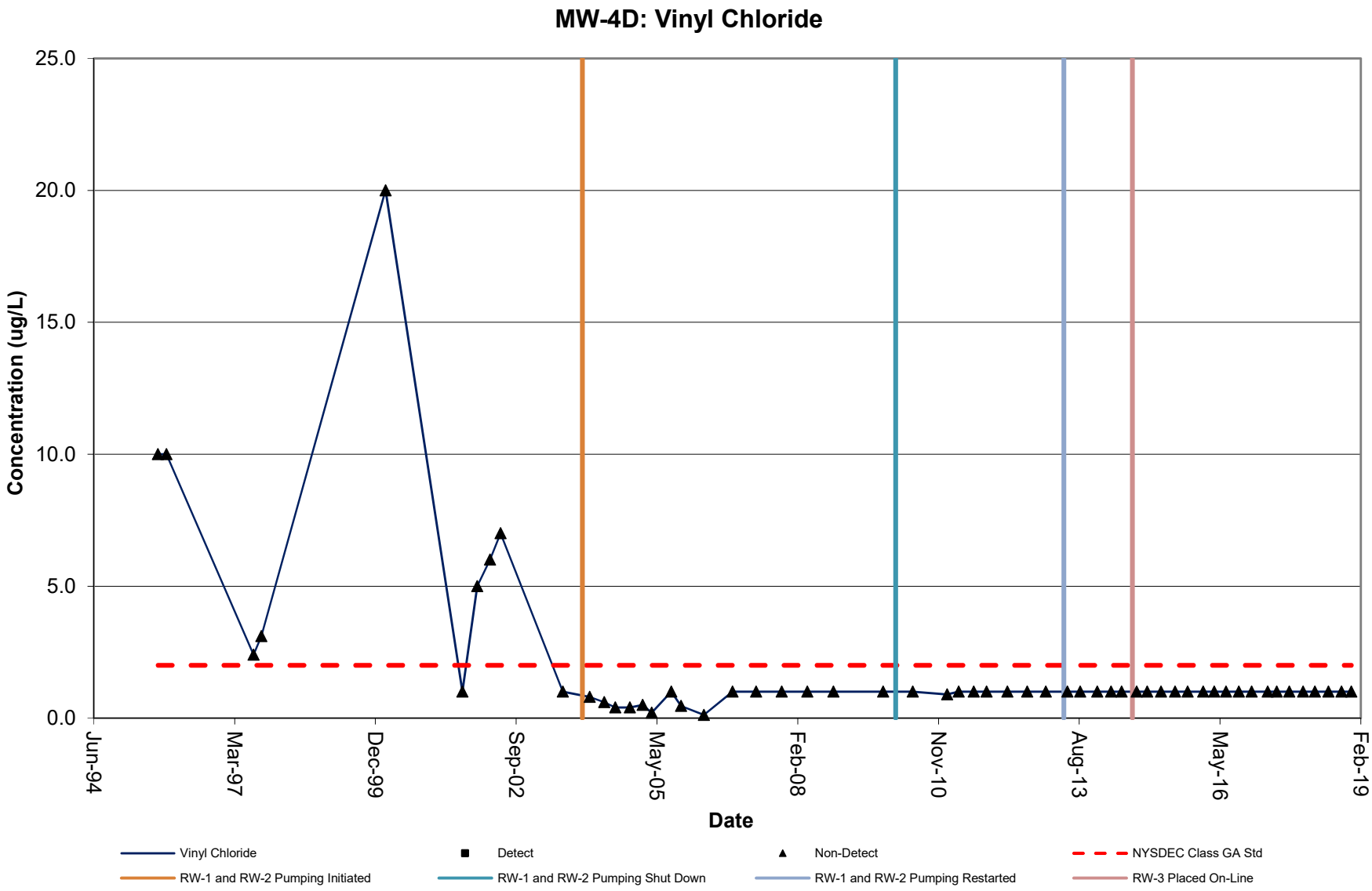

MW-4S: TCE
Concentration (ug/L)
12
10
8
6
4
2
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
TCE NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

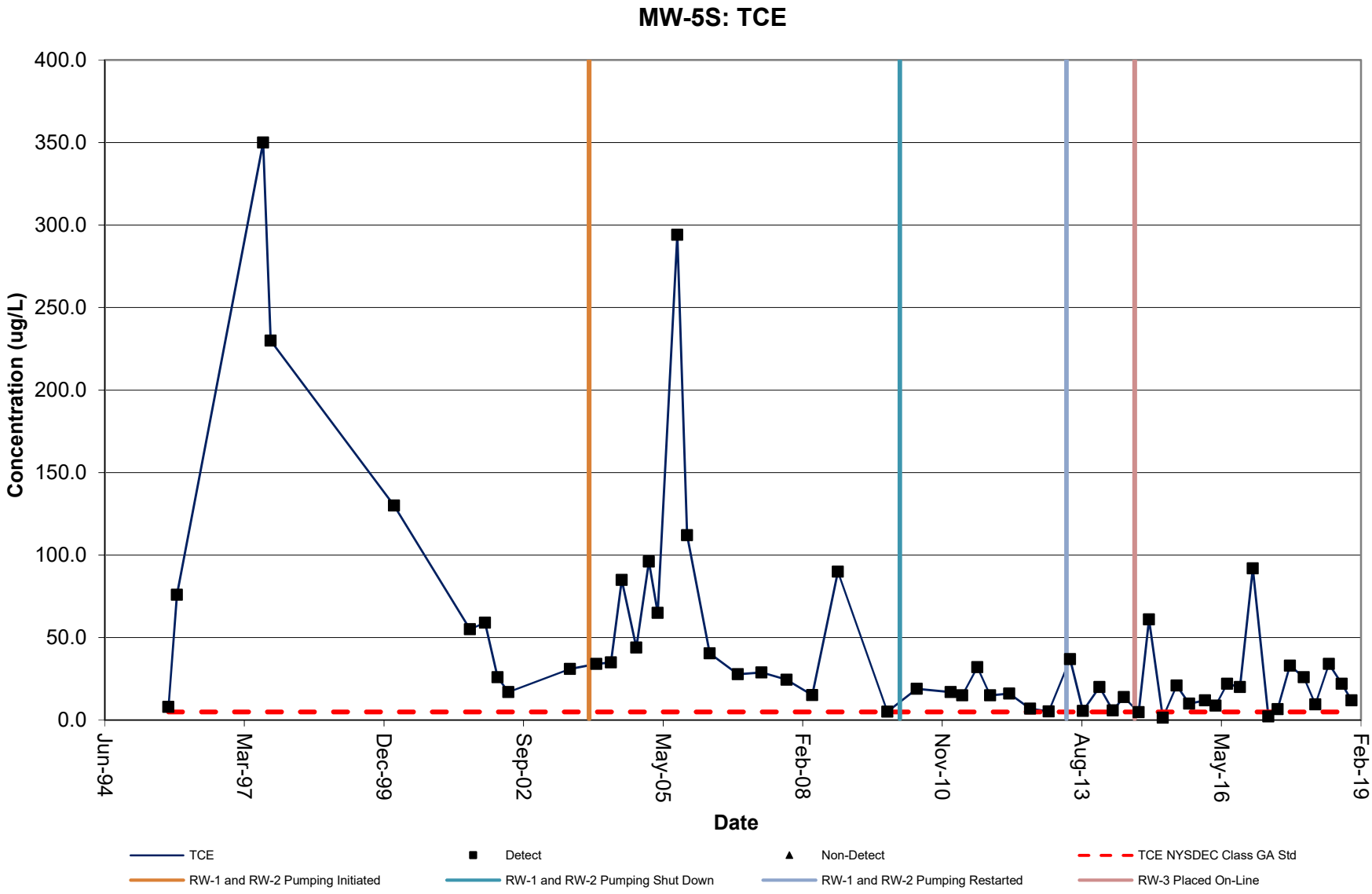

MW-4S: cis-1,2-DCE
Concentration (ug/L)
6
5
4
3
2
1
0
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cDCE
Detect
Non-Detect
cDCE NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

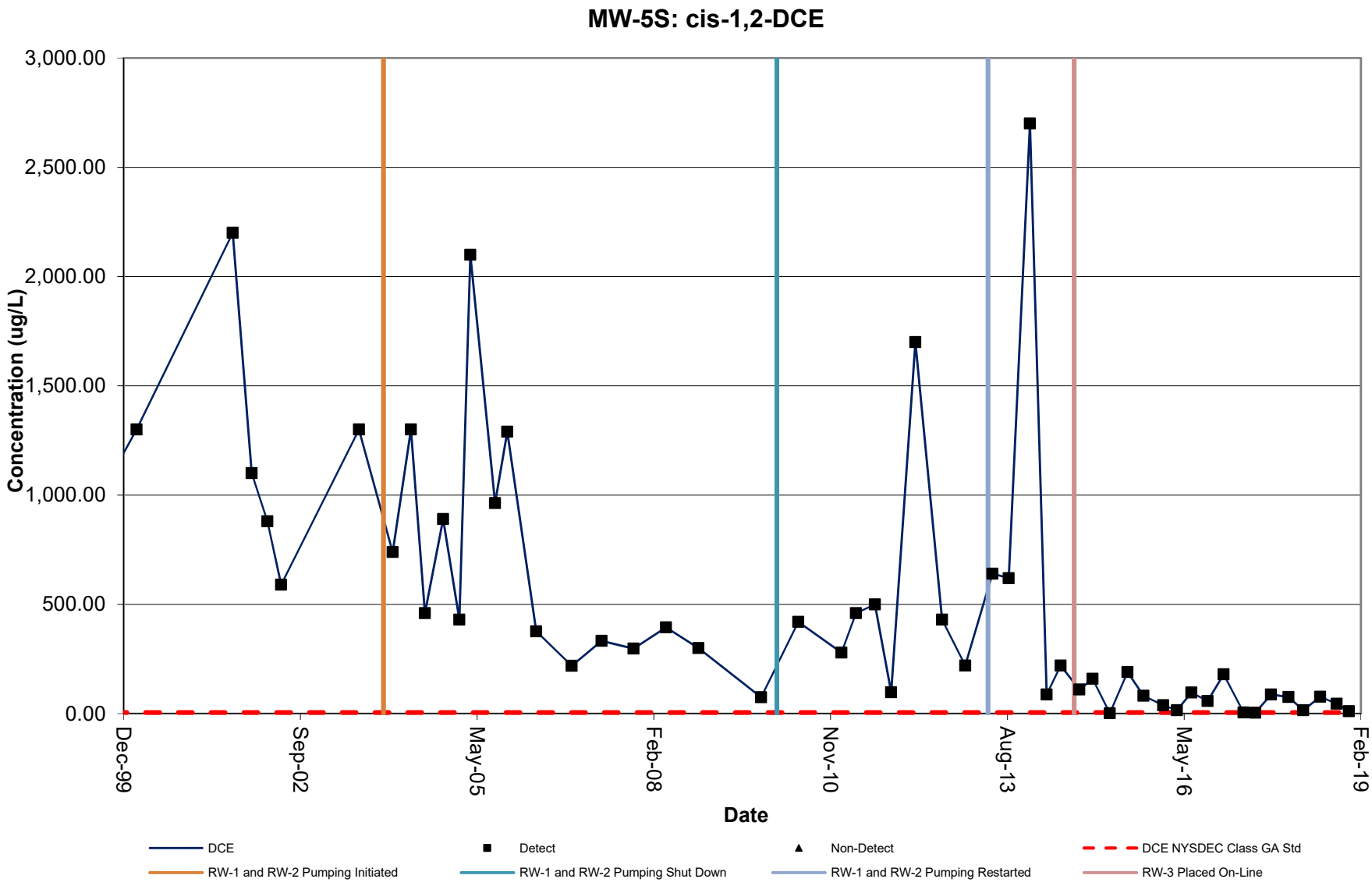

MW-4S: Vinyl Chloride
Concentration (ug/L)
12
10
8
6
4
2
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
VC
Detect
Non-Detect
VC NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

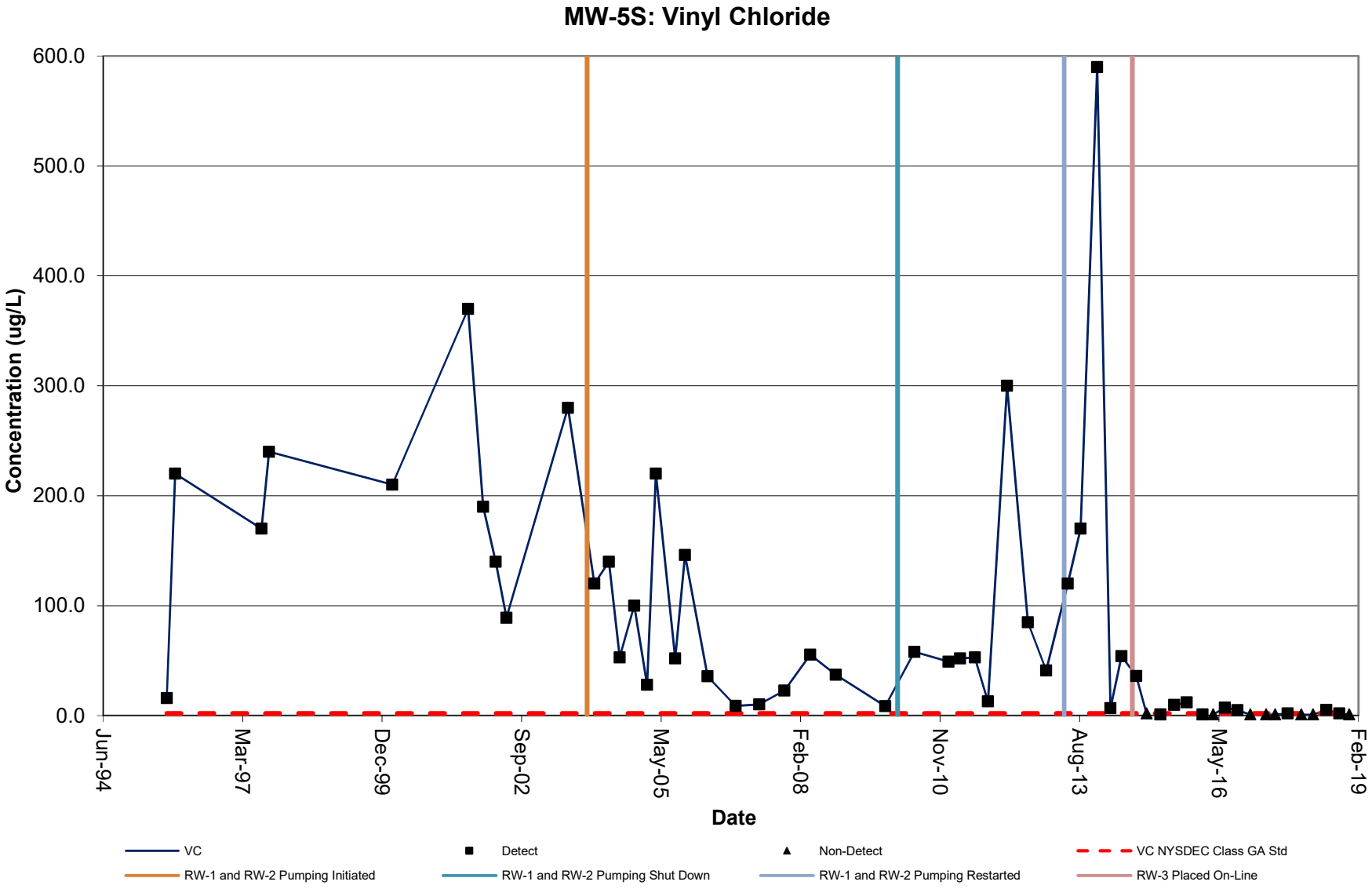

MW-4D: TCE
Concentration (ug/L)
12
10
8
6
4
2
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

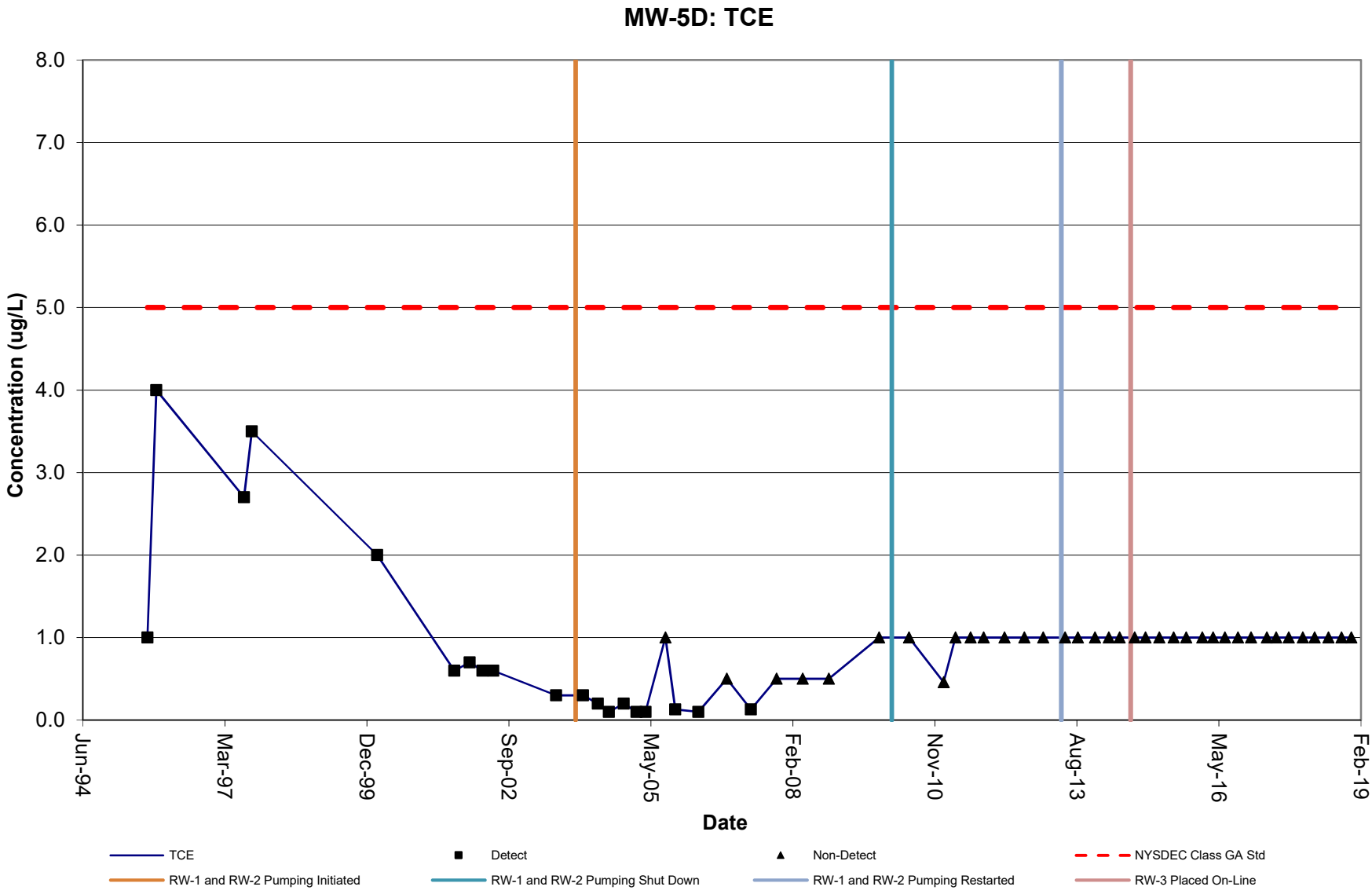

MW-4D: cis-1,2-DCE
Concentration (ug/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

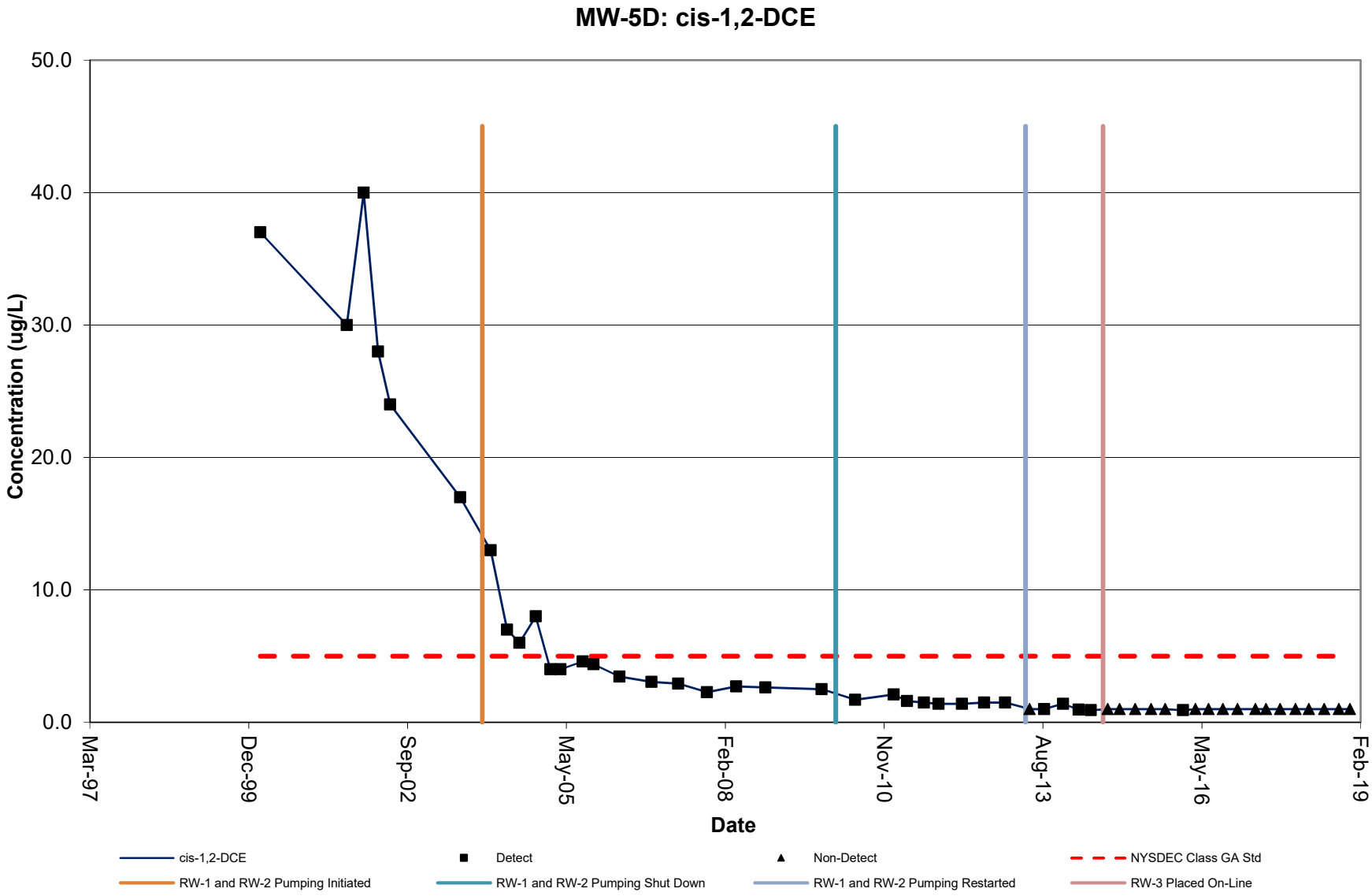

MW-4D: Vinyl Chloride
Concentration (ug/L)
25.0
20.0
15.0
10.0
5.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

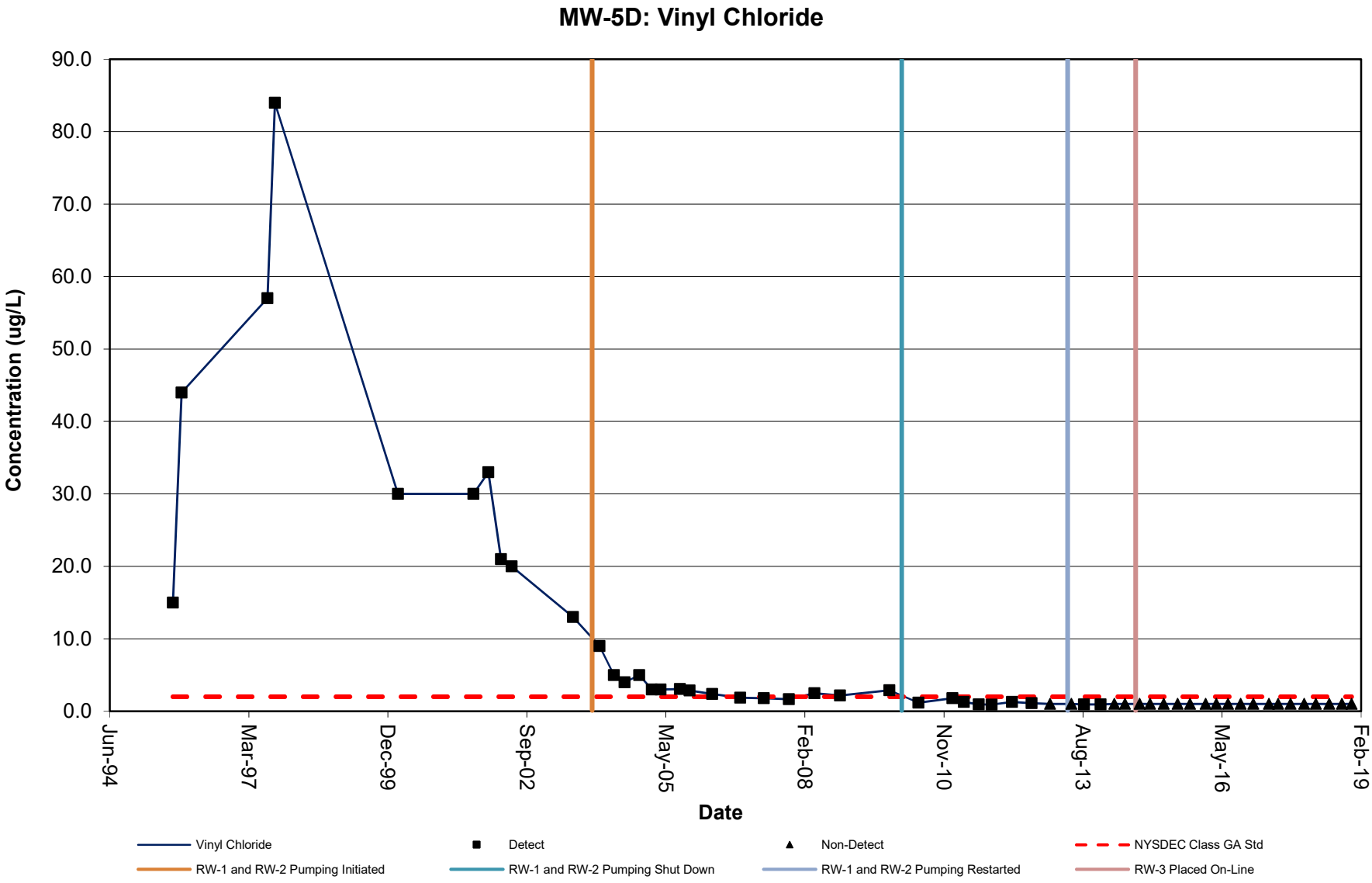

MW-5S: TCE
Concentration (ug/L)
400.0
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
TCE NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

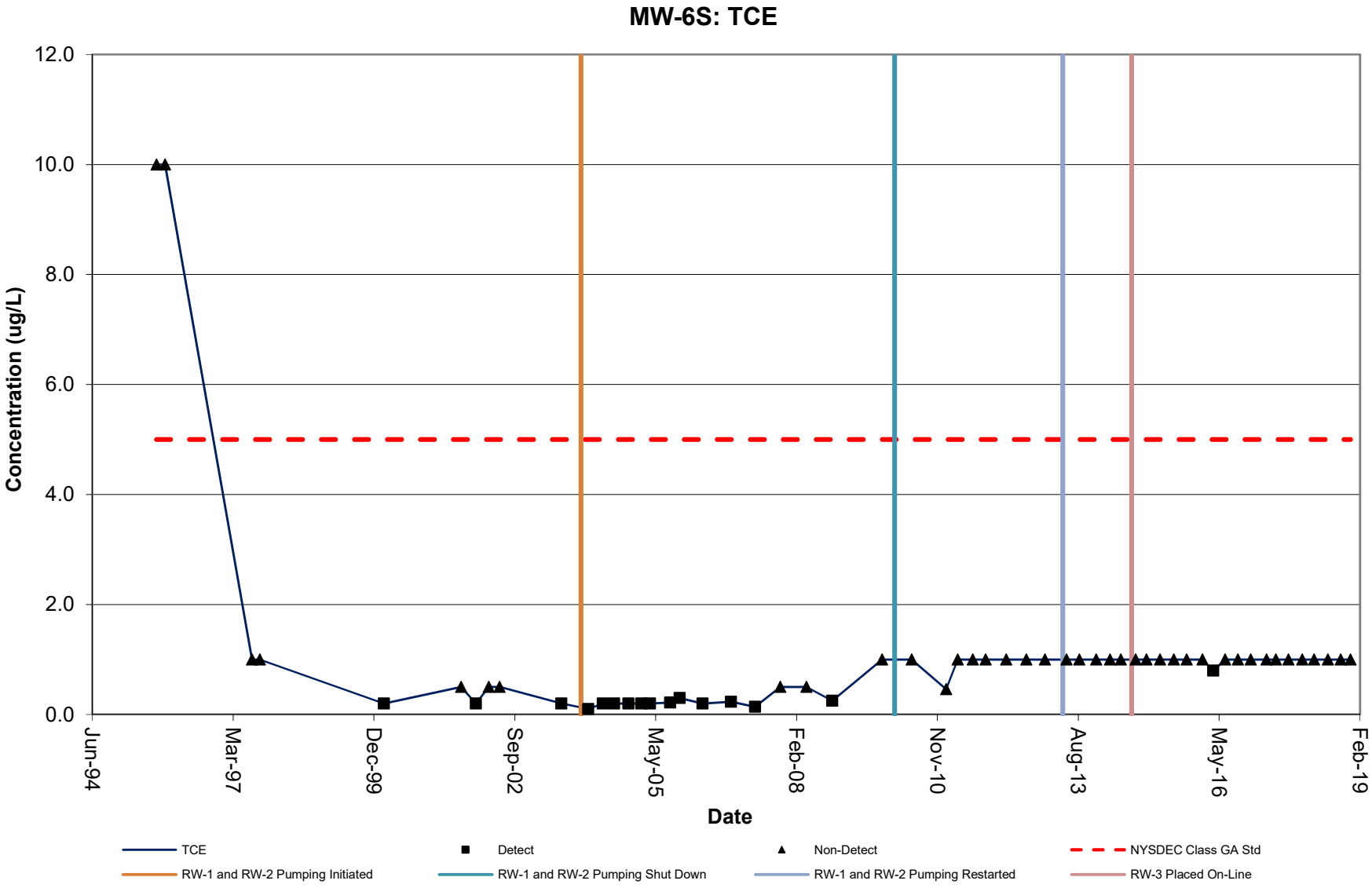

MW-5S: cis-1,2-DCE
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00
Concentration (ug/L)
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
DCE
Detect
Non-Detect
DCE NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

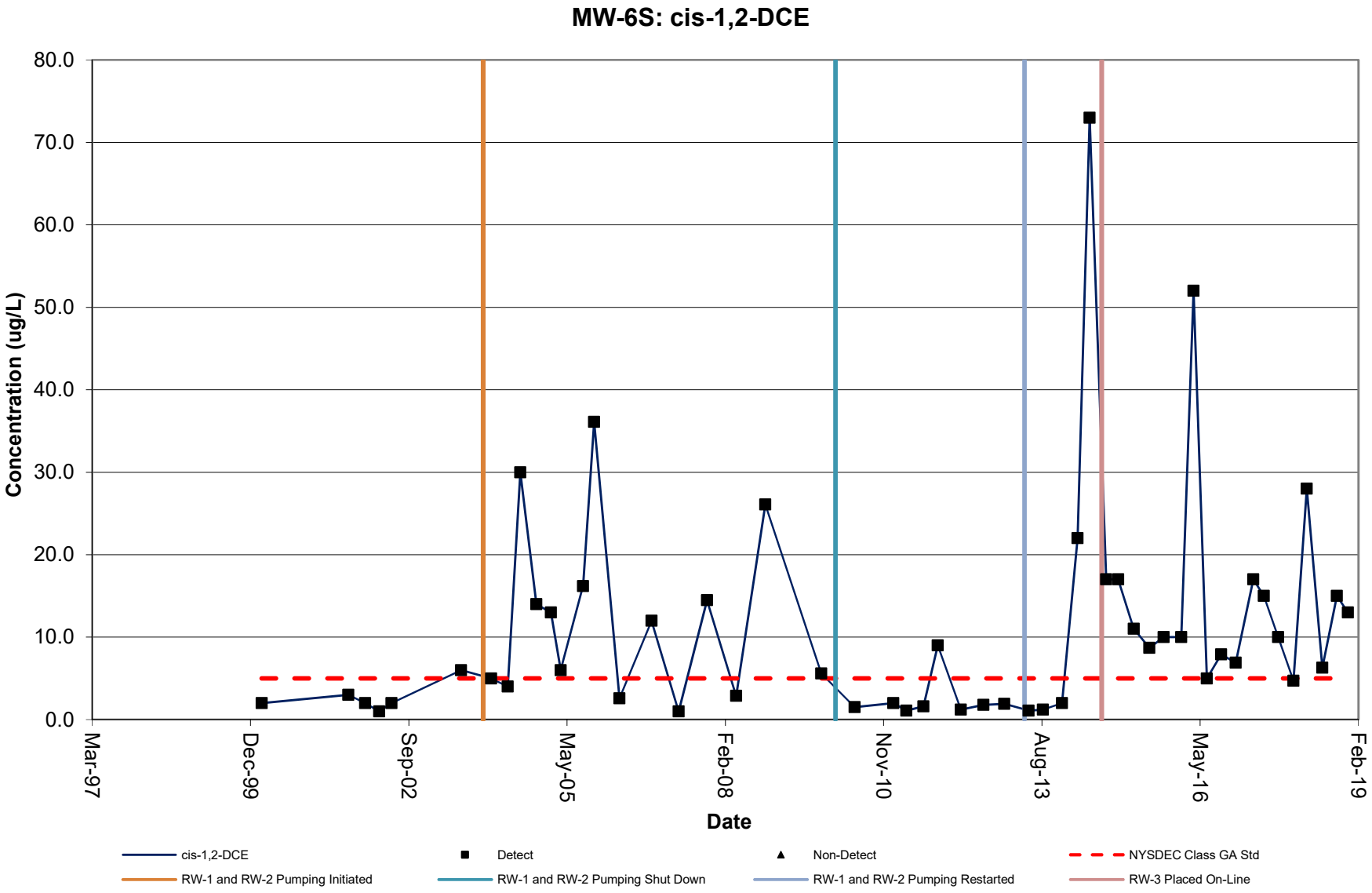

MW-5S: Vinyl Chloride
600.0
500.0
400.0
300.0
200.0
100.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
VC
Detect
Non-Detect
VC NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

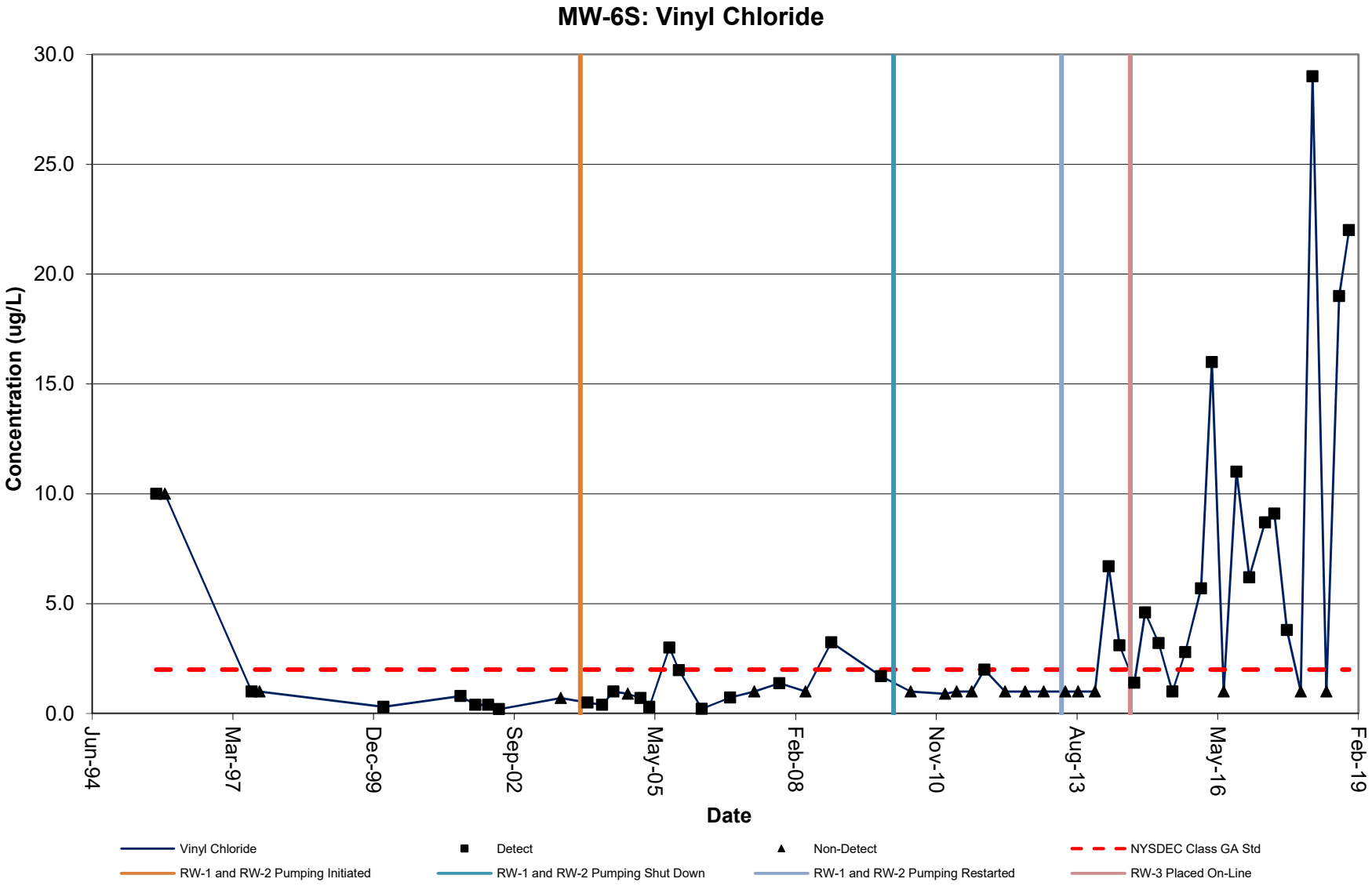

MW-5D: TCE
Concentration (ug/L)
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

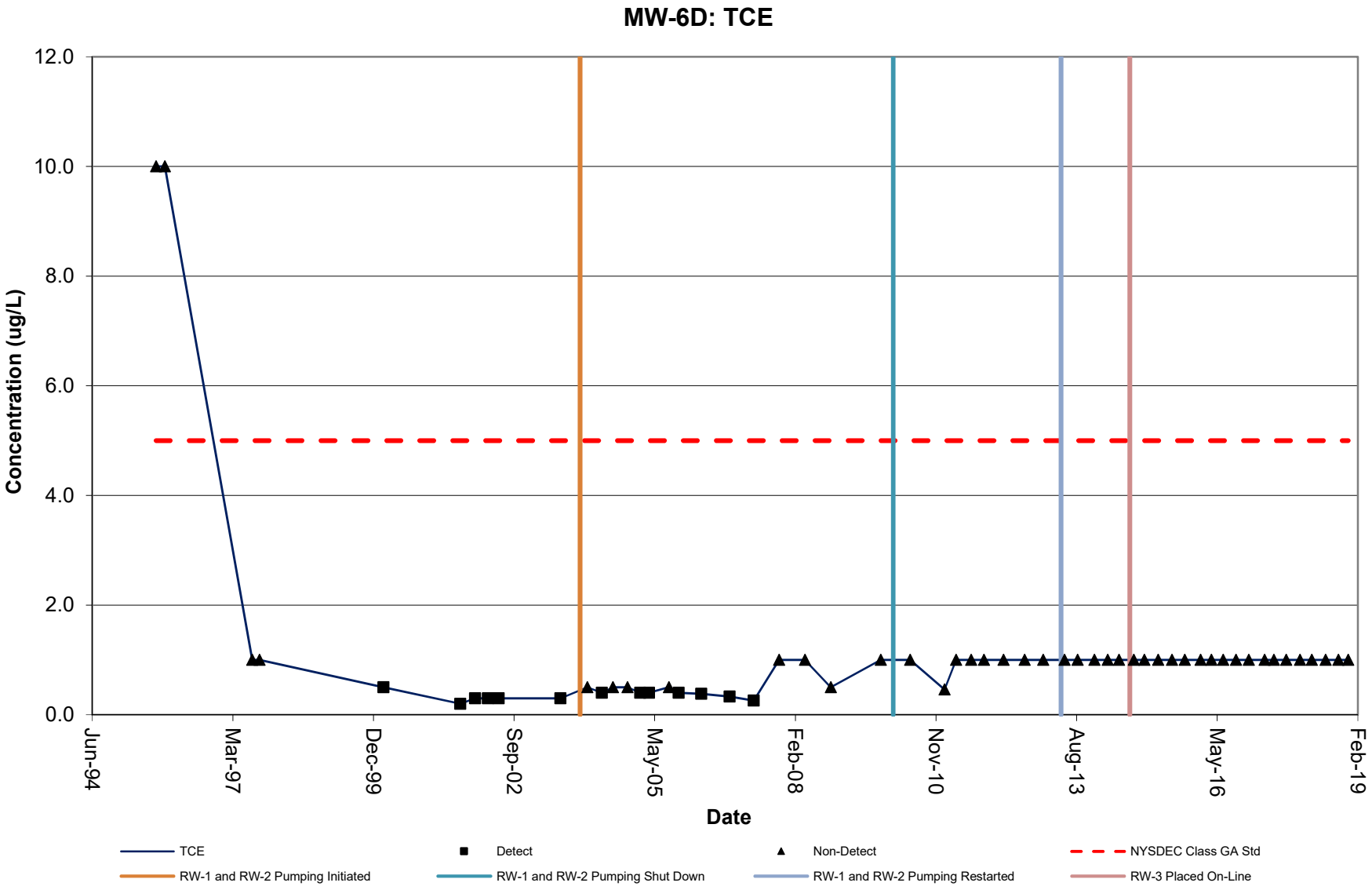

MW-5D: cis-1,2-DCE
50.0
40.0
30.0
20.0
10.0
0.0
Concentration (ug/L)
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

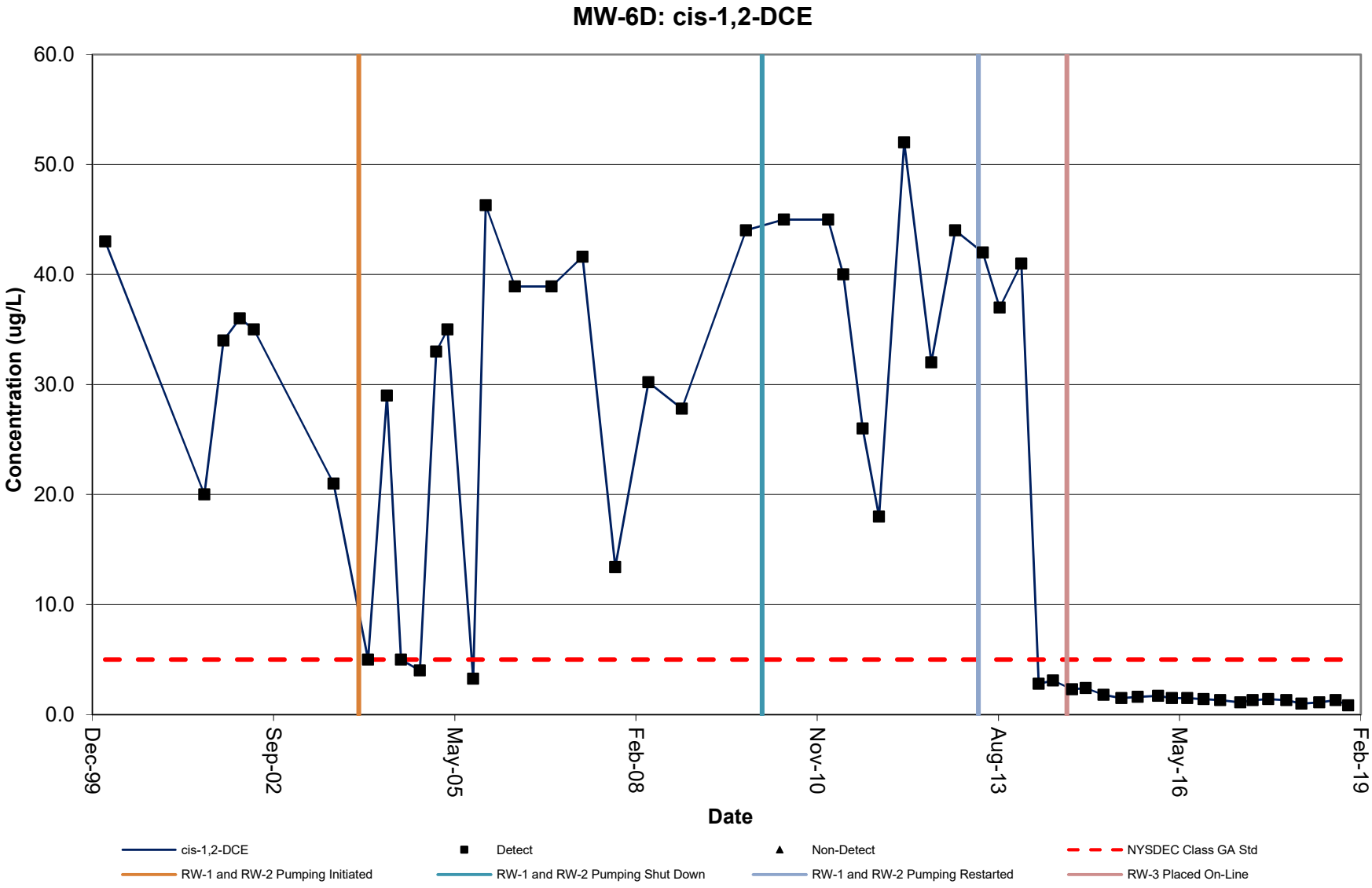

MW-5D: Vinyl Chloride
Concentration (ug/L)
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

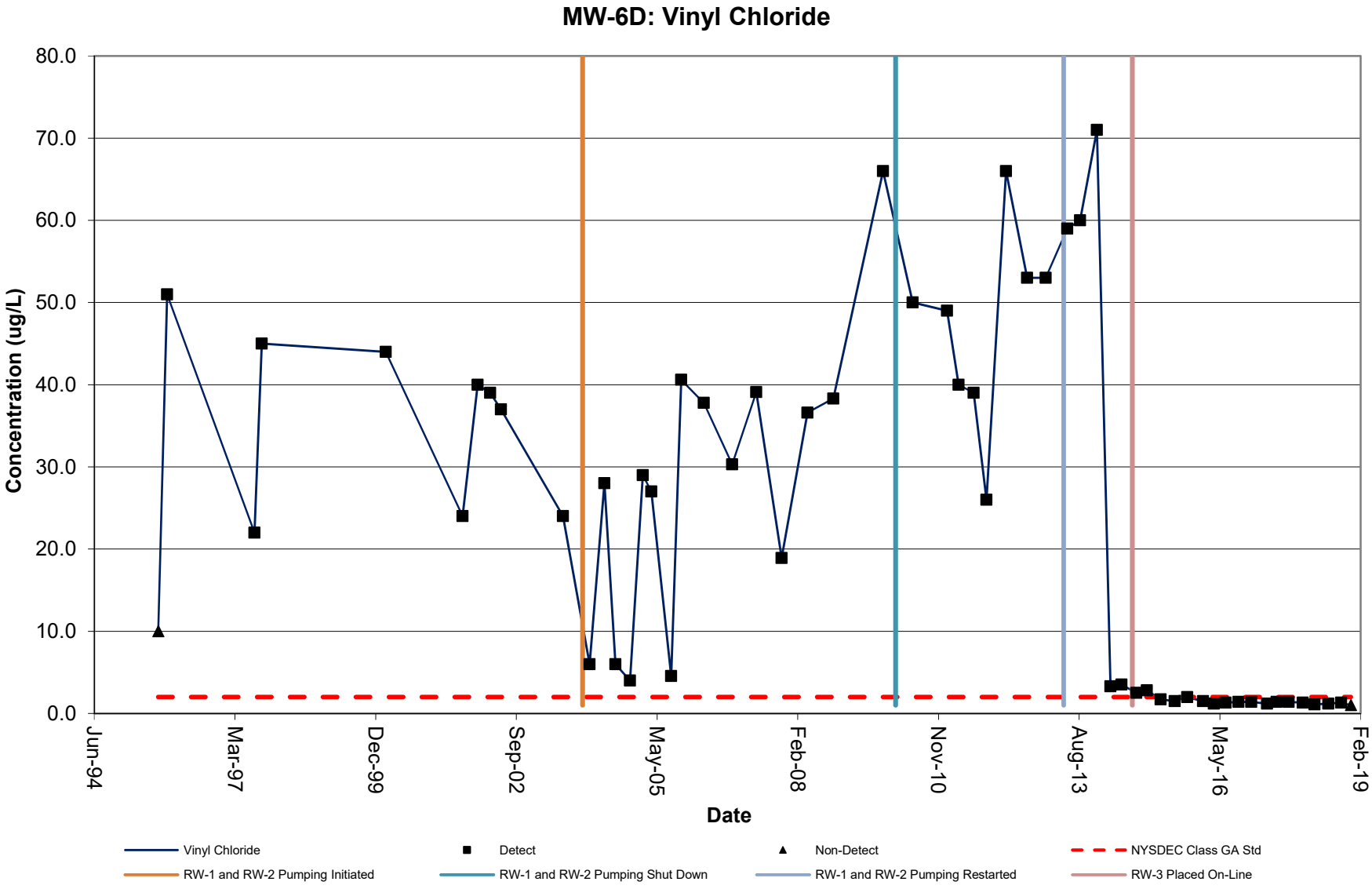

MW-6S: TCE
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

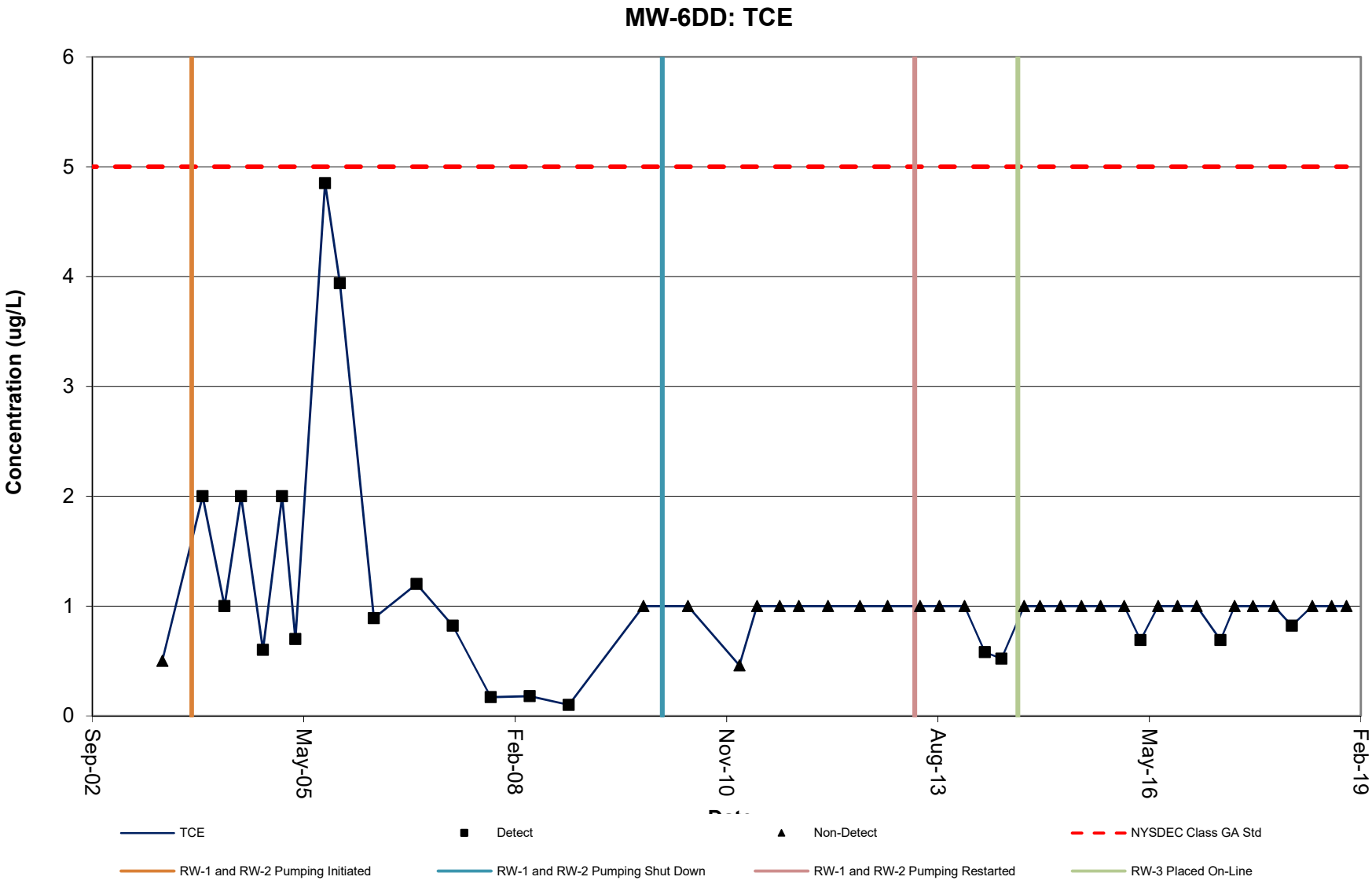

MW-6S: cis-1,2-DCE
Concentration (ug/L)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

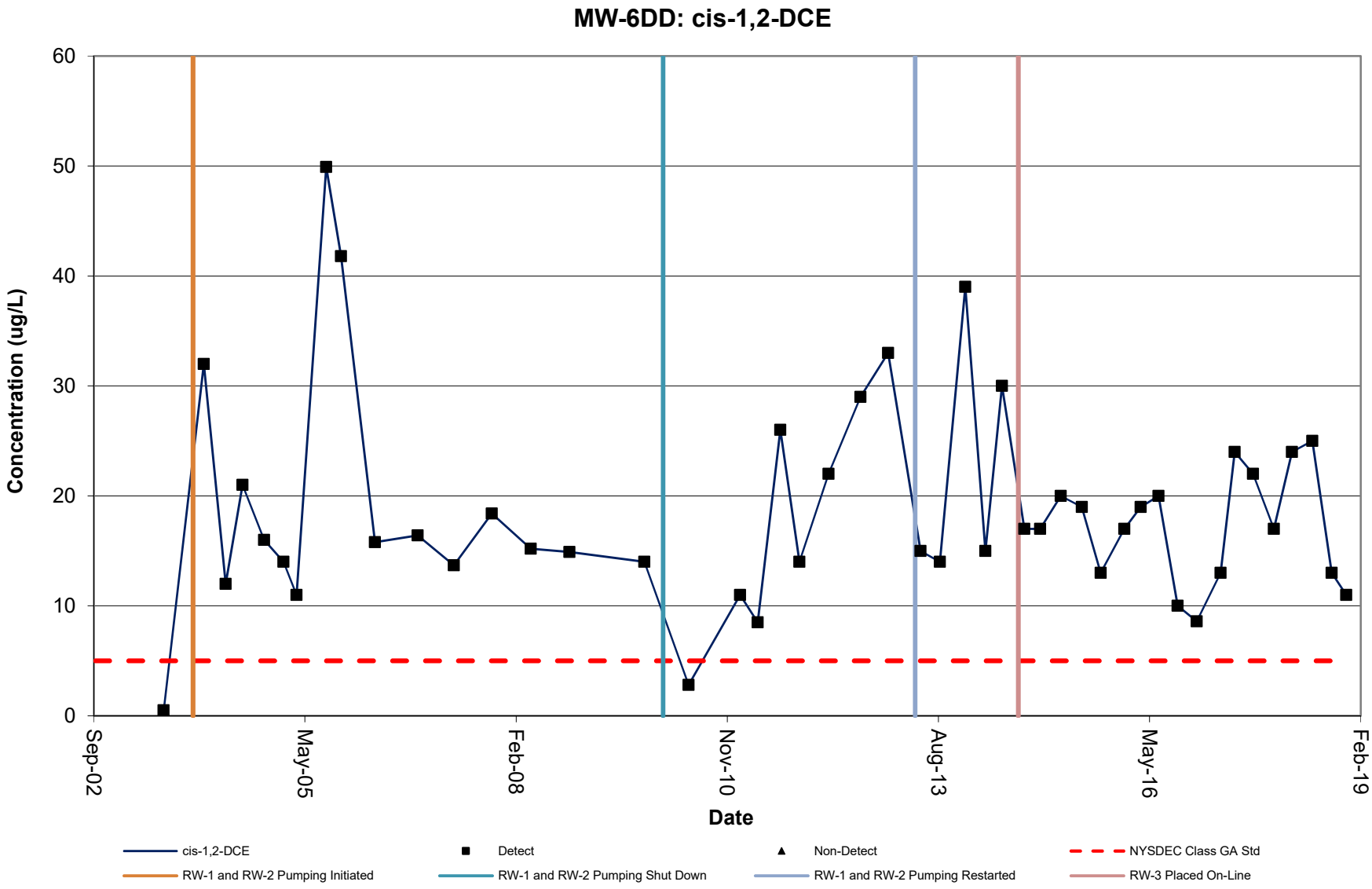

MW-6S: Vinyl Chloride
Concentration (ug/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

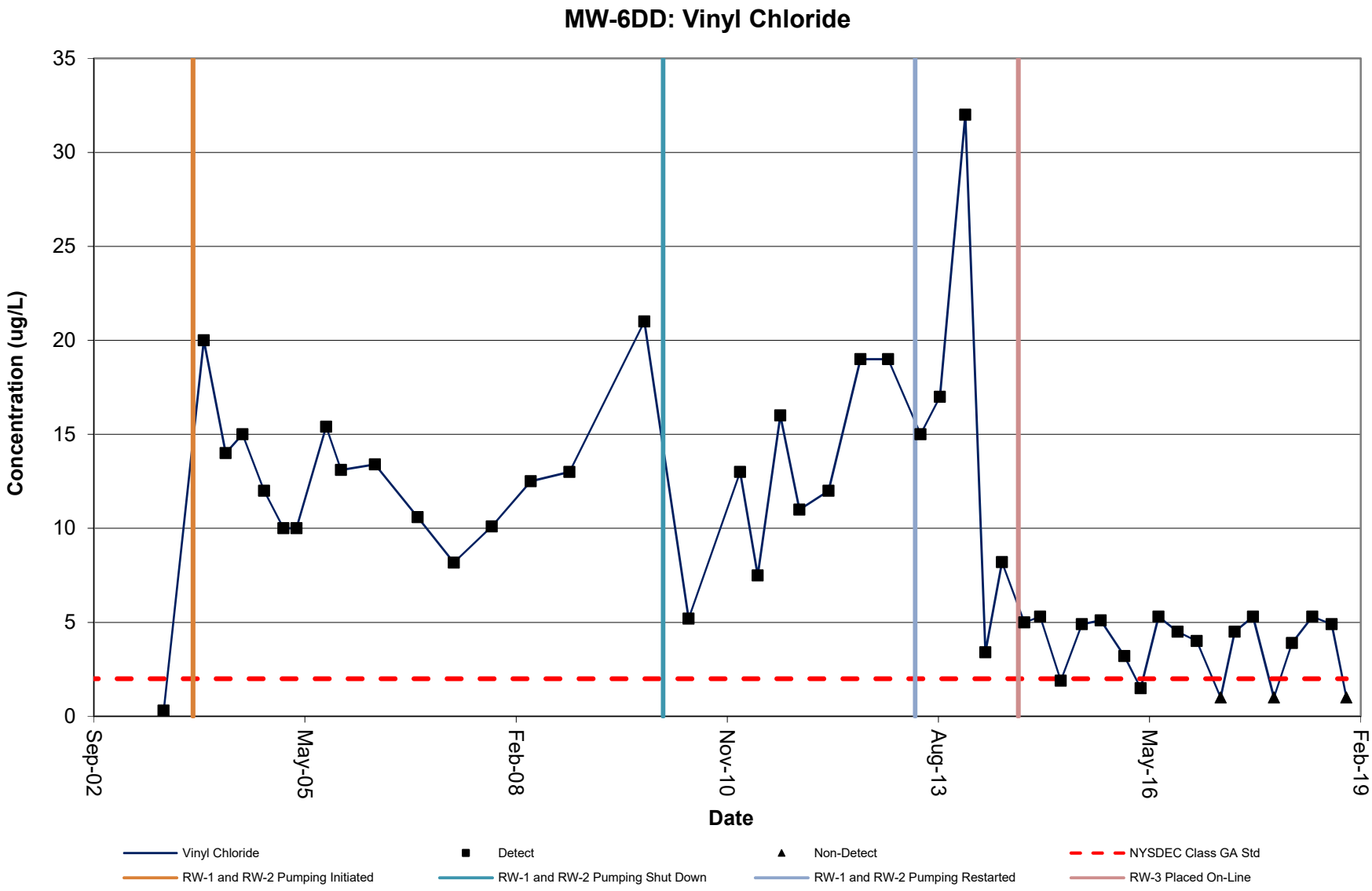

MW-6D: TCE
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

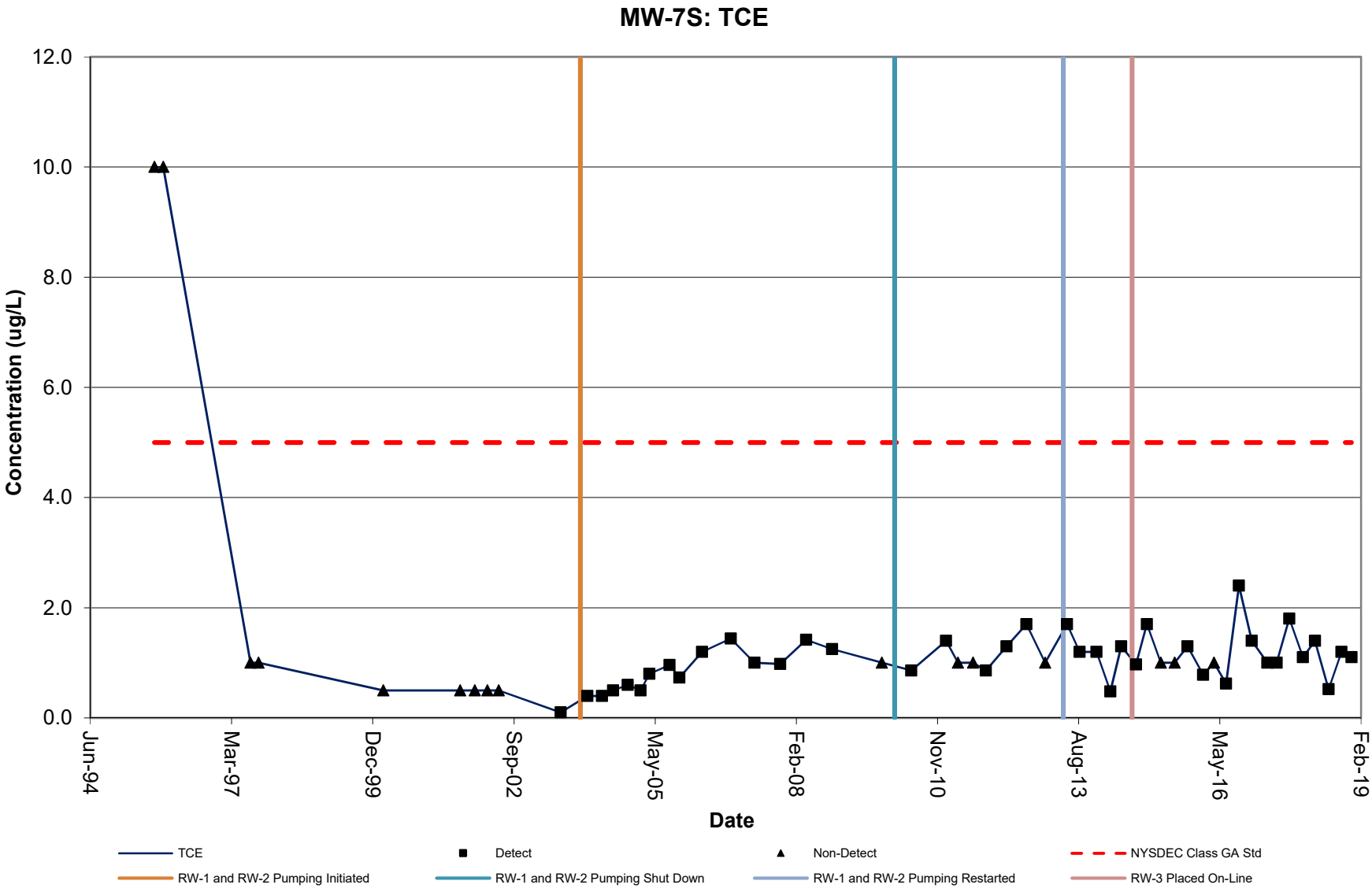

MW-6D: cis-1,2-DCE
Concentration (ug/L)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

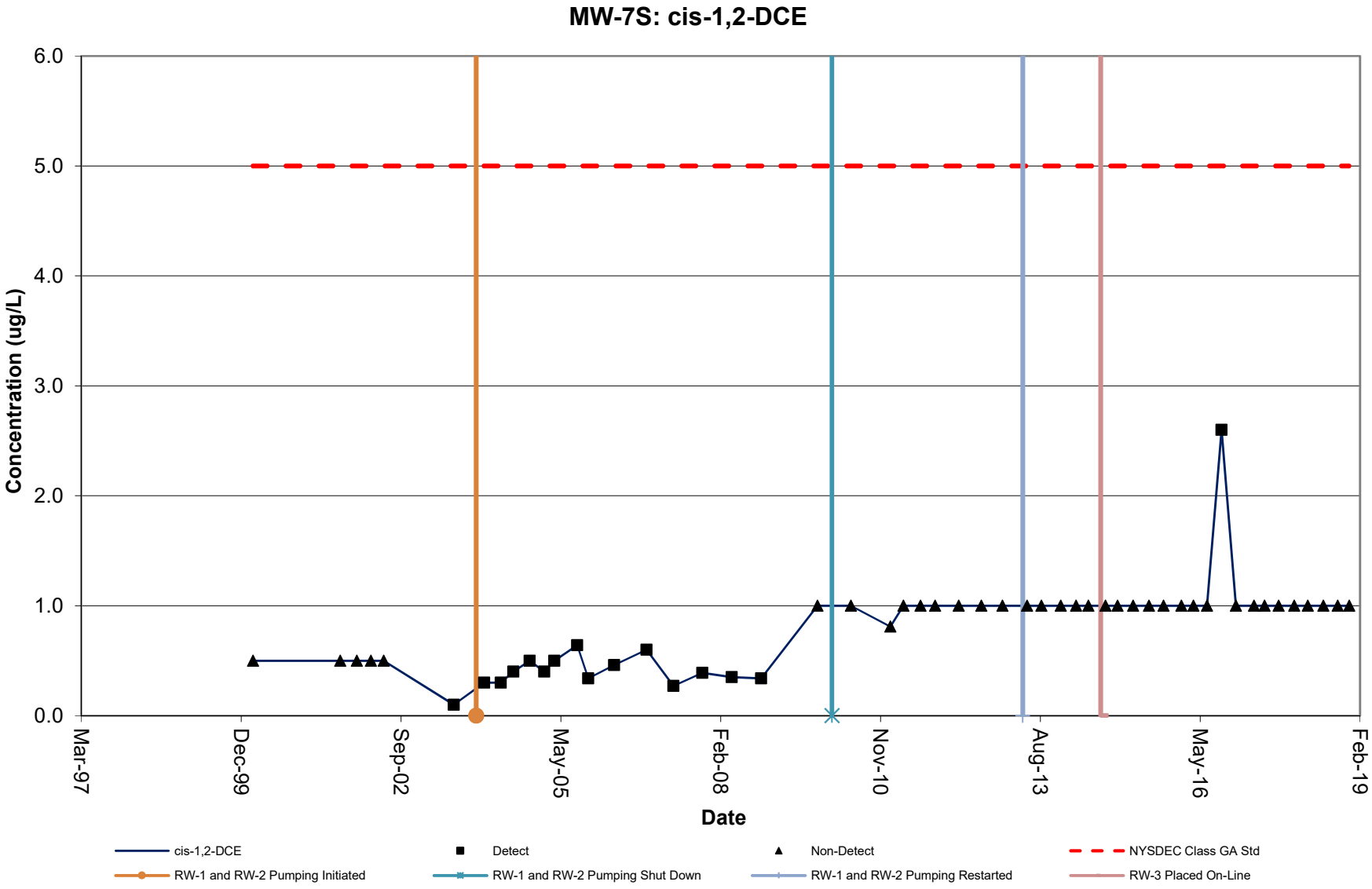

MW-6D: Vinyl Chloride
Concentration (ug/L)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

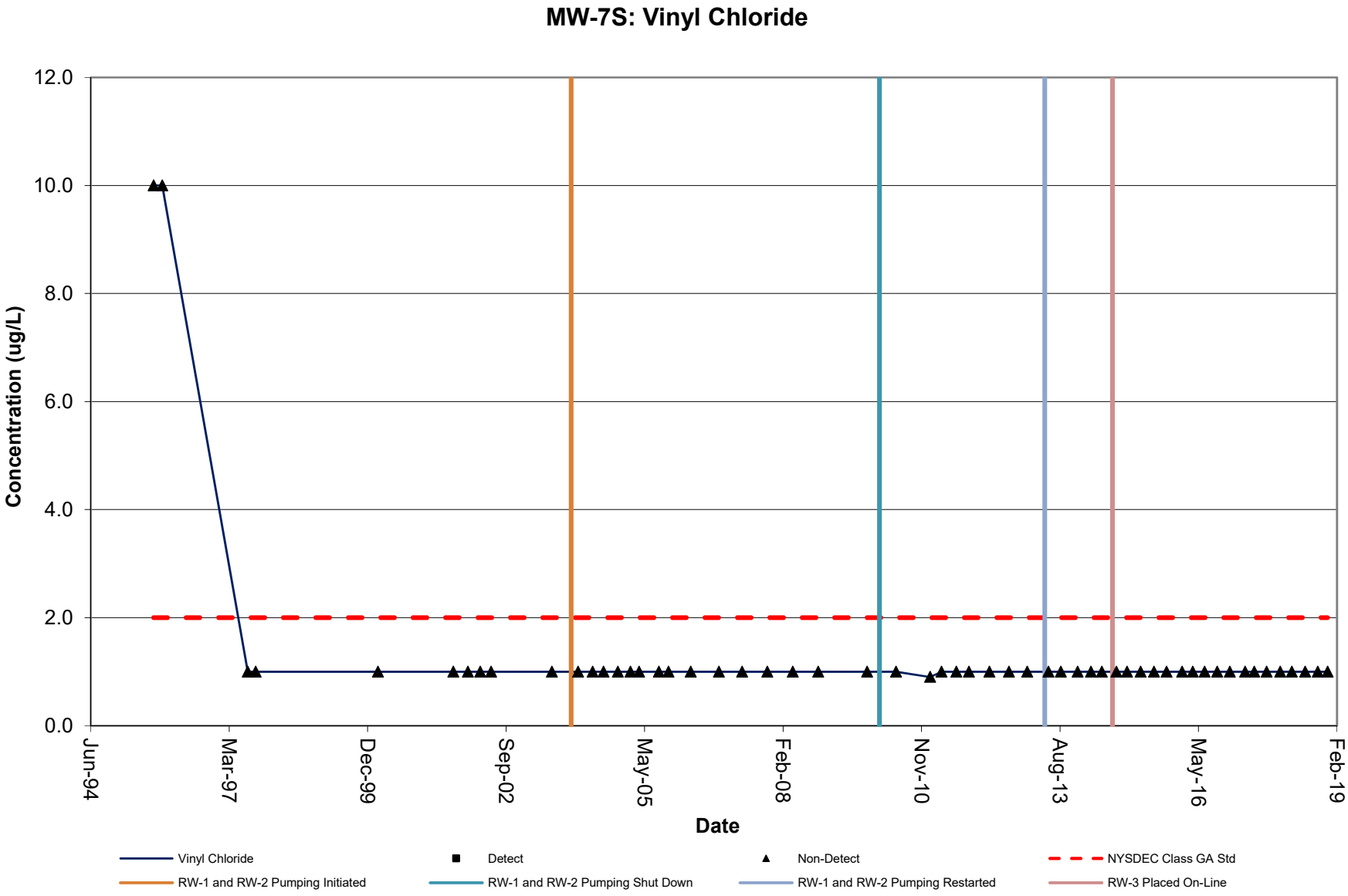

MW-6DD: TCE
Concentration (ug/L)
6
5
4
3
2
1
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

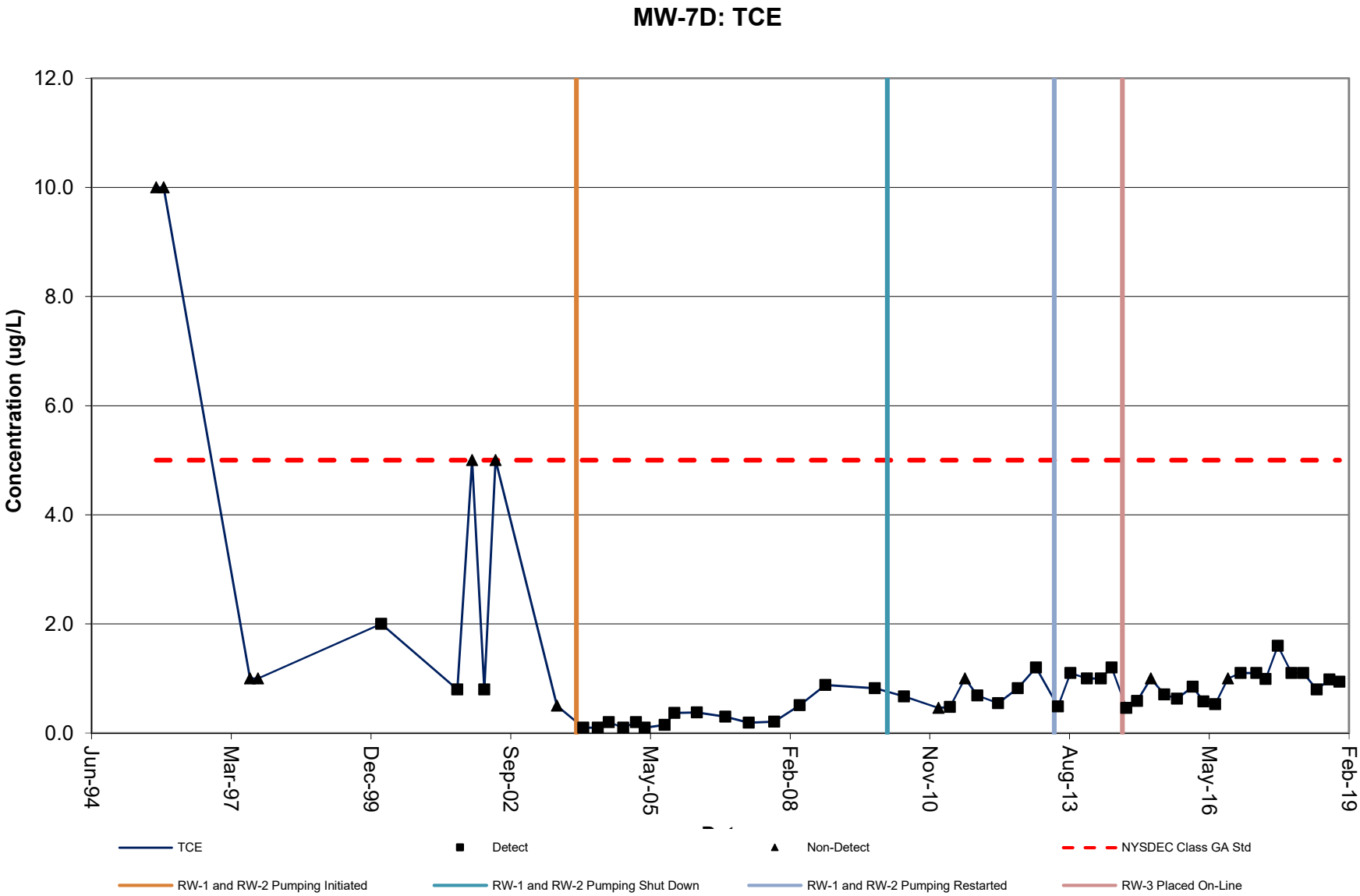

MW-6DD: cis-1,2-DCE
Concentration (ug/L)
60
50
40
30
20
10
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

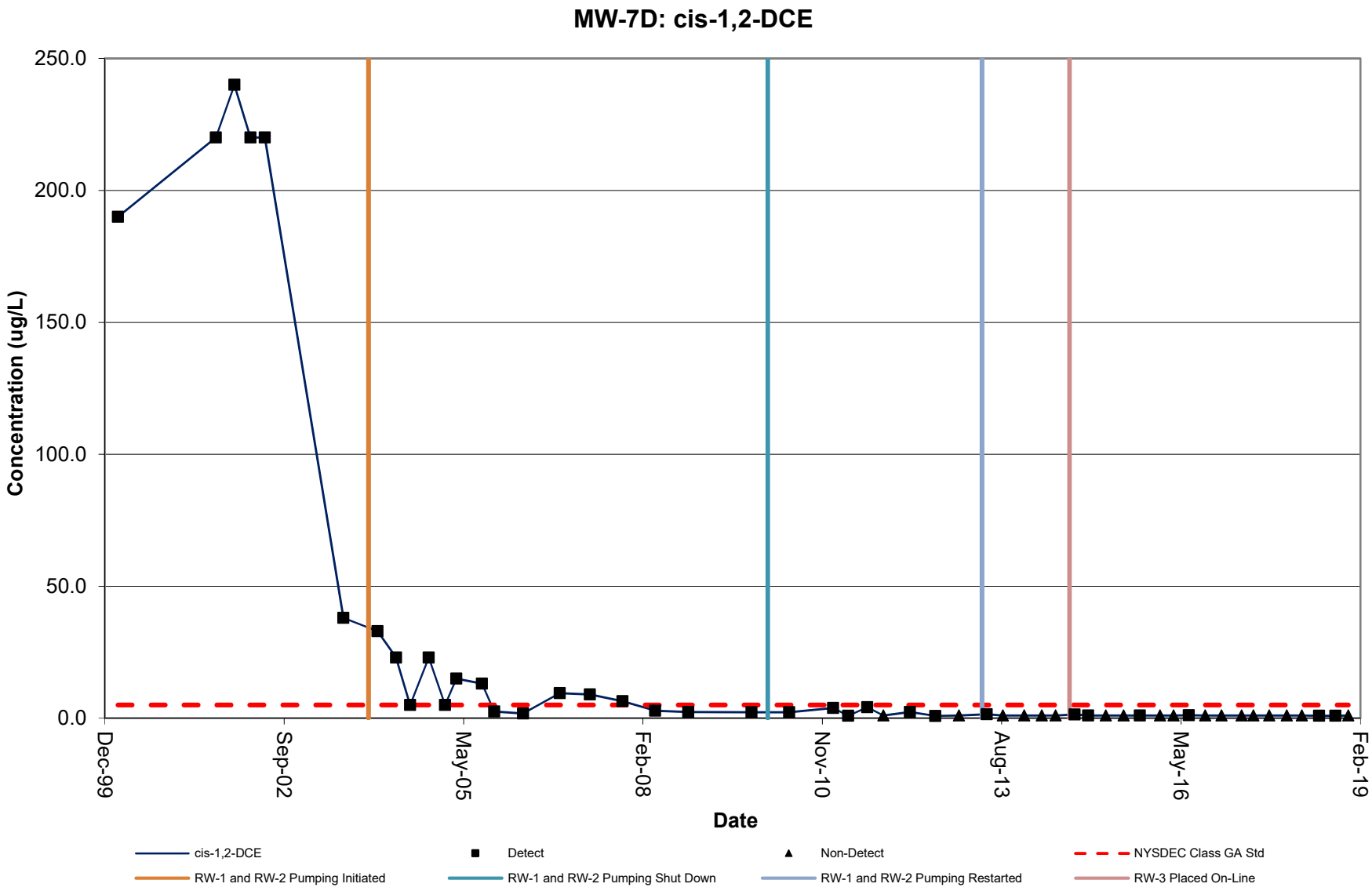

MW-6DD: Vinyl Chloride
Concentration (ug/L)
35
30
25
20
15
10
5
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

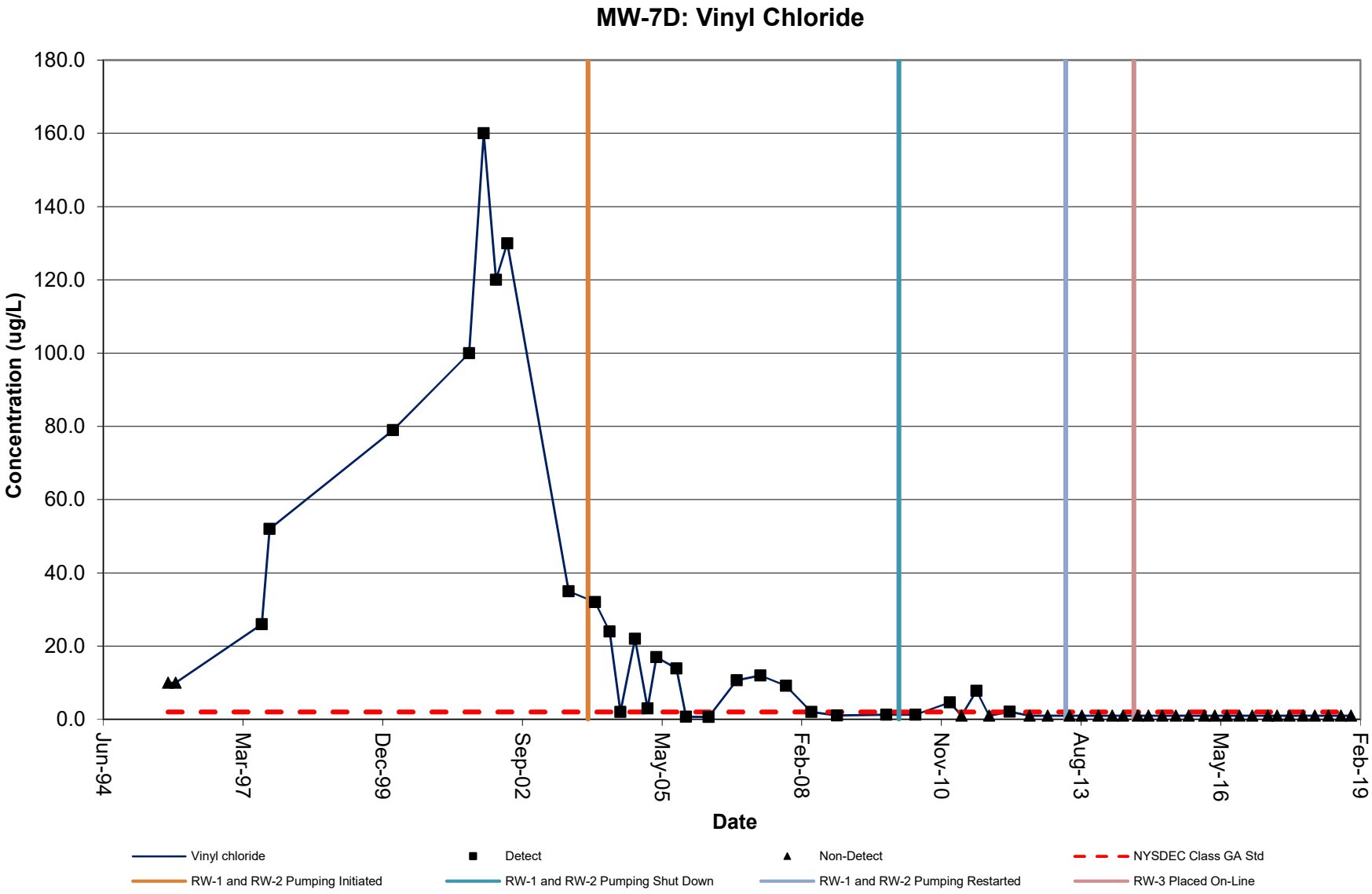

MW-7S: TCE
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

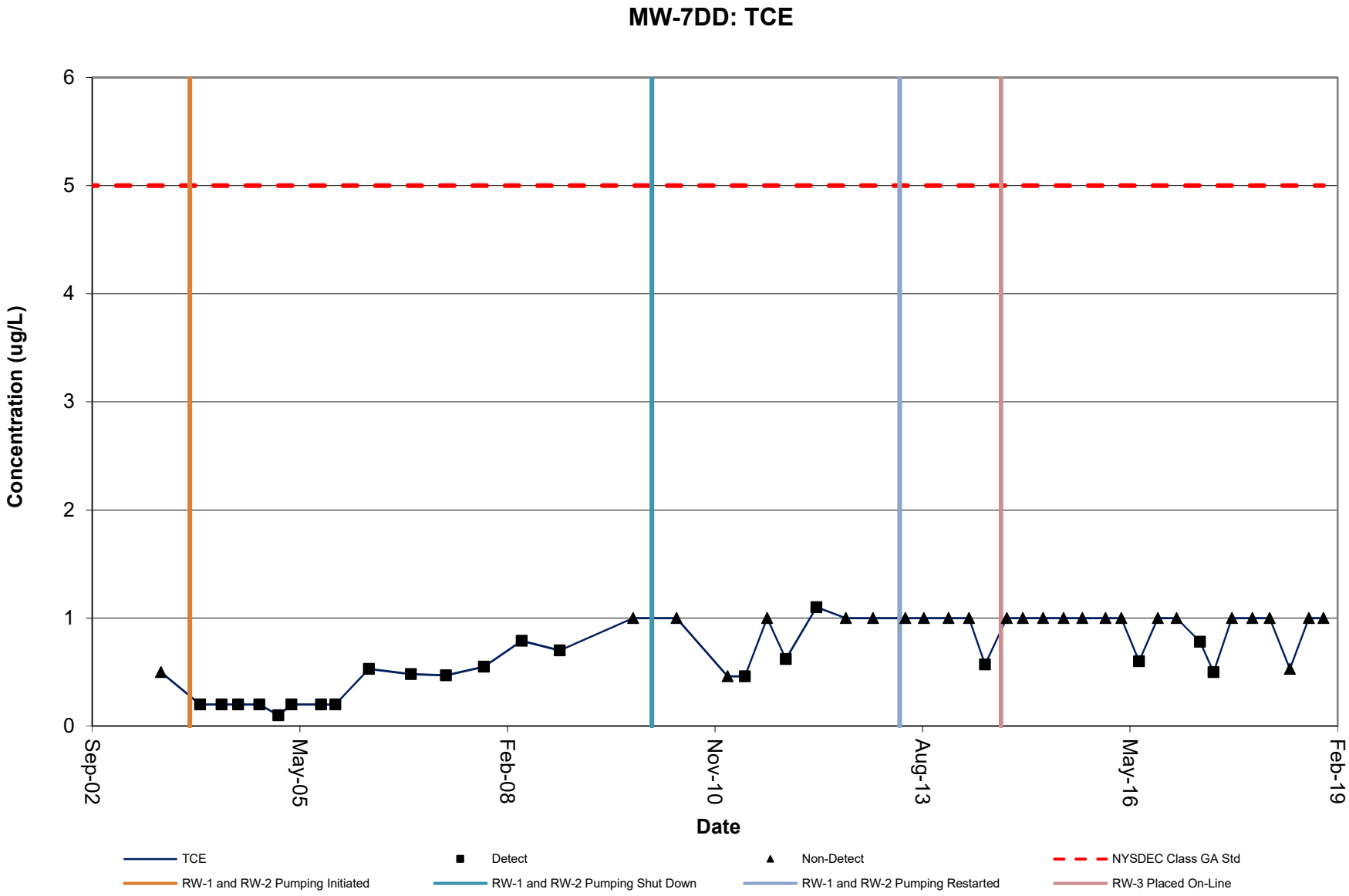

MW-7S: cis-1,2-DCE
Concentration (ug/L)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

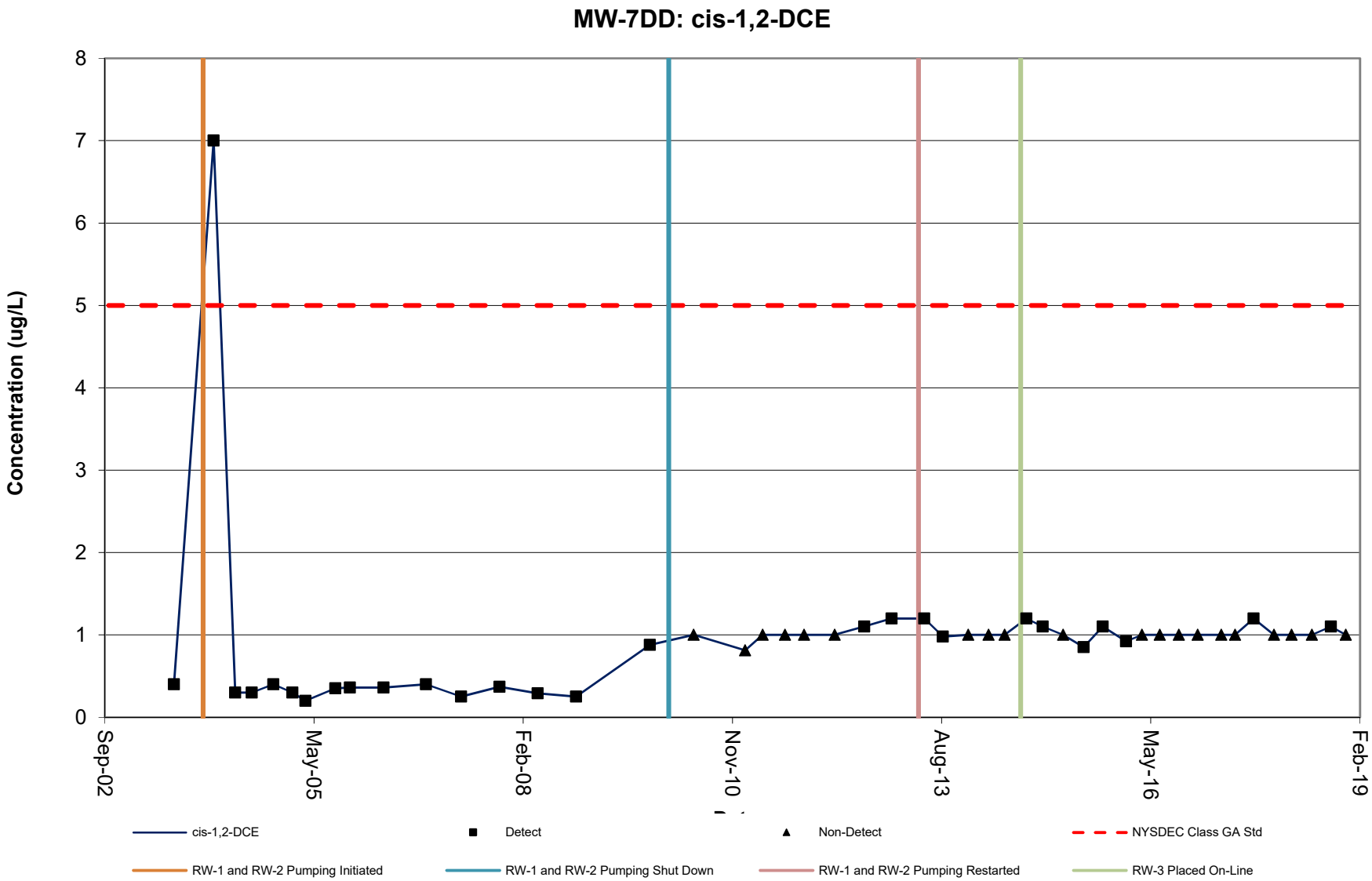

MW-7S: Vinyl Chloride
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

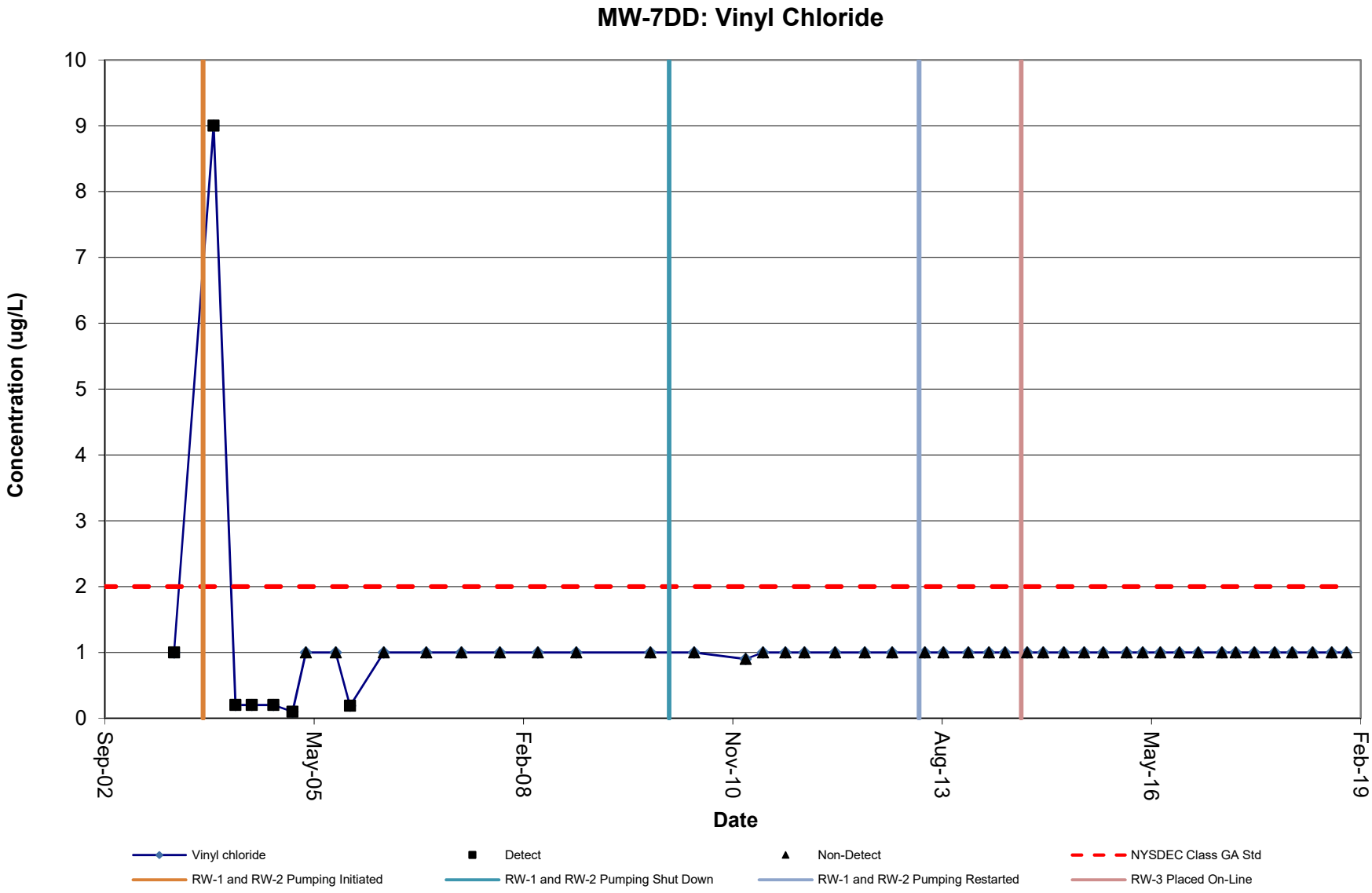

MW-7D: TCE
Concentration (ug/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

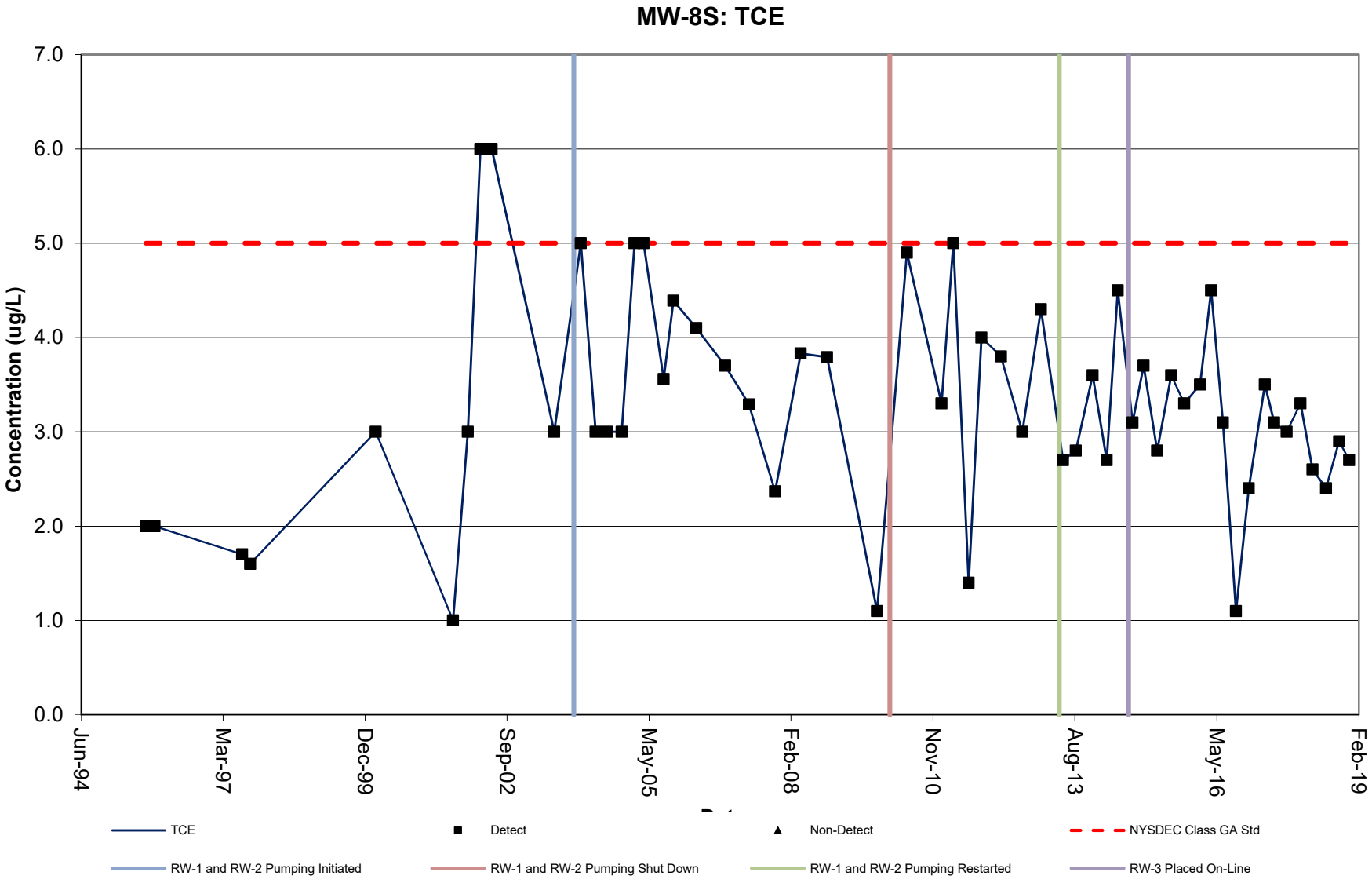

MW-7D: cis-1,2-DCE
250.0
200.0
150.0
100.0
50.0
0.0
Concentration (ug/L)
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

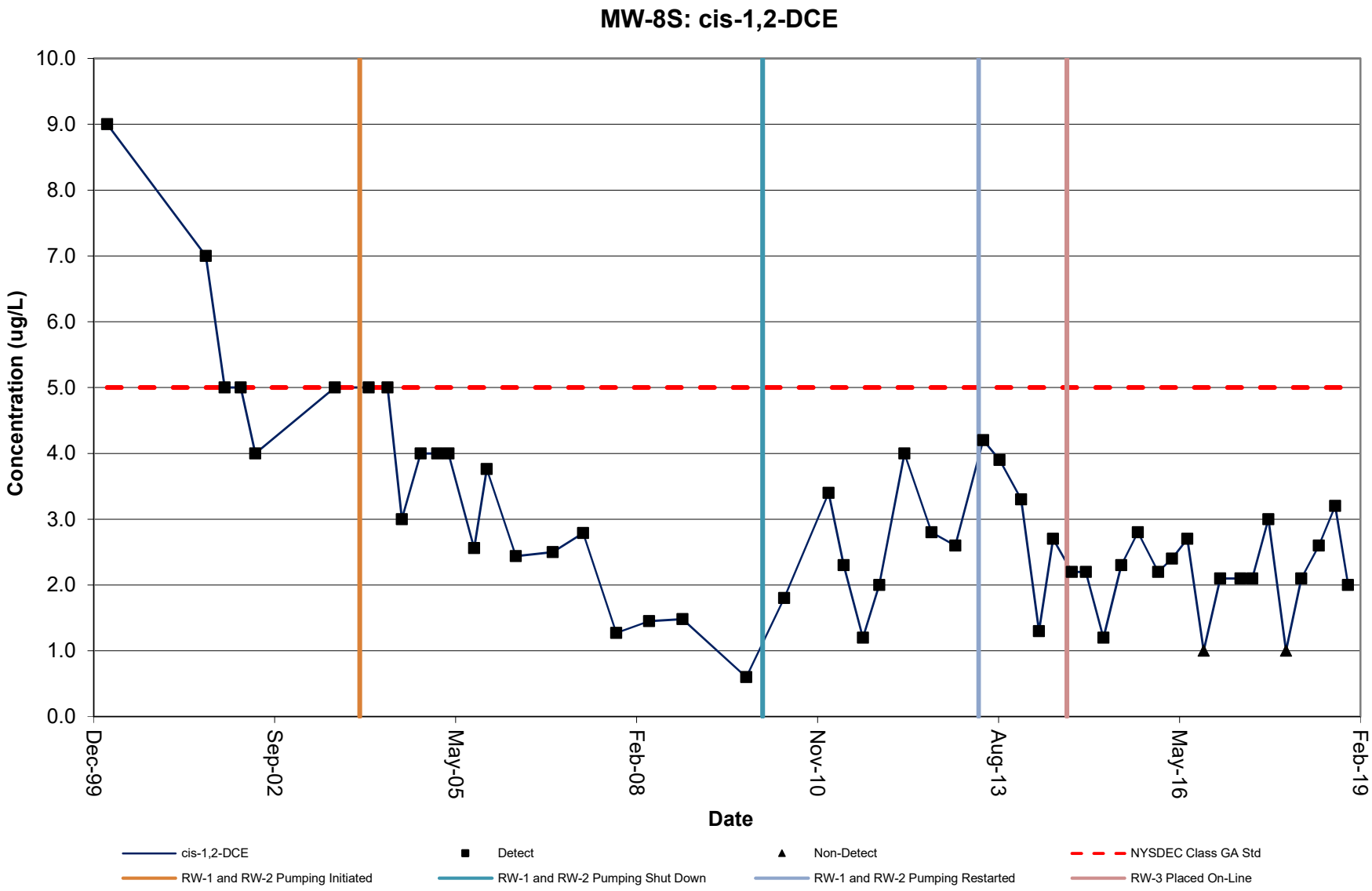

MW-7D: Vinyl Chloride
Concentration (ug/L)
180.0
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

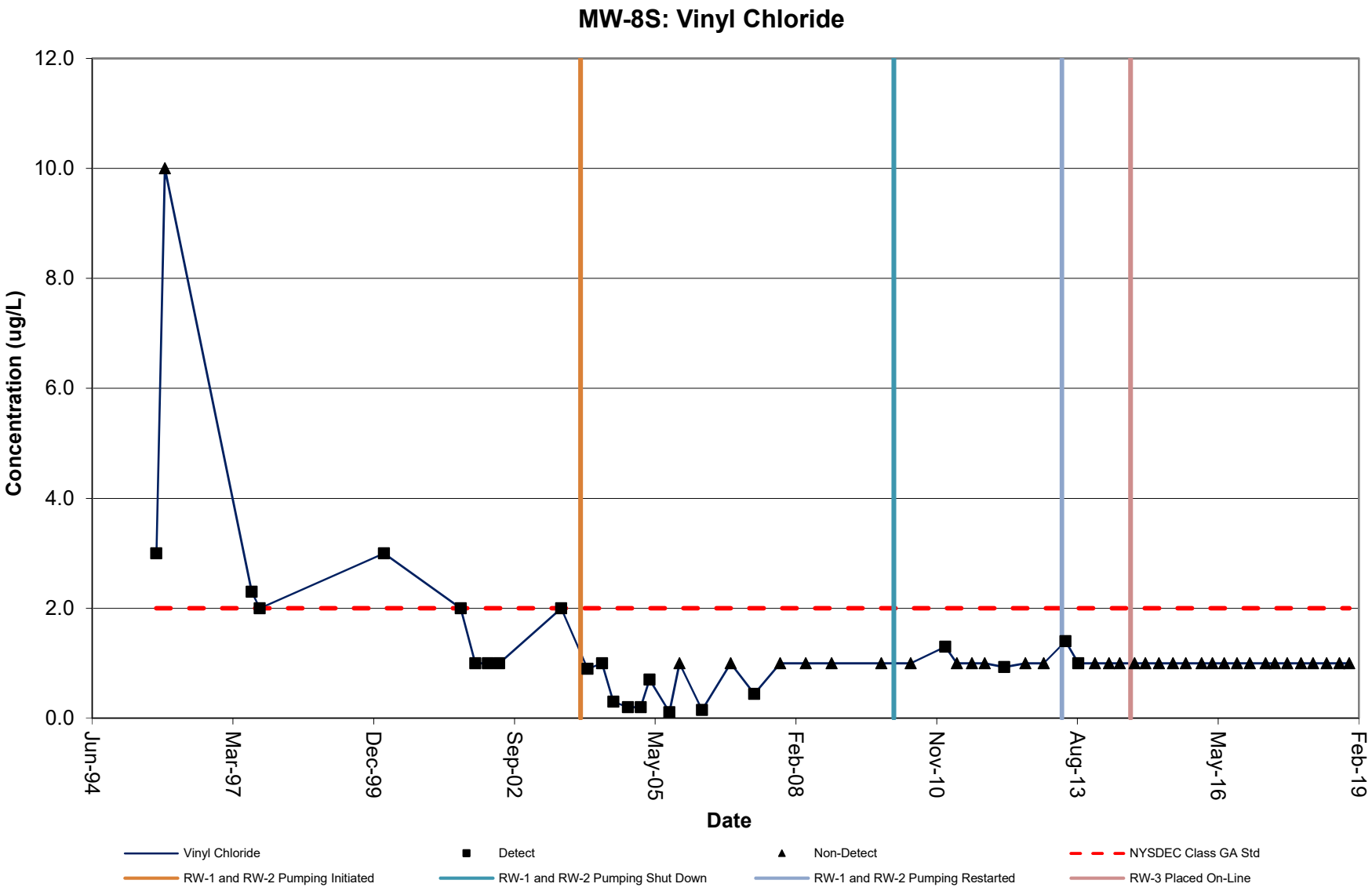

MW-7DD: TCE
Concentration (ug/L)
6
5
4
3
2
1
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

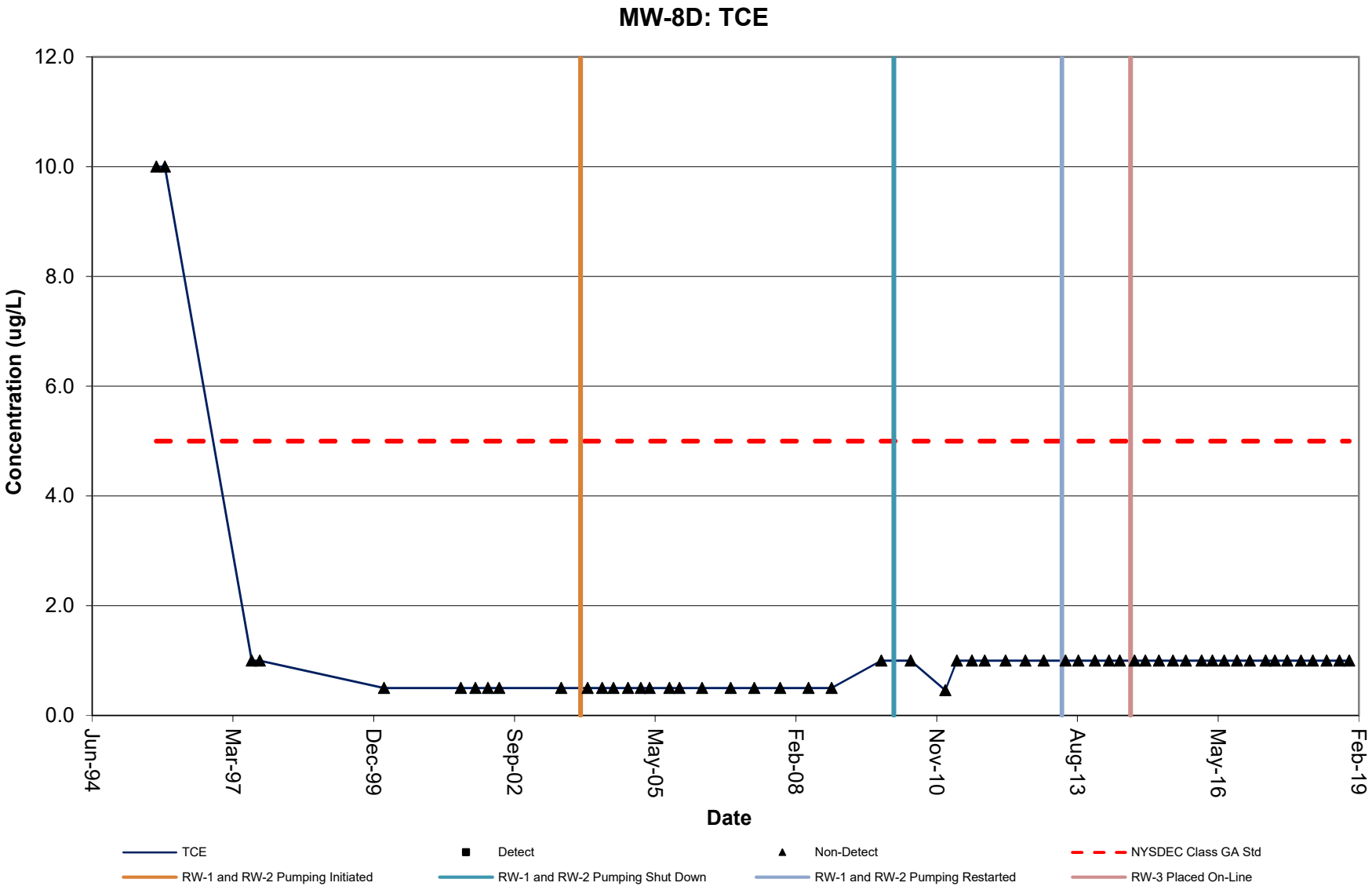

MW-7DD: cis-1,2-DCE
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

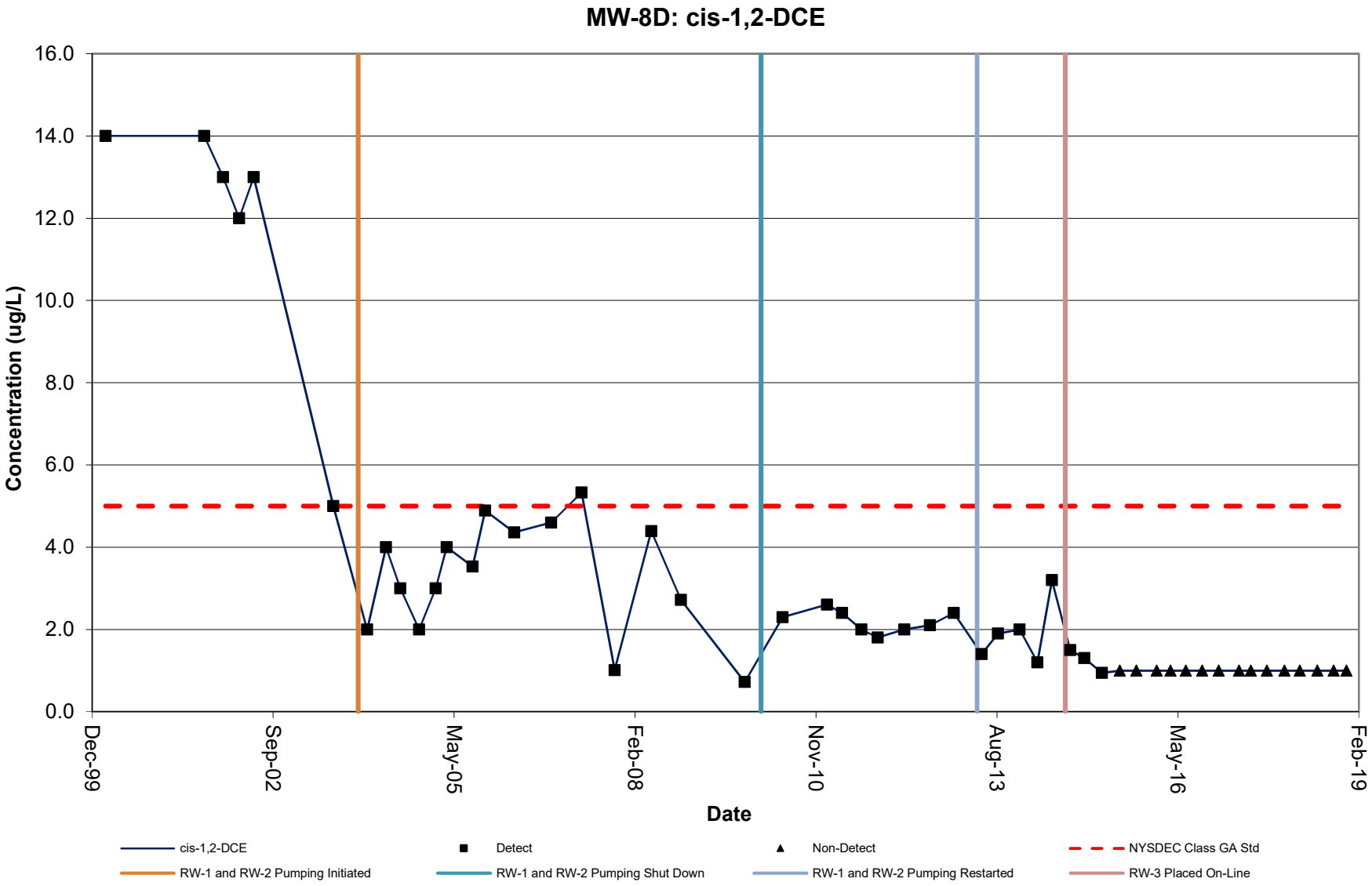

MW-7DD: Vinyl Chloride
Concentration (ug/L)
10
9
8
7
6
5
4
3
2
1
0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

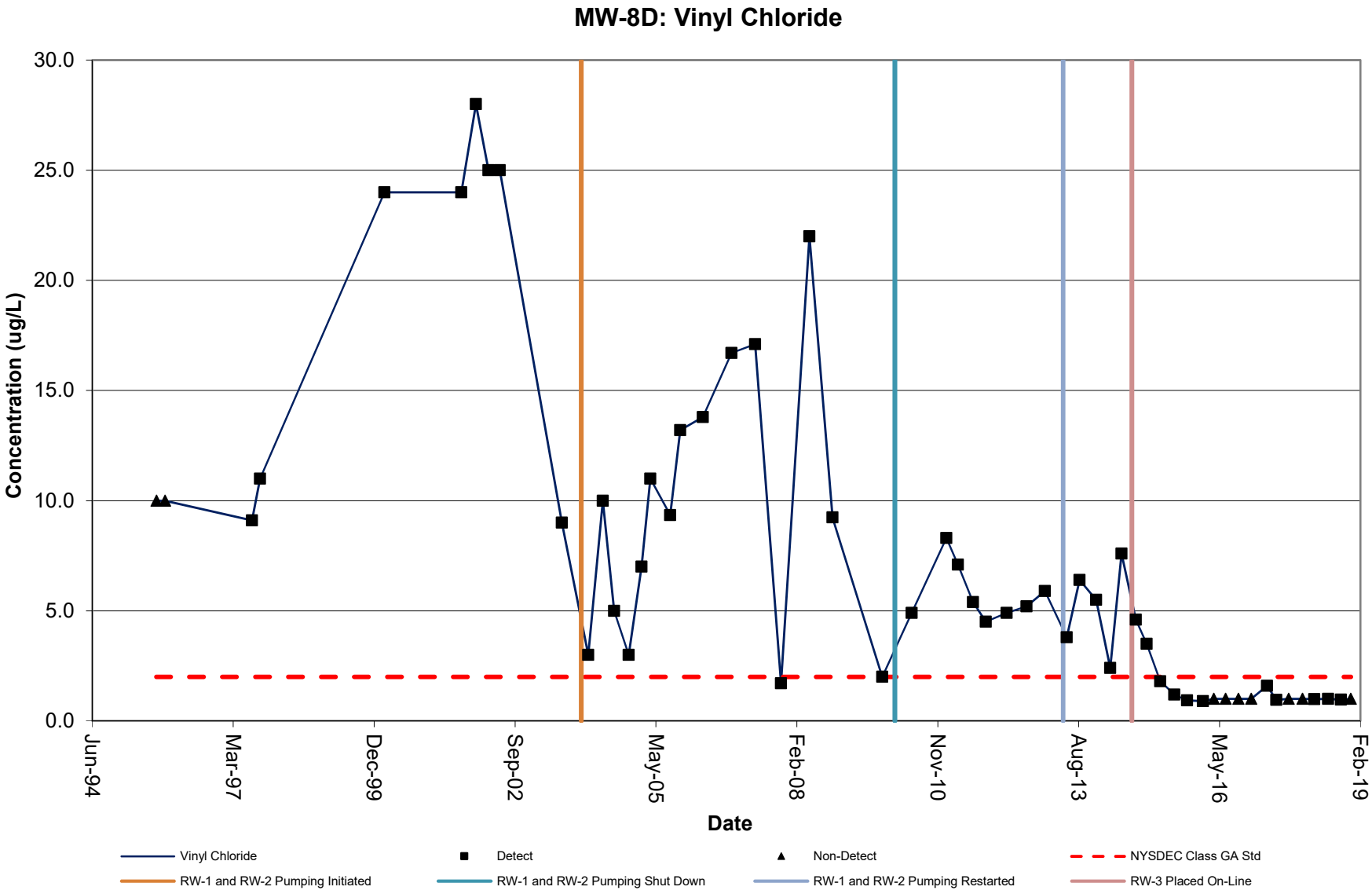

MW-8S: TCE
Concentration (ug/L)
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

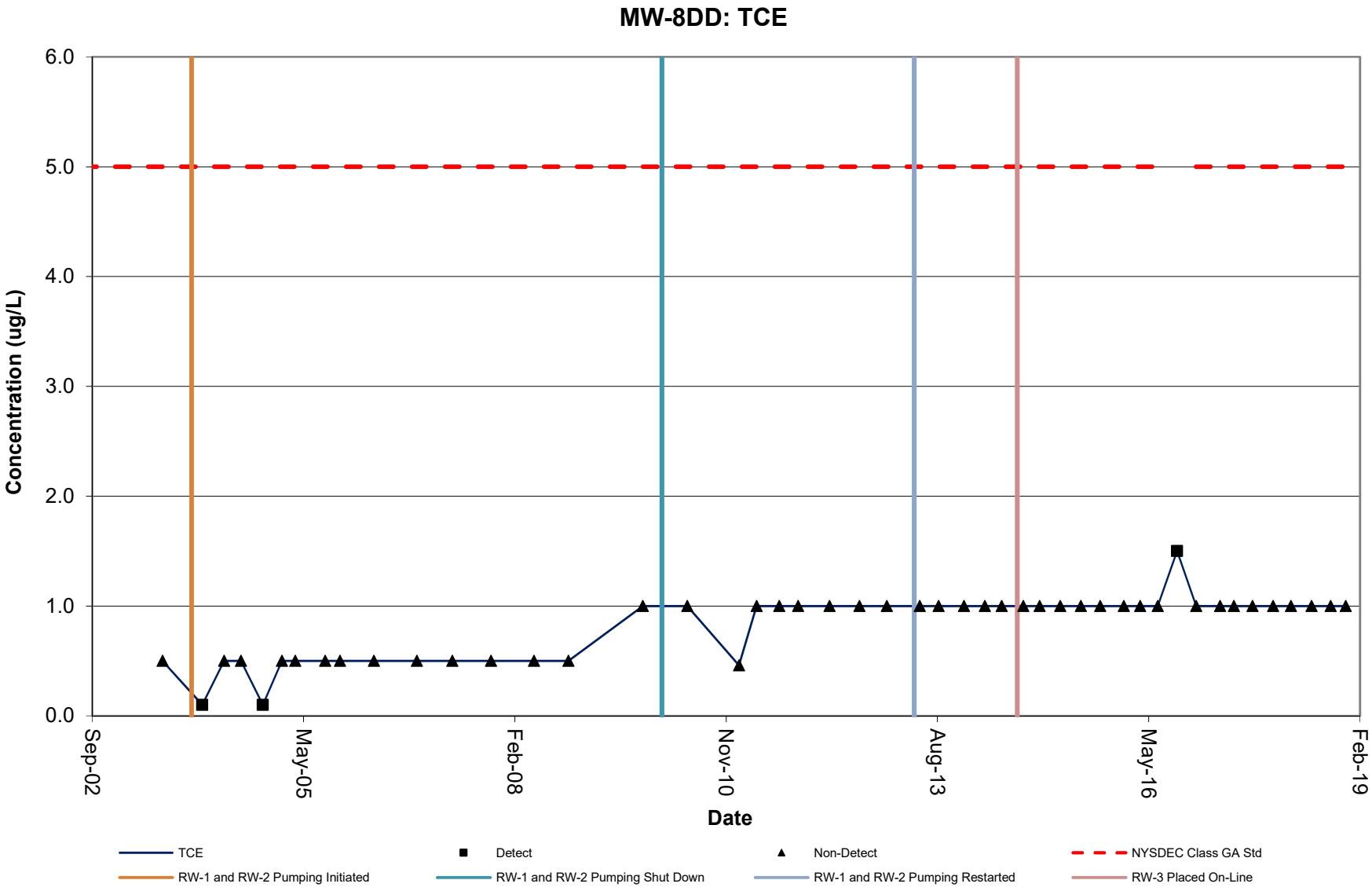

MW-8S: cis-1,2-DCE
Concentration (ug/L)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

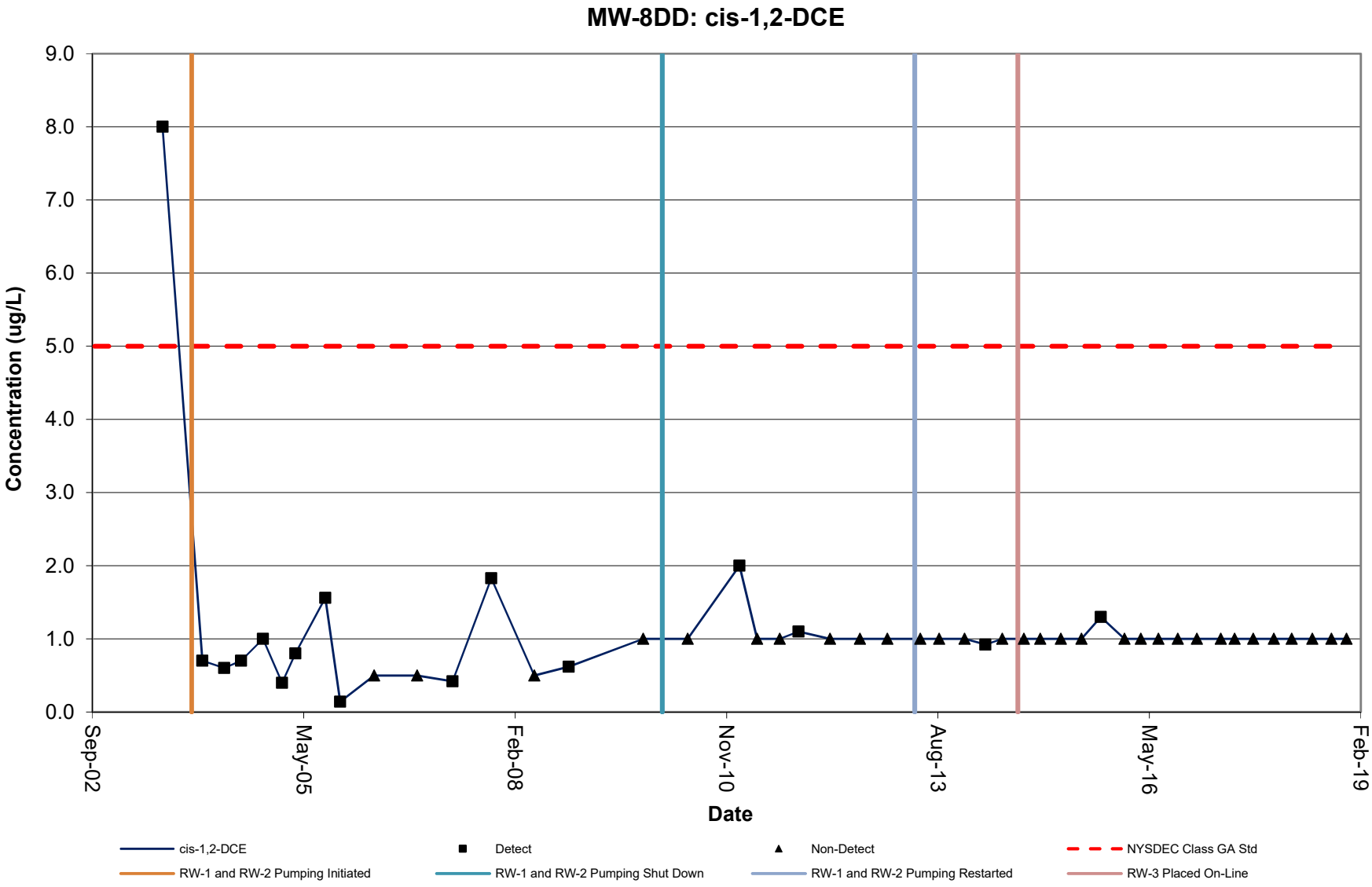

MW-8S: Vinyl Chloride
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

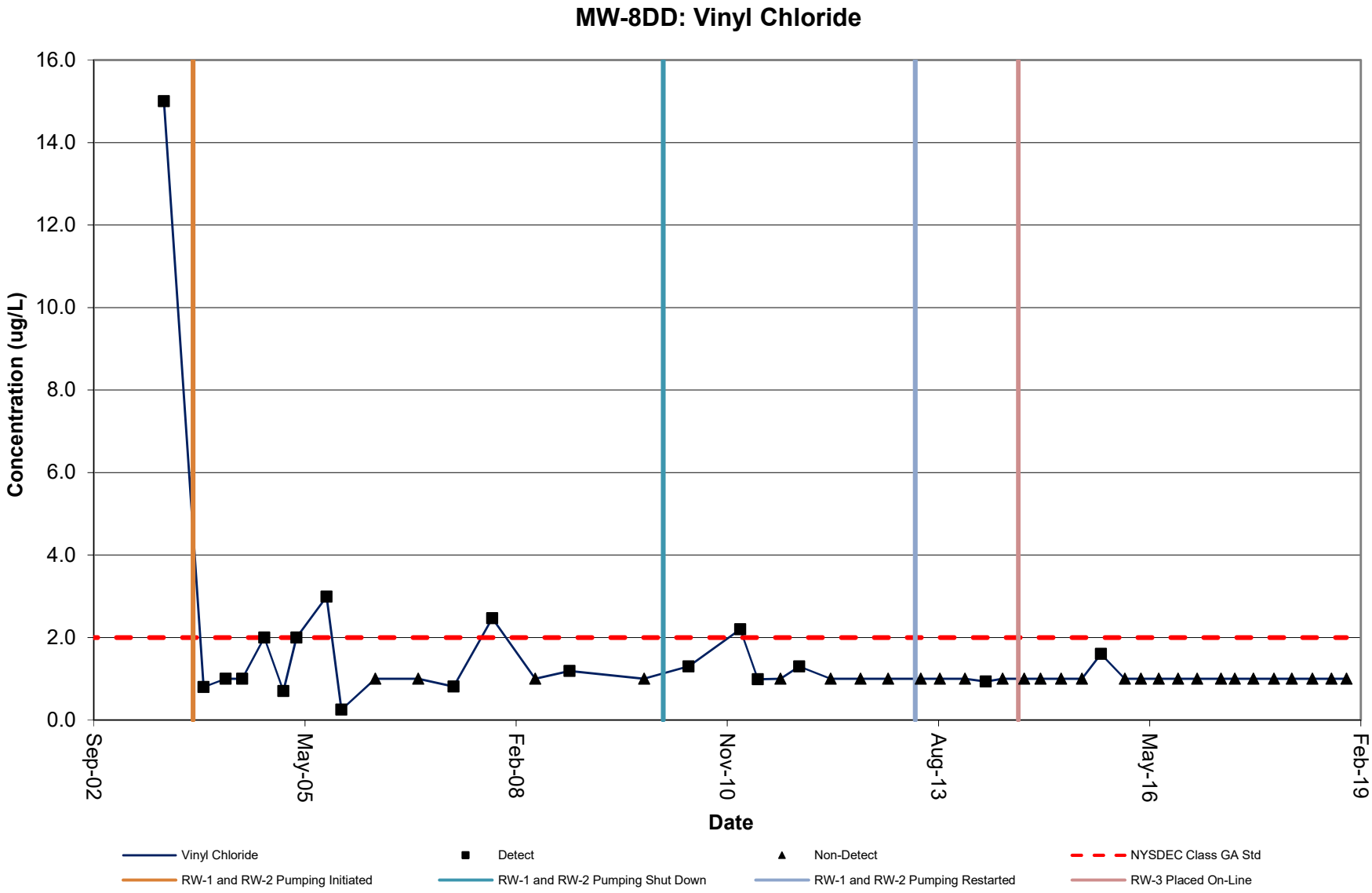

MW-8D: TCE
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

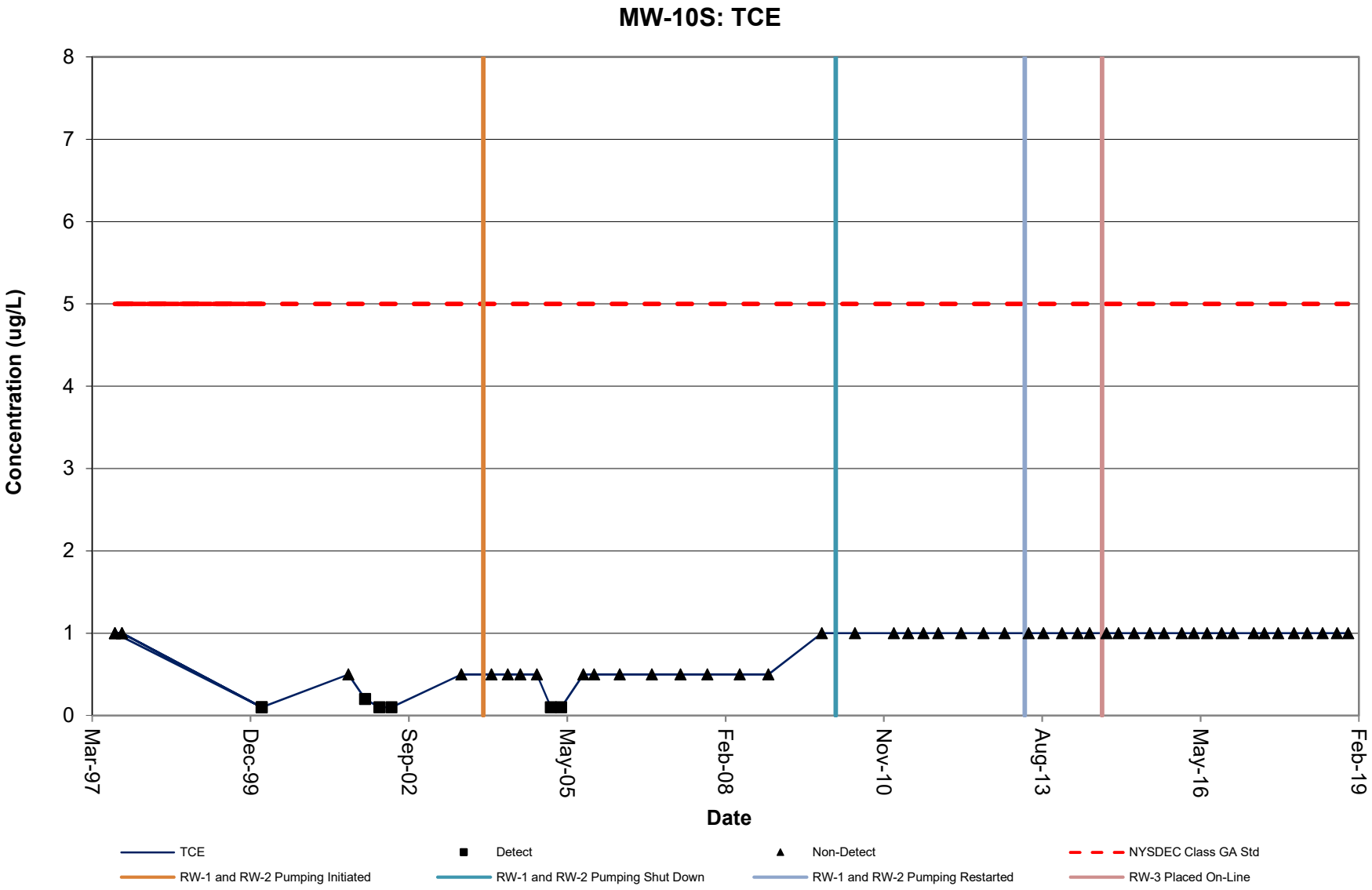

MW-8D: cis-1,2-DCE
Concentration (ug/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

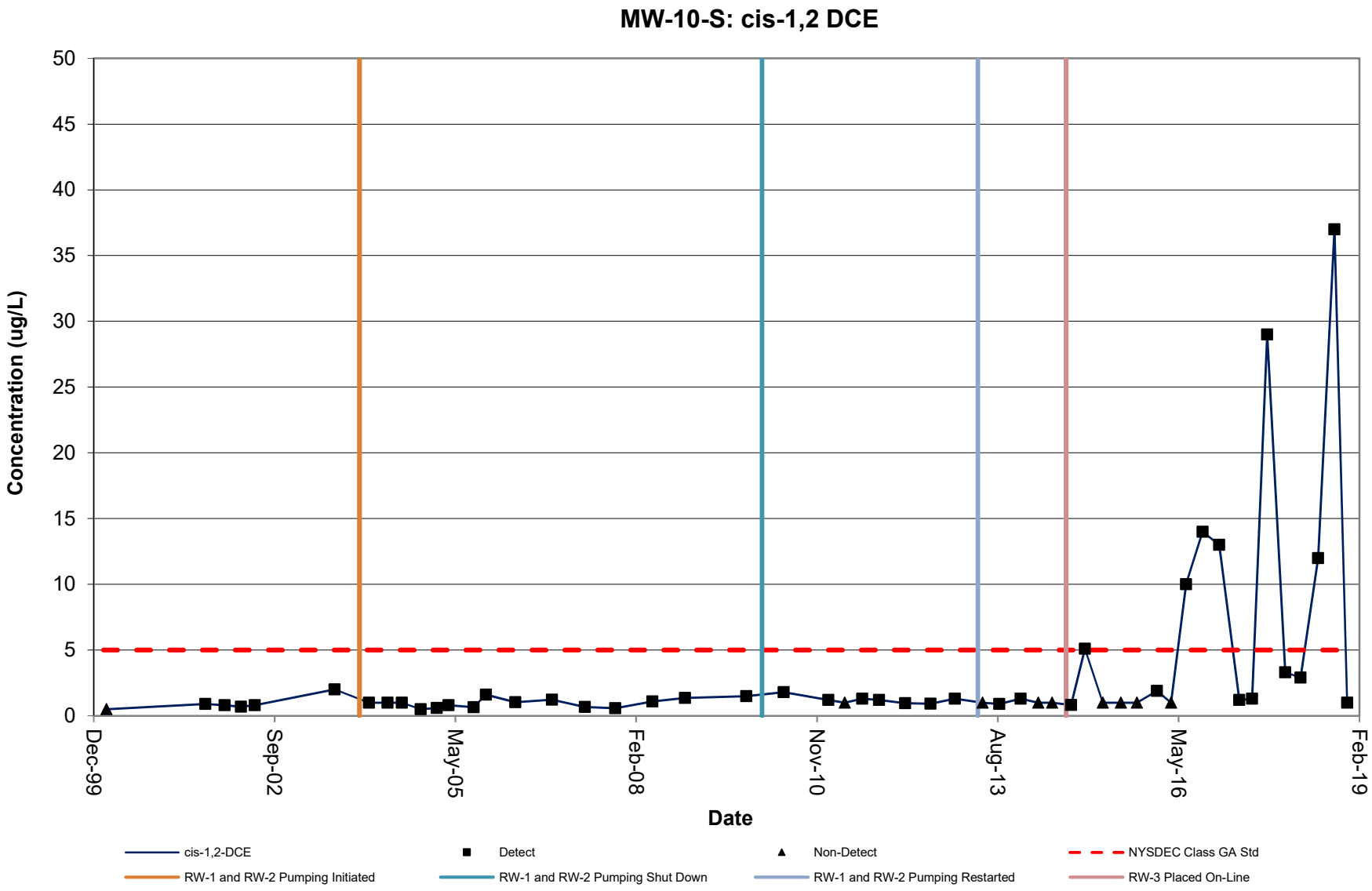

MW-8D: Vinyl Chloride
Concentration (ug/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

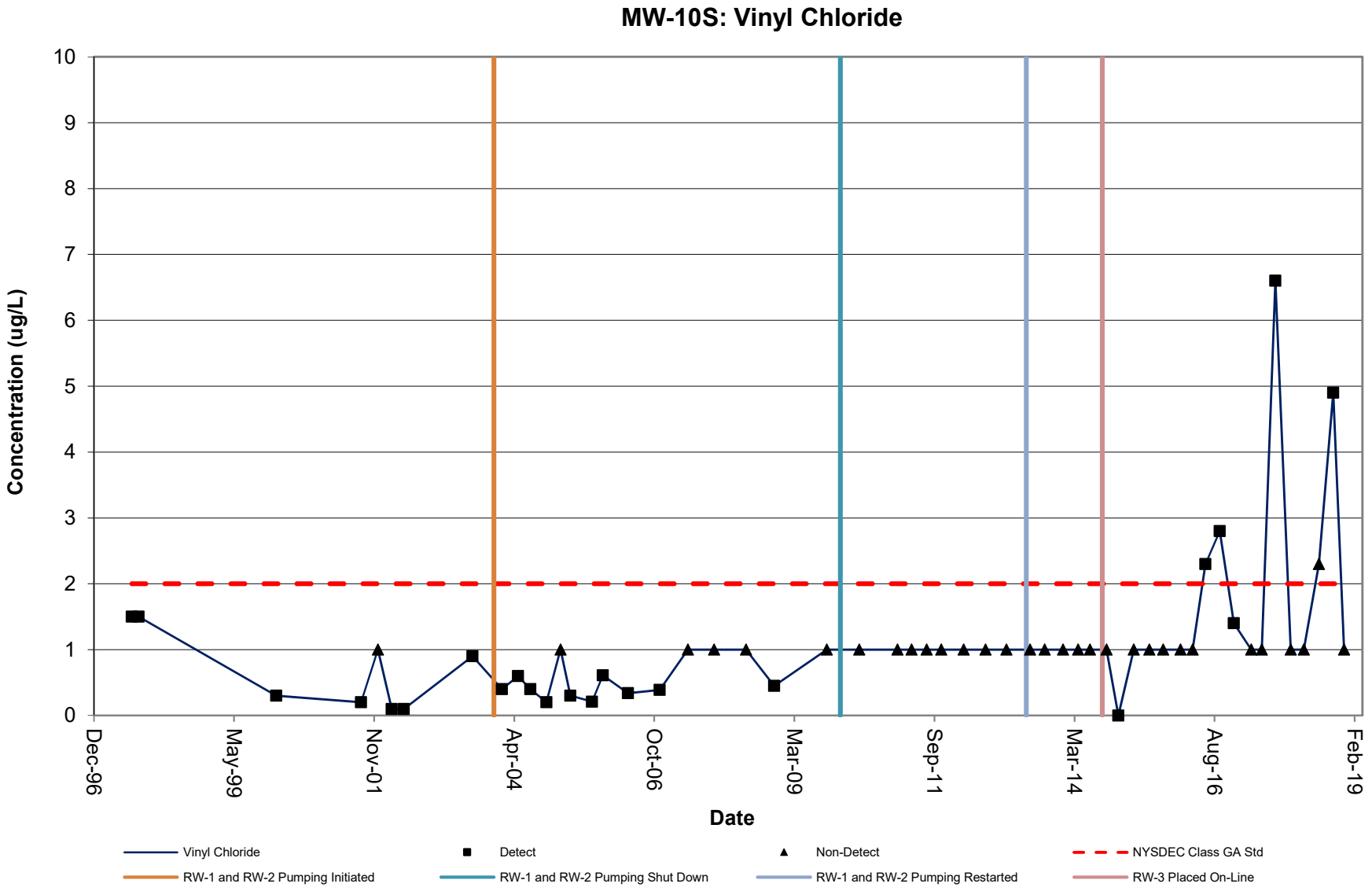

MW-8DD: TCE
Concentration (ug/L)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

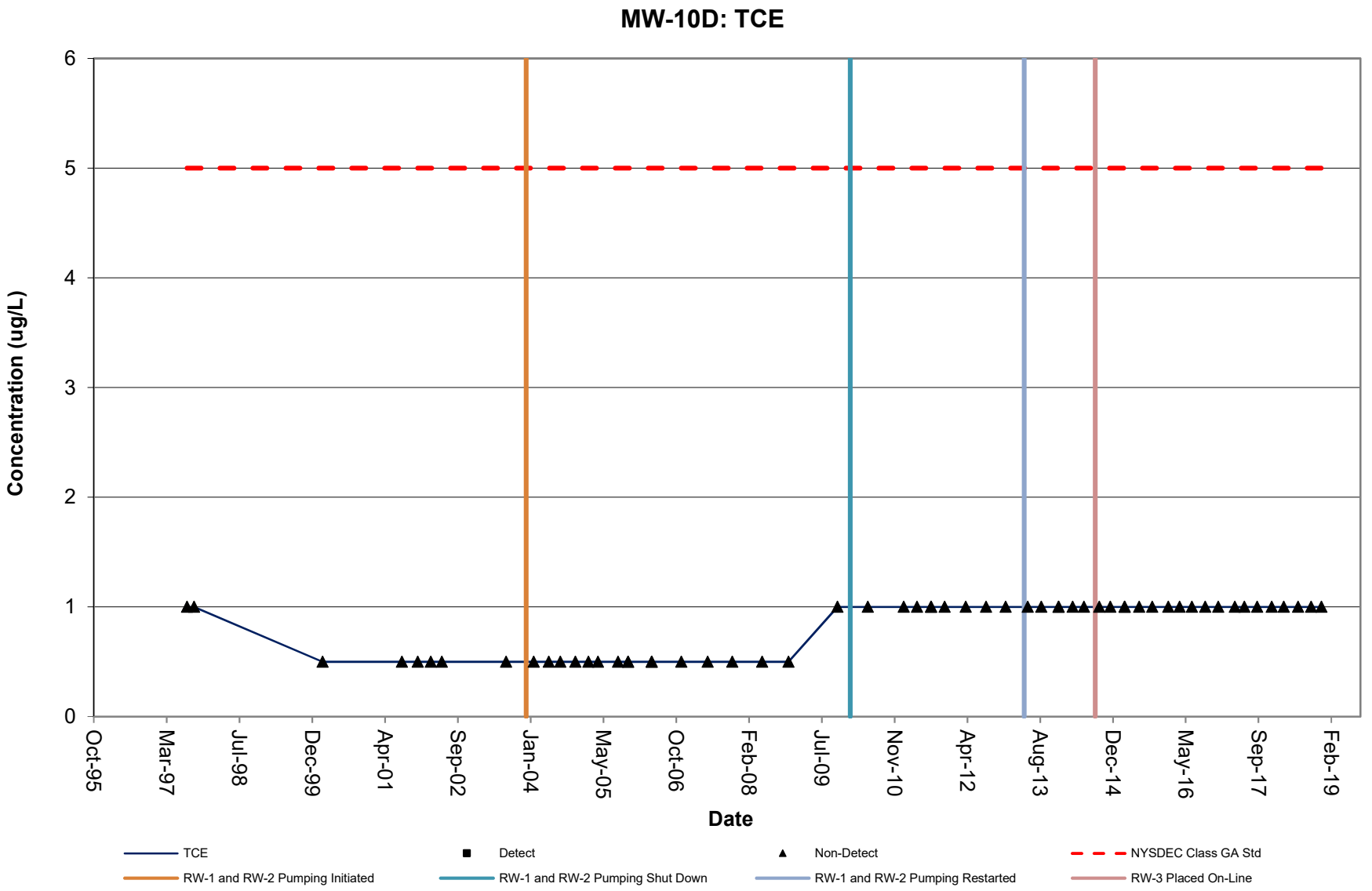

MW-8DD: cis-1,2-DCE
Concentration (ug/L)
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

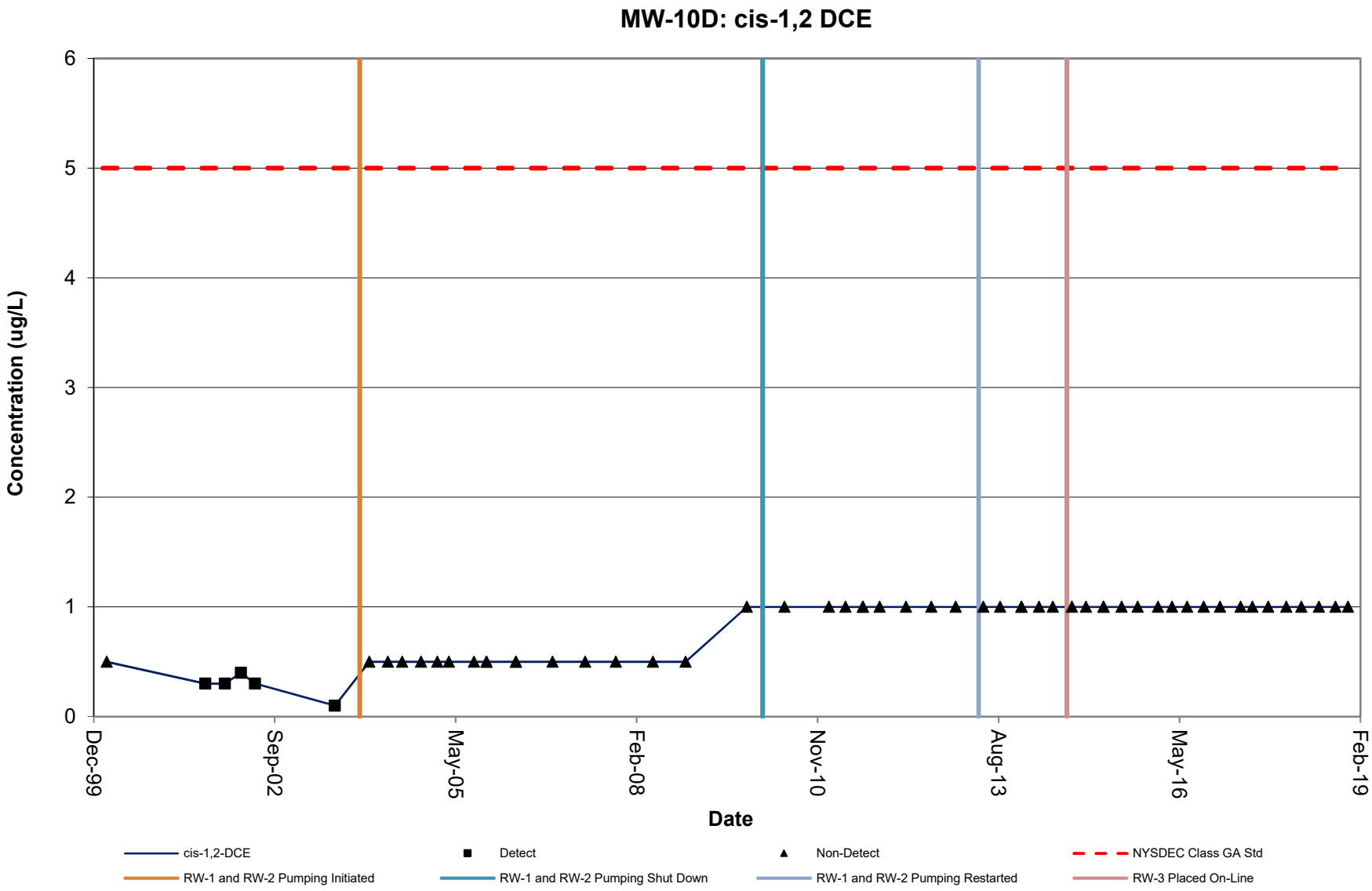

MW-8DD: Vinyl Chloride
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration (ug/L)
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

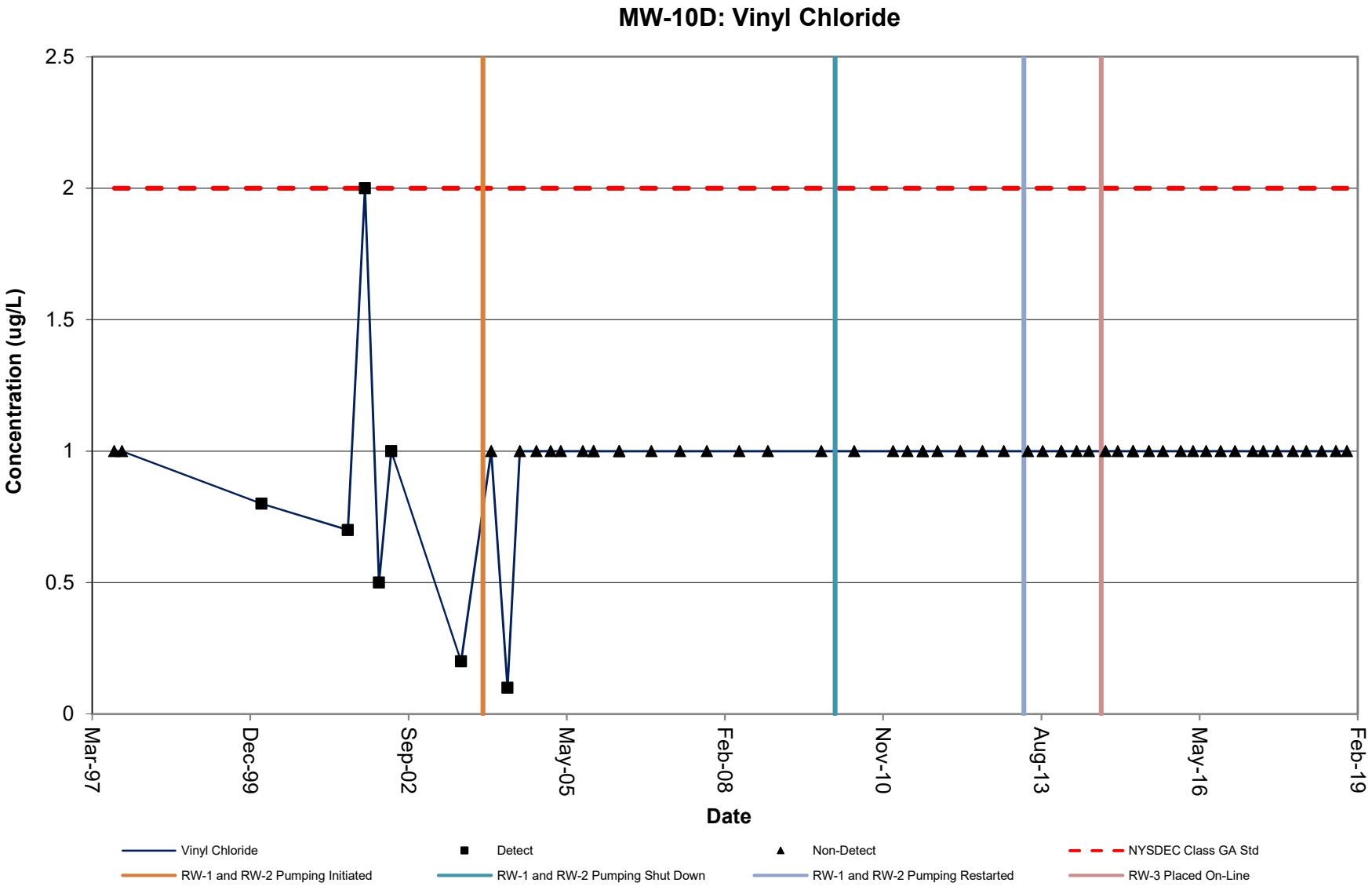

MW-10S: TCE
Concentration (ug/L)
8
7
6
5
4
3
2
1
0
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line


MW-10-S: cis-1,2 DCE
Concentration (ug/L)
50
45
40
35
30
25
20
15
10
5
0
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line


MW-10S: Vinyl Chloride
Concentration (ug/L)
10
9
8
7
6
5
4
3
2
1
0
Dec-96
May-99
Nov-01
Apr-04
Oct-06
Mar-09
Sep-11
Mar-14
Aug-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

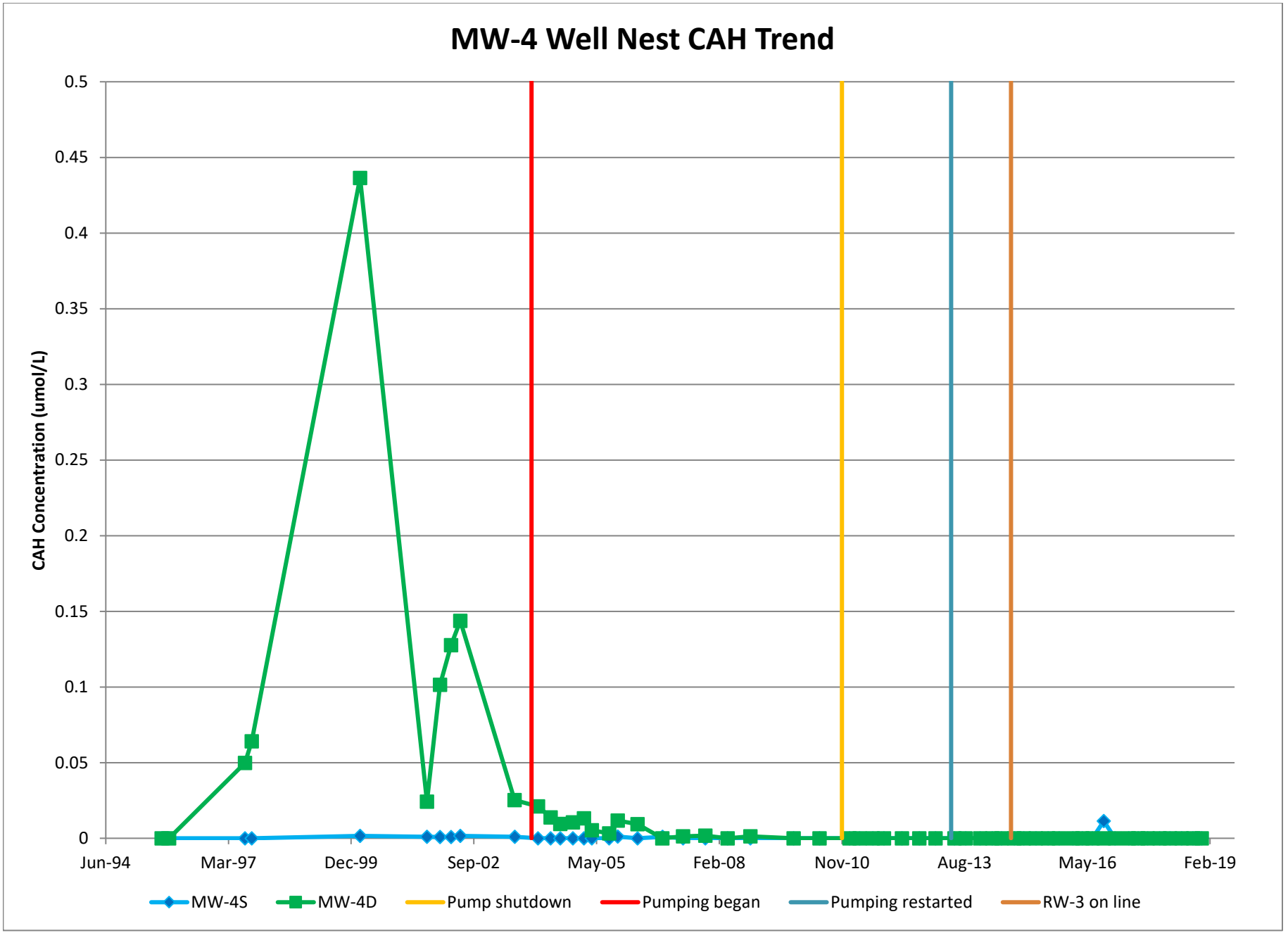

MW-10D: TCE
Concentration (ug/L)
0
1
2
3
4
5
6
Oct-95
Mar-97
Jul-98
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
Nov-10
Apr-12
Aug-13
Dec-14
May-16
Sep-17
Feb-19
Date
TCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

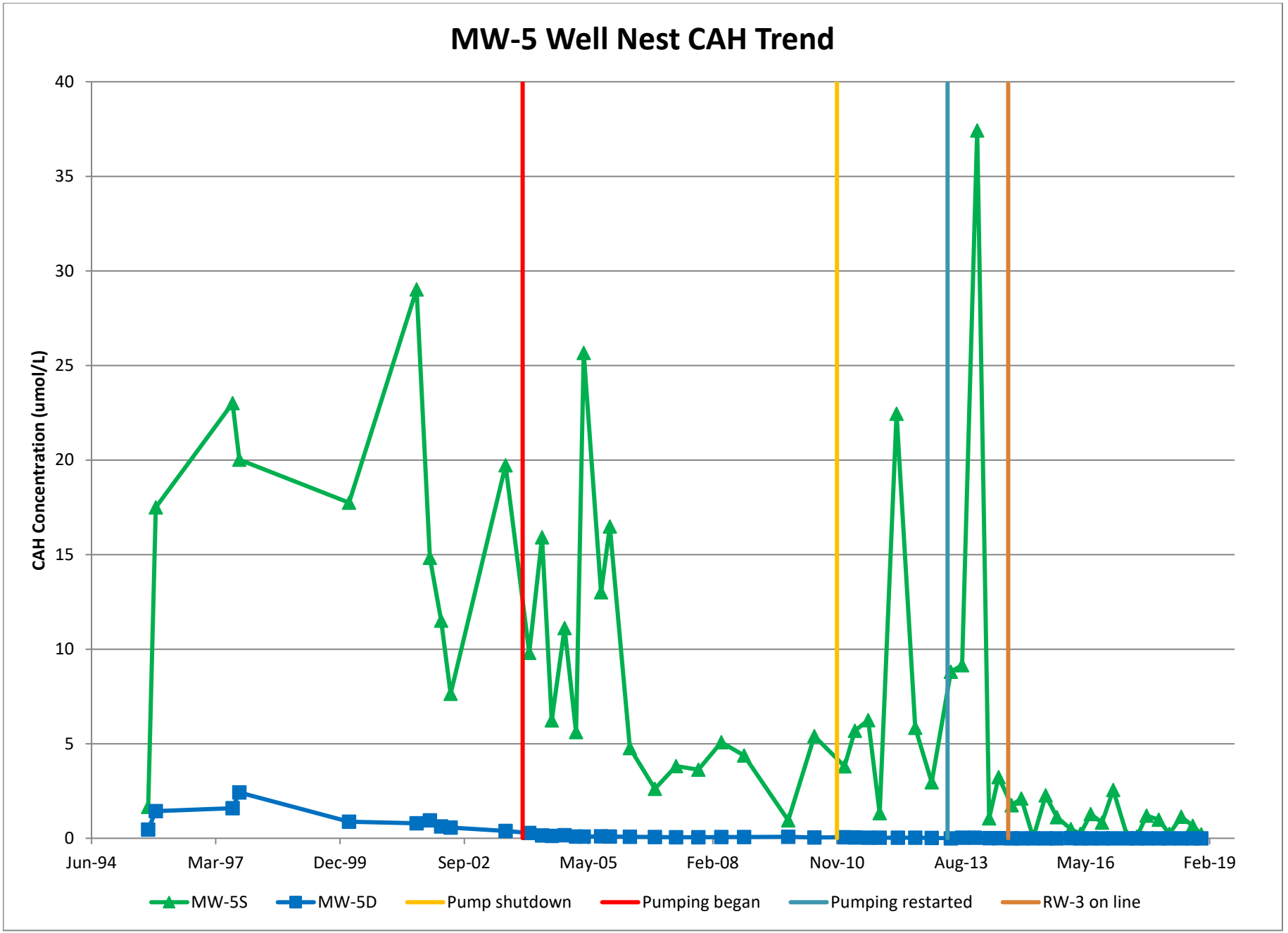

MW-10D: cis-1,2 DCE
Concentration (ug/L)
0
1
2
3
4
5
6
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
cis-1,2-DCE
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

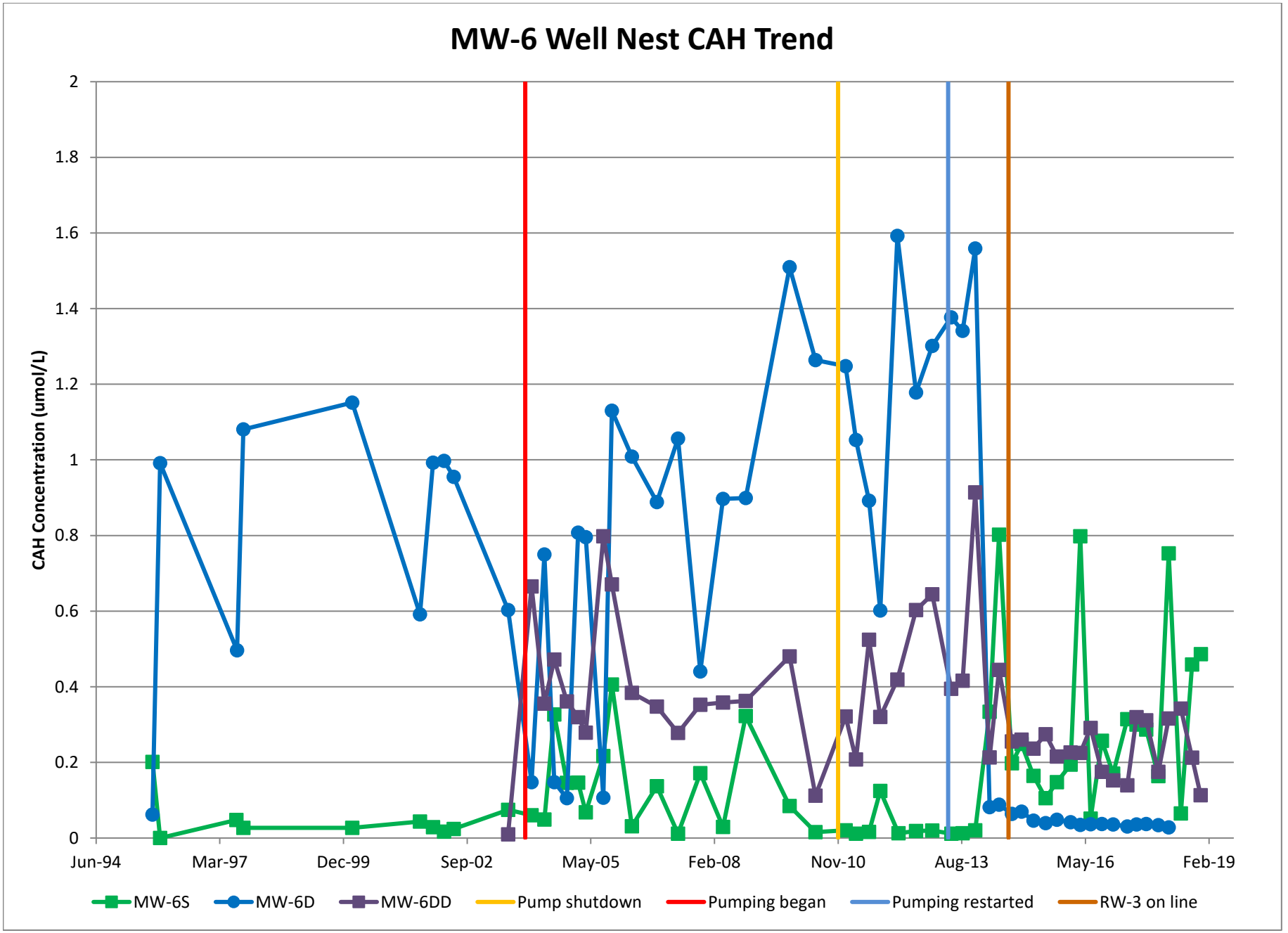

MW-10D: Vinyl Chloride
Concentration (ug/L)
2.5
2
1.5
1
0.5
0
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
Date
Vinyl Chloride
Detect
Non-Detect
NYSDEC Class GA Std
RW-1 and RW-2 Pumping Initiated
RW-1 and RW-2 Pumping Shut Down
RW-1 and RW-2 Pumping Restarted
RW-3 Placed On-Line

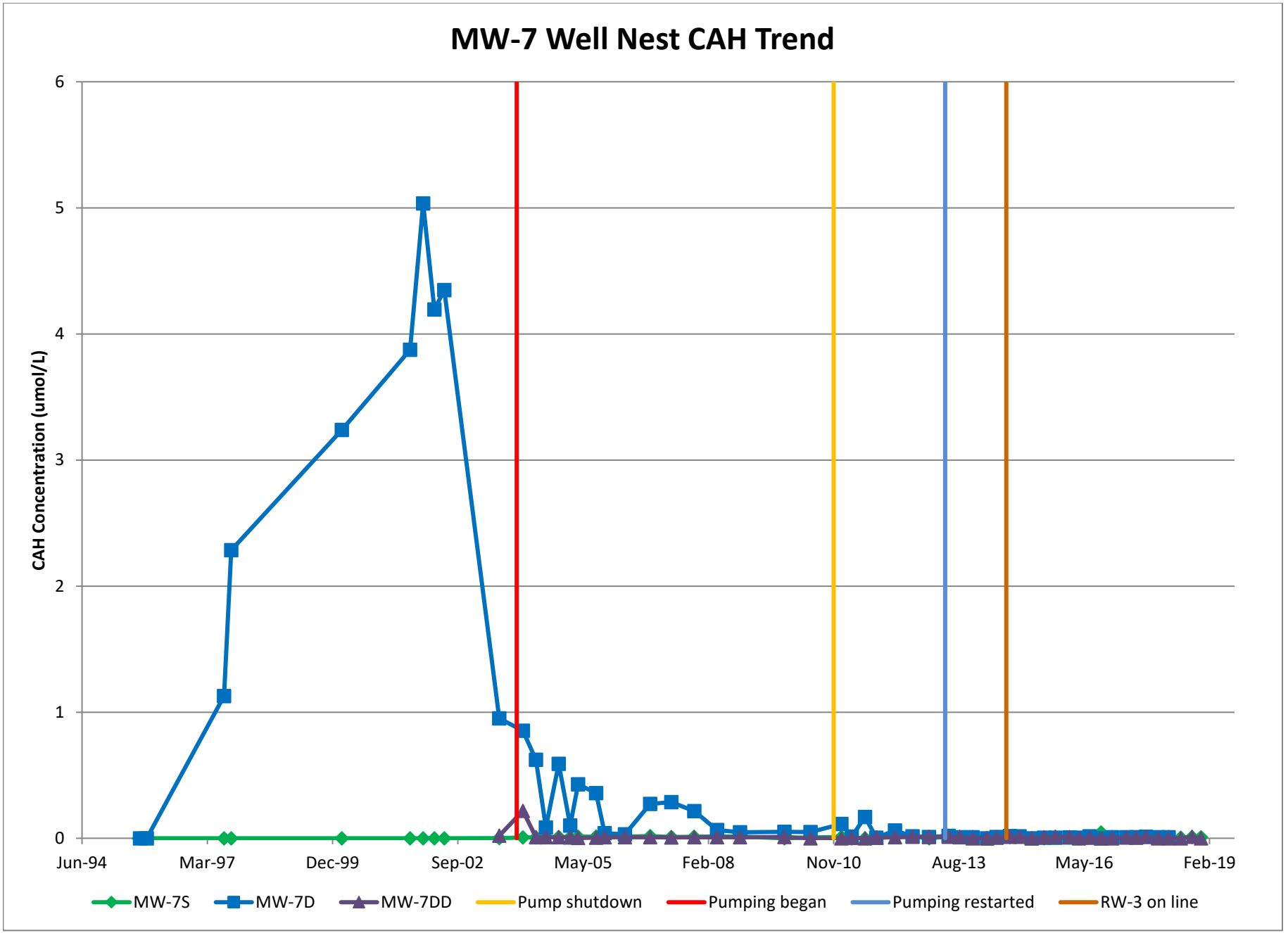
Appendix E

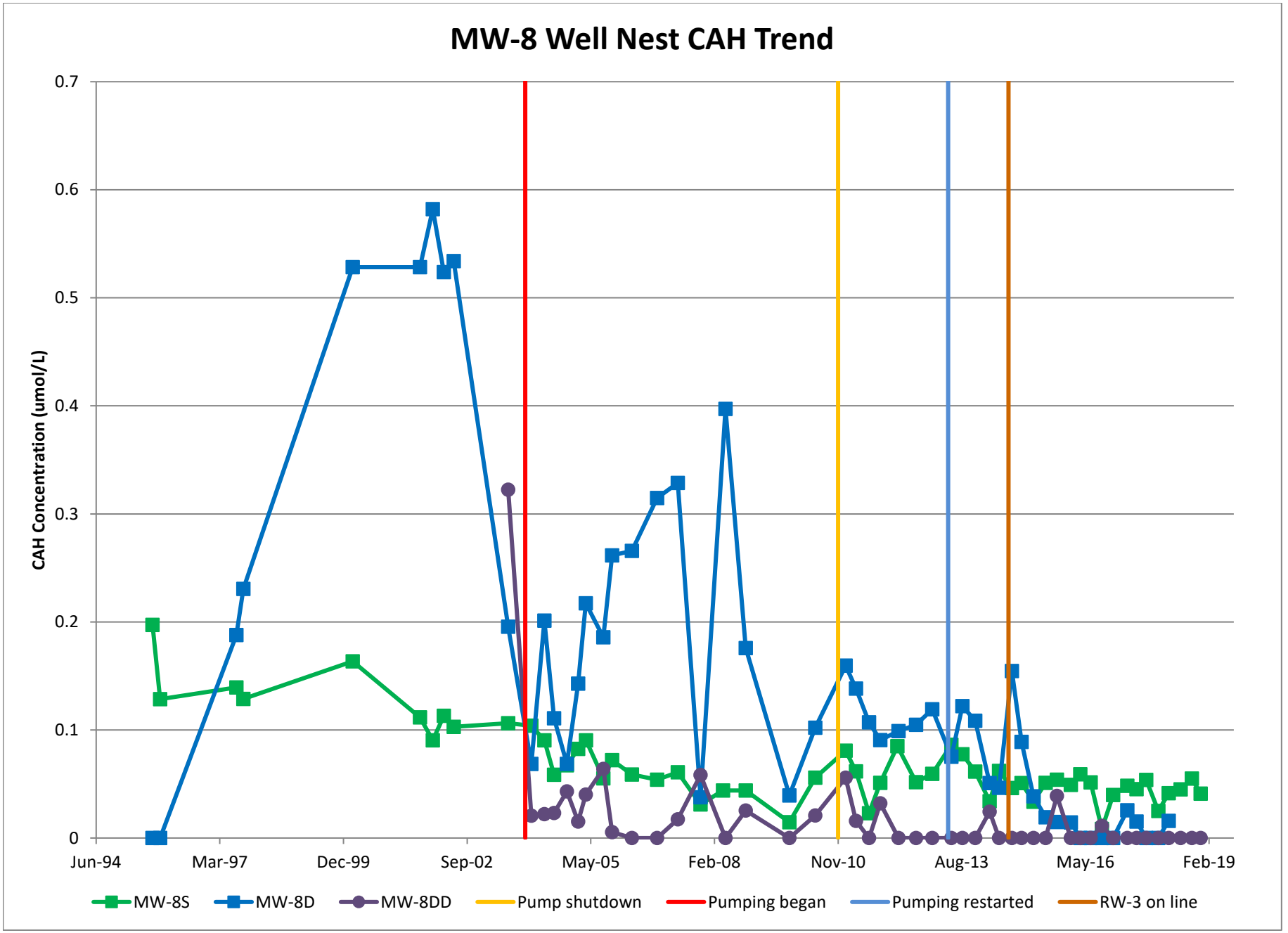
CAHs Mass Trends

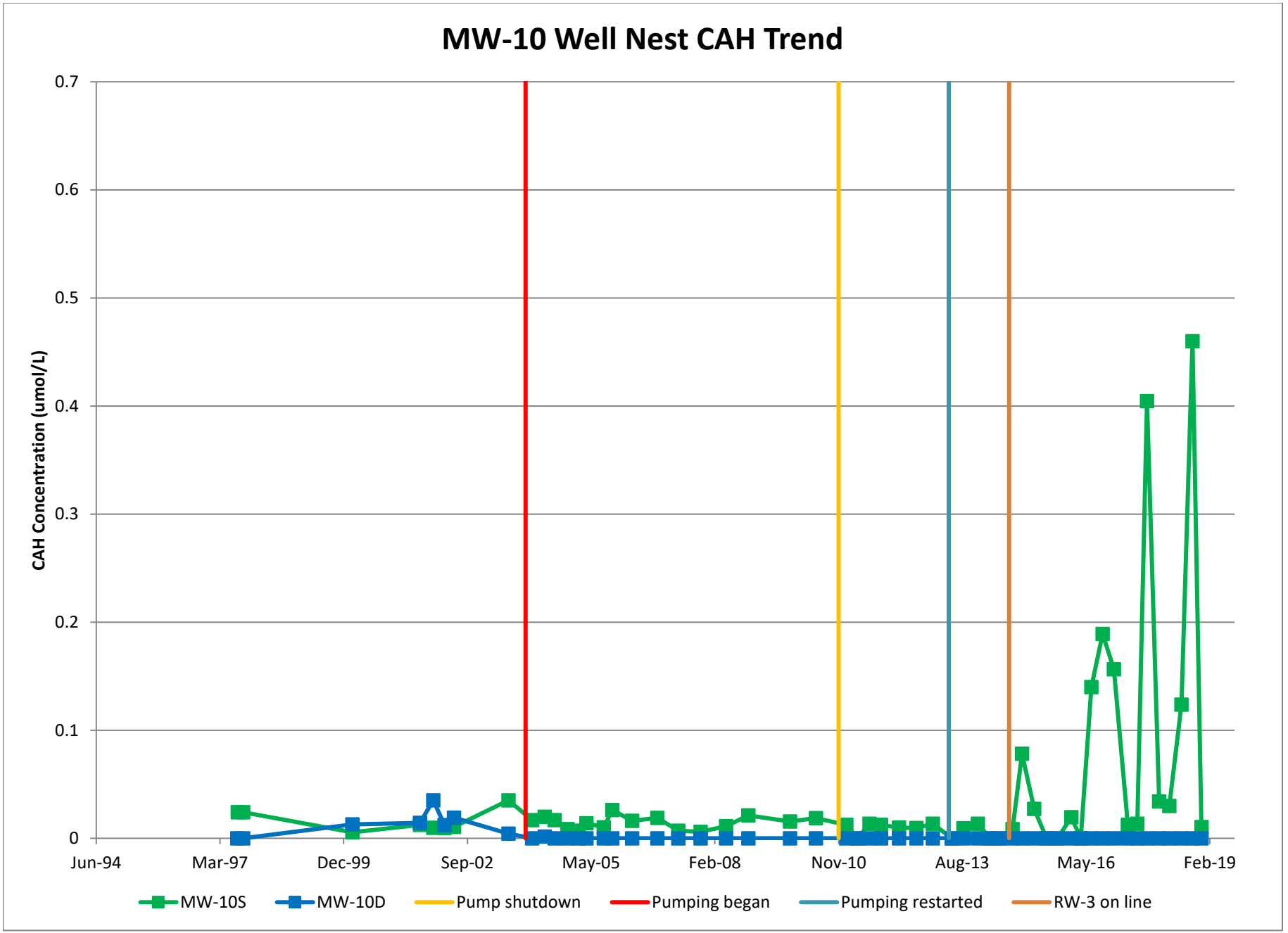

MW-4 Well Nest CAH Trend
CAH Concentration (umol/L)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-4S
MW-4D
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-5 Well Nest CAH Trend
CAH Concentration (umol/L)
40
35
30
25
20
15
10
5
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-5S
MW-5D
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-6 Well Nest CAH Trend
CAH Concentration (umol/L)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-6S
MW-6D
MW-6DD
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-7 Well Nest CAH Trend
CAH Concentration (umol/L)
6
5
4
3
2
1
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-7S
MW-7D
MW-7DD
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-8 Well Nest CAH Trend
CAH Concentration (umol/L)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-8S
MW-8D
MW-8DD
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line


MW-10 Well Nest CAH Trend
CAH Concentration (umol/L)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Jun-94
Mar-97
Dec-99
Sep-02
May-05
Feb-08
Nov-10
Aug-13
May-16
Feb-19
MW-10S
MW-10D
Pump shutdown
Pumping began
Pumping restarted
RW-3 on line