PERIODIC REVIEW REPORT
FEBRUARY 2020 – FEBURARY 2025

HAIGHT FARM SITE
CLARENDON, NEW YORK 14429

NYSDEC Site No. 837006
Work Assignment No. D009812-25

Prepared for:

NEW YORK STATE

Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233

Prepared by:

TRC Engineers, Inc.
3 Corporate Drive, Suite 202
Clifton Park, New York 12065

JUNE 2025

TRC Project No. 470744

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Class GA Values	NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values
COCs	Contaminants of Concern
CVOCs	Chlorinated Volatile Organic Compounds
cis-DCE	cis-1,2-Dichloroethene
DER	Department of Environmental Remediation
DUSRs	Data Usability Summary Reports
DVE	Dual-Phase Vapor Extraction
ECs	Engineering Controls
EN	Environmental Notice
Eurofins	Eurofins/TestAmerica Laboratories
FS	Feasibility Study
ICs	Institutional Controls
IHWDS	Inactive Hazardous Waste Disposal Site
ND	Not detected
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
Pace	Pace Analytical/Con-Test
PDBs	Passive Diffusion Bags
PFAS	Per- and Polyfluoroalkyl Substances
ppb	Parts Per Billion
PRP	Potential Responsible Parties
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
RA	Remedial Action
RI	Remedial Investigation
ROD	Record of Decision
SBL	Section Block Lot
SCGs	Standards, Criteria, and Guidance
SMP	Site Management Plan
SMR	Site Management Report
TCE	Trichloroethene
TCL	Target Compound List
TICs	Tentatively Identified Compounds
TOGS	NYSDEC Division of Water Technical and Operational Guidance Series
trans-1,2-DCE	trans-1,2-Dichloroethene
TRC	TRC Engineers, Inc.
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
WA	Work Assignment
µg/L	Micrograms Per Liter

Executive Summary

Category	Summary/Results
Engineering Controls (ECs)	• Groundwater Monitoring Well Network • Restricted site access

Institutional Controls (ICs)	• Site Management Plan (SMP) (2024)
	• Environmental Notice (EN) (2013)
	  ○ Groundwater-Use Restriction
	  ○ Land-Use Restriction (Restricted Residential)

Site Classification	Class 4 Inactive Hazardous Waste Disposal Site (IHWDS)
Site Management Plan (SMP)	SMP – April 2024
Certification/Reporting Period	The Certification Period of this Periodic Review Report (PRR) is from February 28, 2020, to February 28, 2025.
Inspection	**Frequency**
Site-wide Inspection	Annually
Monitoring	**Frequency**
Groundwater	Annually/Triennially
Prior PRR Recommendations	The prior PRR prepared for the March 1, 2015, to May 31, 2020, reporting period included the following recommendations: • Five-year PRR Certification Period. At the discretion of the NYSDEC, a Site Management Report (SMR) would not be required when a PRR is due the same year. • Annual site inspection (concurrent with groundwater sampling events, when possible), including water level measurements and additional inspections, as necessary, following severe weather events. • Annual site inspections and groundwater monitoring should be continued at the Site. Site inspections and groundwater sampling should be conducted in the Fall when CVOC concentrations are historically highest, per the SMP. • Annual groundwater level gauging of each of the 24 site monitoring well network wells in the Fall. • Annual site groundwater sampling should include the sampling of 21 of the 24 existing monitoring wells, excluding MW-18S, MW-18D, and MW-20D from the sampling requirement. • The Hanson Aggregate Clarendon Quarry wells should be sampled once every three years (triennial sampling event) to monitor for potential changes in site-related contaminants of concern (COCs) beginning in the Fall of 2020. • The 2006 Operation, Maintenance, & Monitoring (OM&M) Plan should be updated to a SMP and reflect the above recommendations, sampling/inspection/reporting frequency, and PRR Certification Period. Note all recommendations listed above have been incorporated in the preparation of the April 2024 SMP, excluding the SMR. According to the SMP, a SMR is not required for this Site.
Site Management Activities	One annual/post-storm site inspection, four annual site-wide inspections, , and four rounds of groundwater monitoring were performed during the report period of February 28, 2020, to February 28, 2025. • 10/29/2020 and 11/19/2020: TRC Engineers, Inc. (TRC) performed an annual site-wide inspection and the annual and triennial groundwater sampling events, with the deployment

Category	Summary/Results
	of passive diffusion bags (PDBs) to facilitate groundwater sample collection. Each monitoring well was gauged prior to sampling. • 8/24/2021 and 10/14/2021: TRC performed an annual site-wide inspection and annual groundwater monitoring event, with the deployment of PDBs for groundwater sample collection. Each monitoring well was gauged prior to sampling. • 10/14/2021 and 11/1/2021: TRC performed an annual site-wide inspection and annual groundwater monitoring event, with the deployment of PDBs for groundwater sample collections. Each monitoring well was gauged prior to sampling. • 11/1/2022 and 11/16/2022: TRC performed an annual site-wide inspection and annual groundwater monitoring event, with the deployment of PDBs for groundwater sample collections. Each monitoring well was gauged prior to sampling. • 8/9/2023: TRC performed a combined annual and post-storm site inspection. • 4/11/2024: TRC completed updates to the SMP. • 11/7/2024 and 11/21/2024: TRC performed an annual site-wide inspection and annual groundwater monitoring event, with the deployment of PDBs for groundwater sample collections. Each monitoring well was gauged prior to sampling.
Significant Findings or Concerns	• Groundwater concentrations of acetone, cis-1,2-dichloroethene (cis-1,2-DCE), and trichloroethene (TCE) exceeded the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values (Class GA Values) at one or more locations during this monitoring period. • Concentrations trends of TCE in the shallow on-Site groundwater wells have increased since 2019.
Recommendations	• Continue annual site-wide inspections and annual/triennial groundwater monitoring in accordance with the April 2024 SMP. • Replace the lock to the eastern site access gate. • Replace the missing J-plugs for monitoring wells MW-3S, MW-4S, MW-5S and the mis-fitted J-plug for monitoring well MW-19S. • Replace or repair the broken cap for MW-15D. • Replace the locks for monitoring wells MW-15D and MW-16S. • Attempt to locate monitoring wells MW-8S, MW-11, and MW-11S using a metal detector.
Cost Evaluation	The total cost of site management activities for this reporting period was $96,819. This cost includes engineering (e.g., labor and expense) and subcontractor costs (e.g., laboratory, equipment, rentals, data validation, utility clearance, etc.). It should be noted that this total does not include any costs incurred by the NYSDEC in support of the project.
Green and Sustainable Remediation Metrics	Site monitoring activities performed during this reporting period: minimal amounts (less than 50 pounds) of solid waste were generated on-site, approximately 2,000 miles were driven, and no land was disturbed on-site. Additional details concerning green and sustainable remediation metrics are presented in **Appendix A**.

1.0 Introduction

This Periodic Review Report (PRR) has been prepared for the Haight Farm Site (referred to as "Site") and covers the period from February 28, 2020, through February 28, 2025. This PRR was prepared in accordance with New York State Department of Environmental Conservation (NYSDEC) Work Assignment (WA) No. D009812-25; Notice to Proceed dated November 19, 2021; NYSDEC-approved Scope of Work dated April 1, 2022 (and subsequent amendments); NYSDEC Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation (DER-10); and NYSDEC DER-31, Green Remediation (DER-31). A Site summary and applicable remedial program information are presented below.

Site Information			
Site Name:	Haight Farm Site	**NYSDEC Site No:**	837006
Site Location:	4879 Upper Holley Road, Clarendon, Orleans County, New York	**Remedial Program:**	State Superfund Program
Site Type:	Dump Site	**Classification:**	Class 4 Inactive Hazardous Waste Disposal Site (IHWDS)
Parcel Identification(s):	Section, Block, Lot # 109.-1-41, Orleans County Tax Map	**Parcel Acreage / EE Acreage:**	2.0 acres
Selected Remedy:	Excavation, DVE System[1], Long-term Monitoring	**Site Contaminants of Concern (COCs):**	Volatile Organic Compounds (VOCs)
Current Remedial Program Phase:	Post Remedial Action Site Monitoring, Site Management	**Institutional Controls:**	• Record of Decision (ROD) (1998) • Environmental Notice (2013) ○ Land and groundwater use restrictions • Site Management Plan (SMP) (2024)
Post-Remediation Monitoring and Sampling Frequency:	Groundwater Monitoring – Annually/Triennially[2] Site Inspections – Annually	**Engineering Controls:**	• Restricted Site Access • Groundwater Monitoring Well Network
Monitoring Locations:	There are 24 monitoring wells included in the annual monitoring network. An additional six monitoring wells[2] and the Quarry Sump are included in the triennial sampling frequency.	**Required Reporting:**	• PRR – Every Five Years

[1]The site Dual phase Vapor Extraction (DVE) system was removed in 2010.

[2]The Clarendon Quary monitoring wells, MW-10-00S, MW-10-00D, MW-25-04S, MW-25-04D, MW-26-04S, and MW-26-04D and the Quarry Sump are sampled every three years.

1.1 Site Location, Ownership, and Description

The Site is located at 4879 Upper Holly Road in the Town of Clarendon in Orleans County, New York (see **Figure 1**). The Site consists of one parcel, Section Block Lot (SBL) # 109.-1-41 of the Orleans County Tax Map. The Site measures approximately 2 acres in size and is bounded by residential properties to the north and south, to the east by wooded private property, and to the west by Upper Holley Road (see **Figure 2**). The Site is currently vacant, with a chain link fence being the only structure on-site.

1.2 Investigation/Remedial History

The Site was purchased by the Earl Haight family in 1953 and used as a primary residence. Approximately 40 drums containing a mixture of spent cutting oil and trichloroethene (TCE) from the Erdle Perforating Company were stored on-site from about 1969 through 1984. In 1984 the Site owner attempted to remove the drums. During the drum removal operations, approximately 200 gallons of the waste oil mixture containing TCE were spilled. The NYSDEC was contacted by the New York State Police regarding the spill. NYSDEC responded to the spill and conducted an emergency drum removal under the New York State Superfund Emergency Drum Removal Program. Thirty barrels of the liquid waste (approximately 1000 gallons) were repacked and removed, along with an additional 13 empty drums. Additionally, staining on the ground indicated that some drums had leaked to the ground surface and many of the drums also showed signs of corrosion.

After the Emergency Drum Removal in 1984, several investigations concluded that the soil at the Site in the area where the drums were stored was impacted by chlorinated volatile organic compounds (CVOCs) and petroleum compounds from the waste oil mixture. Groundwater sampling results indicated the presence of TCE in groundwater beneath the Site, and that this contamination had migrated off-site to the north and impacted one adjacent residential drinking water well. The Orleans County Department of Health conducted a drinking water sampling event of six residential drinking water wells on or adjacent to the Site. The associated groundwater results indicated TCE and various chlorinated solvent breakdown products had migrated off-site to the north and had impacted one adjacent residential drinking water well. As a result, carbon filter systems were installed at multiple residences along Upper Holley Road adjacent to the Site.

In January 1989, the NYSDEC completed a Phase 1 Investigation. Through the investigation it was concluded that the Site scored high enough on the Hazardous Ranking System (HRS) to require additional investigation, to fully characterize the spill and the impacts to the environment.

In March 1989, a Consent Order (Index No. B8-0067-8412) was signed requiring the Potential Responsible Parties (PRPs), Erdle Perforating Company and Earl M. Haight, to conduct a Remedial Investigation/Feasibility Study (RI/FS) at the Site.

The RI/FS was conducted in November 1991. TCE and 1,2-dichloroethene (1,2-DCE) were noted to be present in groundwater and soil at the Site. Following legal negotiations, the PRPs and NYSDEC agreed that the PRPs were financially unable to continue the remedial program. NYSDEC continued the RI/FS investigation from 1995 through 1996 to determine the extent of the on-site contamination and the extent of the off-site groundwater TCE plume through the New York State Superfund Program and to evaluate potential remedial alternatives. The1996 RI/FS report concluded that the removal of impacted soil on-site and a dual phase vapor extraction (DVE) system would be the most effective remedial strategy.

In 1998, NYSDEC issued a Record of Decision (ROD) which determined excavation and off-site disposal for CVOC-impacted soil and DVE to be the selected remedy for the Site. In 1999, a Remedial Action (RA) was conducted to complete the removal of CVOC-impacted soil down to the bedrock surface in the former drum storage area, and a DVE system was installed to mitigate the residual contamination in the shallow bedrock aquifer beneath the Site. In May 2001, the DVE system was taken offline.

In 2000, New York Department of Health (NYSDOH) collected water samples from the nearby residential groundwater supply wells. No site-related contaminants (TCE and dichloroethene (DCE)) were detected at concentrations above the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values (Class GA Values).

Between 2001 and 2003, Hanson Aggregates, the operator of the limestone quarry (Clarendon Quarry) to the north and hydraulically downgradient of the Site, connected the private residences in the area to the public water supply system because of possible impacts from the quarry operations. At this time, the residential carbon filtration systems noted above were removed since the quarry dewatering system created a groundwater draw down.

In 2006, three sets of pumping wells used for dewatering the quarry and a sump within the quarry were included in the monitoring well network to monitor for potential impact from site-related COCs and plume migration associated with groundwater pumping. These include the monitoring wells MW-00-10S, MW-00-10D, MW-25-04S, MW-25-04D and MW-26-04S, and MW-26-04D as well as the Quarry Sump.

In 2005, NYSDEC conducted indoor air sampling near the Site, and the associated results indicated that the surrounding homes were not impacted. In 2010, the DVE system was removed from the Site, and the Site was reclassified to a Class 4 IHWDS. The Site's groundwater monitoring network monitors two groundwater zones. The shallow wells (monitoring wells denoted with "S" or number only) monitor the gravel overburden zone as well as the highly fractured and weathered bedrock zones. The deep wells (monitoring wells denoted with "D") monitor the deeper highly fossilized and vuggy bedrock zone. The shallow and deep bedrock zones are separated by a zone of massive, competent dolostone, which acts as a semi-confining layer between the two water bearing zones.

On December 3, 2013, the NYSDEC issued an Environmental Notice (EN) for the Site, which, among other things, prohibits the use of groundwater without permission from the NYSDEC and prohibits the use of the site for any purpose other than restricted residential use.

In May 2019, in addition to the annual sampling event, three on-site groundwater monitoring wells (MW-03D, MW-04S, and MW-07S) were sampled for emerging contaminants, including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. The associated laboratory results showed no detections of these contaminants.

In May 2020, TRC prepared the first site PRR documenting site management activities conducted from March 2015 through May 2020. TRC submitted the SMP for the Site in April 2024.

A detailed site history, including the dates and descriptions of noteworthy events is included in **Appendix B** along with a Custodial Record detailing known and available site reports.

1.3 Remaining Contamination

1.3.1 Soil

Soil samples were collected as part of the 1996 RI, and according to the ROD, those samples confirmed that the contamination was confined to a shallow portion of soil located on-site. The samples in that area included concentrations of TCE ranging from 25 to 31,000 parts per billion (ppb) and elevated hydrocarbon concentrations, including benzene (380 ppb), toluene (3,900 ppb), and xylene (6,900 ppb). A map of sample locations and a table summarizing the concentrations of contaminants found in site soil are presented in Appendix E of the SMP.

A 2001 Remediation Summary Report documented that approximately 2,800 tons of contaminated soil were removed from the Site in late 2000. Soil samples were collected from the sidewall of the excavation, and concentrations of TCE of less than 31 ppb were exhibited in all 12 sidewall samples. The soil was excavated down to top of bedrock, so no samples were collected from the floor of the excavation. Immediately after the remedial excavation, the DVE system was installed and operated on-site.

1.3.2 Groundwater

As presented in the SMP, in May 2019, TCE, cis-1,2-DCE, and trans-1,2-DCE were detected in groundwater within a small area on-site. Detections of TCE in on-site groundwater ranged from 1.3 to 33 ppb, and detections in off-site groundwater TCE concentrations ranged from 0.69 to 6.7 ppb. Detections of cis-1,2-DCE in on-site groundwater ranged from 2.5 to 58 ppb with no detections off-site. No exceedances of trans-1,2-DCE were detected. The remaining contamination at the Site includes low-level VOC concentrations in the shallow overburden groundwater, the shallow weathered fractured upper bedrock zone, and the deeper bedrock (highly fractured dolomite).

1.4 Regulatory Requirements/Cleanup Goals

Goals for the remedial program for the Site are outlined in the ROD and EN. The overall remedial goal is to meet all Standards, Criteria, and Guidance (SCG) values and protect human health and the environment. At a minimum, the selected remedy must eliminate or mitigate all significant threats to public health and the environment presented by the hazardous waste at the Site, through the proper application of scientific and engineering principles.

The goals selected for the Site as presented in the ROD are as follows:

- Reduce, control, or eliminate, to the extent practicable, the contamination present within the soil present at the Site.
- Eliminate the potential for direct human or animal contact with the contaminated soil on-site.
- Prevent, to the extent possible, continued migration of contaminants to groundwater and contamination of downgradient water supply wells.
- Provide, to the extent practicable, for the attainment of SCGs for on-site and off-site groundwater quality.

2.0 Institutional and Engineering Control Plan Compliance

2.1 Institutional Controls

A series of Institutional Controls (ICs) are required by the SMP to:

- Implement, maintain, and monitor Engineering Control (EC) systems;
- Prevent future exposure to remaining contamination; and
- Limit the use and development of the Site to restricted residential use.

Adherence to these ICs is required by the EN for the Site and are implemented under the SMP. ICs identified in the SMP and EN may not be discontinued without an amendment to or extinguishment of the EN approved by the NYSDEC.

The Site's ICs are as follows:

- The property may only be used for restricted residential use provided that long-term ICs included in this SMP are employed.
- All ECs must be operated and maintained, as specified in the SMP.
- All ECs must be inspected at a frequency, and in a manner, defined in the SMP.
- The use of groundwater underlying the Site is prohibited without necessary water quality treatment to render it safe for use as drinking water or for industrial purposes, as determined by the NYSDOH or the County Department of Health, and the user must first notify and obtain written approval to do so from the NYSDEC.
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP.
- Data and information pertinent to site management must be reported at the frequency, and in a manner as, defined in the SMP.
- All future activities that will disturb remaining contaminated material on-site must be conducted in accordance with the SMP.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP.
- Access to the Site must be provided to agents, employees, or other representatives of the State of New York, with reasonable prior notice to the Site's owner, to assure compliance with the restrictions identified by the EN and ROD.
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the site boundary shown on **Figure 2**, and any potential impacts that are identified must be monitored or mitigated.
- Vegetable gardens and farming on the Site are prohibited.
- An evaluation shall be performed to determine the need for further investigation and remediation, should large-scale redevelopment occur, or if the subsurface is otherwise made accessible.

2.2 Engineering Controls

2.2.1 Monitoring Well Network

Fifteen overburden/shallow bedrock monitoring wells and nine deep bedrock monitoring wells have been installed on-site and downgradient of the Site for monitoring the effectiveness of the remedial program for groundwater located at the Site. There are three additional shallow bedrock monitoring wells, and three additional deep bedrock monitoring wells located at the Clarendon Quarry that are required to be monitored triennially. The locations of these monitoring well are shown on **Figure 2**; and the associated well construction details are presented in **Table 1**.

2.2.2 Site Access Control

Site access is restricted by a perimeter fence with an access gate. The existing fence is to be inspected and maintained as per the SMP. Future modifications to the exact location of the fence may be allowed with NYSDEC approval. Signs are to be maintained on the perimeter of the fence to notify the community that the Site has restricted access and no trespassing is allowed.

2.2.1 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the Remedial Action Objectives presented in the ROD. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10. Unless waived by the NYSDEC, confirmation samples of applicable environmental media are required before terminating any remedial actions at the Site. Confirmation samples require Category B deliverables and a Data Usability Summary Report (DUSR).

As discussed below, the NYSDEC may approve termination of a groundwater monitoring program. When a remedial party receives this approval, the remedial party will decommission all site-related monitoring, injection, and recovery wells, as per the NYSDEC Commissioner Policy (CP)-43 policy.

The remedial party will also conduct any needed Site restoration activities, such as asphalt patching and decommissioning treatment system equipment. In addition, the remedial party will conduct any necessary restoration of vegetation coverage, trees, and wetlands, and will comply with NYSDEC and United States Army Corps of Engineers regulations and guidance. Also, the remedial party will ensure that no ongoing erosion is occurring on the Site.

2.2.2 Monitoring Wells Associated with Monitored Natural Attenuation

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC project manager in consultation with the NYSDOH project manager, until residual groundwater concentrations are found to be consistently below Class GA Values, the Site SCGs, or have become asymptotic at an acceptable level over an extended period. In the event that monitoring data indicates that monitoring for natural attenuation may no longer be required, a proposal to discontinue the monitoring shall be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC project manager. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated. The completed IC/EC form is included in **Appendix C**.

3.0 Monitoring and Sampling Plan Compliance

The SMP was prepared to manage remaining contamination on-site and ensure that the implemented remedy remains effective by restricting the site groundwater use, site use, site development, and site soil disturbance. The table below shows the SMP-specified monitoring and sampling activities for the Site and the dates such activities were completed:

Summary of SMP Site Monitoring and Sampling Plan				
Site Management Activity	**Frequency**	**Location**	**Laboratory Analysis**	**Completion Date(s):**
Site-Wide Inspections	Annually, and following inclement weather	4879 Upper Holley Road, Clarendon, NY (SBL # 109.-1-41, Orleans County Tax Map)	Not Applicable	10/29/2020, 8/24/2021, 11/1/2022, 8/9/2023[1], and 11/7/2024
Groundwater Sampling	Annually	• MW-2S • MW-3S/D • MW-4S/D • MW-5S • MW-6S/D • MW-7S • MW-8S • MW-10 • MW-10S/D • MW-11 • MW-11S • MW-15S/D • MW-16S • MW-17D • MW-19S/D	TCL VOCs by USEPA Method 8260C	11/19/2020, 10/14/2021, 11/16/2022, and 11/21/2024
Groundwater Sampling	Triennially	• MW-10-00S/D • MW-25-04S/D • MW-26-04S/D • Quarry Sump	TCL VOCs by USEPA Method 8260C	11/19/2020
PRR	Every five years	Not Applicable	Not Applicable	March 2025

Note:
[1]TRC performed a combined annual and post-storm site inspection on August 9, 2023.
Monitoring wells MW-18S, MW-18D, and MW-20D are no longer required to be sampled but are used to collect water level data.
SBL – Section Block Lot
TCL – Target Compound List
USEPA – United States Environmental Protection Agency
VOC – Volatile organic compound

3.1 Site-Wide Inspection

TRC performed annual site inspections on October 29, 2020, August 24, 2021, November 1, 2022, and November 7, 2024, each in accordance with the SMP. TRC performed a combined annual and post-storm site inspection was performed on August 9, 2023. Each of the site inspections noted included an evaluation of the site ECs (monitoring well network and site access) and assessment of compliance with all ICs (including site usage).

A summary of the site inspections is presented below, and the associated site inspection reports and photographic logs can be found in **Appendix D**.

Summary of Site Activities, Site Monitoring, and Sampling February 2020 to February 2025		
Site Management Activity	**Summary of Results**	**Maintenance/Corrective Measure**
Site-Wide Inspection	October 29, 2020: TRC performed an annual site inspection and noted all site-related monitoring wells which could be located to be in good condition. August 24, 2021: TRC performed an annual site inspection and noted all site-related monitoring wells which could be located to be in good condition. November 1, 2022: TRC performed an annual site inspection and noted all site-related monitoring wells which could be located to be in good condition. TRC also noted the site cover to be in good condition (adequate vegetation). The eastern access gate to the Site was observed to be unlocked. August 9, 2023: TRC performed a combined annual and post-storm site inspection and noted no signs of storm damage. The fence lines on the north and eastern sides of the Site were observed to be overgrown with vegetation. The lock for the eastern access gate to the Site gate was observed to be cut open. November 7, 2024: TRC performed an annual site inspection and noted all site-related monitoring wells which could be located to be in good condition. TRC also noted the site cover to be in good condition (adequate vegetation). The lock for the eastern access gate to the Site was observed to be cut open.	None.
Groundwater Gauging and Monitoring	October 29, 2020, and November 19, 2020: TRC deployed passive diffusion bags (PDBs) at 17 of the 21 groundwater monitoring wells on October 29, 2020, for annual groundwater sampling. A PDB was not deployed at monitoring well MW-10, since the tether was observed to be detached and had fallen into the well, and the well was found to be dry. Wells MW-8S, MW-11, and MW-11S were unable to be located. On November 19, 2020, TRC performed a groundwater gauging event and PDBs were retrieved for groundwater sample collections. The PDB deployed at MW-10S was left in the well and not sampled since the well was found to be dry. Groundwater samples were collected from two of the six quarry monitoring wells (MW-10-00D and MW-26-04D) using a bailer for triennial groundwater sampling. Quarry wells MW-10-	None.

Summary of Site Activities, Site Monitoring, and Sampling February 2020 to February 2025		
Site Management Activity	**Summary of Results**	**Maintenance/Corrective Measure**
	00S, MW-25-04S, and MW-25-04D could be located. Quarry well MW-26-04S was found to be dry. Additionally, a sample was collected from the quarry sump. All samples were submitted to Eurofins/Test America Laboratories (Eurofins) for analysis of TCL VOCs plus 10 Tentatively Identified Compounds (TICs) via USEPA Method 8260C. August 24, 2021, and October 14, 2021: TRC performed a groundwater gauging event and deployed PDBs at 17 of the 21 groundwater monitoring wells on August 24, 2021, for annual groundwater sampling. Well MW-10 was observed to be dry; no PDB was deployed. Additionally, wells MW-8S, MW-11, and MW-11S were not located. On October 14, 2021, PDBs were retrieved for groundwater sample collections. Groundwater samples were submitted to Eurofins for analysis of TCL VOCs plus 10 TICs via USEPA Method 8260C. November 1 and 16, 2022: TRC performed a groundwater gauging event and deployed PDBs at 16 of the 21 groundwater monitoring wells on November 1, 2022, for annual groundwater sampling. Wells MW-10 and MW-10S were observed to be dry; no PDBs were deployed. Additionally, wells MW-8S, MW-11, and MW-11S were not located. On November 16, 2022, PDBs were retrieved for groundwater sample collections. Groundwater samples were submitted to Pace Analytical/Con-Test (Pace) for analysis of TCL VOCs plus 10 TICs via USEPA Method 8260C. November 7 and November 21, 2024: TRC performed a groundwater gauging event and deployed PDBs at 16 of the 21 groundwater monitoring wells on November 7, 2024. Wells MW-10 and MW-10S were observed to be dry; no PDBs were deployed. Additionally, wells MW-8S, MW-11, and MW-11S were not located. On November 21, 2024, PDBs were retrieved for groundwater sample collections, and PDBs were deployed for the next sampling event. Groundwater samples were submitted to Pace for analysis of TCL VOCs plus 10 TICs via USEPA Method 8260C.	

3.2 Groundwater Monitoring Summary

As per the SMP, monitoring wells MW-18S, MW-18D, and MW-20D are no longer required for groundwater sampling, because groundwater samples historically collected and analyzed have not exhibited detections of Site COCs. Groundwater monitoring wells MW-8S, MW-11, and MW-11S have historically not been located and were not located during this reporting period. These wells were not sampled during this reporting period.

3.2.1 Groundwater Gauging

On November 19, 2020, TRC gauged 21 of 30 groundwater monitoring wells, including three of the six quarry monitoring wells part of the triennial monitoring event. On August 24, 2021, November 1, 2022, and November 7, 2024, prior to PDB deployment, TRC gauged 19 groundwater monitoring wells (including MW-20D, not a part of the sampling network). Each of these wells were gauged for depth to groundwater to evaluate potential groundwater flow direction. The site groundwater monitoring wells are screened in the overburden/shallow bedrock, and deep bedrock hydrogeologic units. The groundwater monitoring well construction details are summarized in **Table 1**. Groundwater surface elevations measured during these events, the inferred groundwater surface elevation contours, and the inferred groundwater flow directions are presented for the overburden and shallow bedrock wells ("A" figures) and deep bedrock wells ("B" figures) on **Figure 3A** through **Figure 6B**. The groundwater gauging and elevation measurements for each gauging event are presented on **Table 2.** A summary of the site hydrogeologic information for each event is presented below:

Site Hydrogeologic Summary February 2020 through February 2025				
Date of Gauging Event	**Number of Groundwater Monitoring Wells Gauged**	**Groundwater Elevation Range***		**Inferred Groundwater Flow Direction**
		Lowest (feet above mean sea level)	**Highest (feet above mean sea level)**	
Overburden/Shallow Bedrock Units				
November 19, 2020**	12	615.41 (MW-19S)	649.20 (MW-7S)	West
August 24, 2021	11	620.51 (MW-19S)	649.01 (MW-7S)	West
November 1 2022	11	614.74 (MW-19S)	646.08 (MW-7S)	West
November 7, 2024	11	615.55 (MW-19S)	647.05 (MW-7S)	West
Deep Bedrock Unit				
November 19, 2020*	9	596.62 (MW-26-04D)	639.25 (MW-6D)	West
August 24, 2021	8	606.81 (MW-19D)	641.47 (MW-6D)	West
November 1 2022	8	601.27 (MW-19D)	638.70 (MW-6D)	West
November 7, 2024	8	601.22 (MW-19D)	639.48 (MW-6D)	West

Notes:
* - Based on measurable groundwater within wells and excludes dry wells.

** - The November 19, 2020, gauging event includes measurements from the site quarry monitoring wells, as a part of the triennial monitoring event.

3.2.2 Groundwater Sampling

Four groundwater sampling events were performed during this reporting period utilizing PDBs or bailer collection methods. These events occurred in October/November 2020, August/October 2021, November 2022, and November 2024.

In October 2020, TRC deployed PDBs at 17 of the 21 annual monitoring wells (MW-2S, MW-3S, MW-3D, MW-4S, MW-4D MW-5S, MW-6S, MW-6D, MW-7S, MW-10S, MW-10D, MW-15S, MW-15D, MW-16S, MW-17D, MW-19S, and MW-19D). A PDB was not deployed at monitoring well MW-10, since the tether was observed to be detached and had fallen into the well, and the well was found to be dry. In November 2020, PDBs were retrieved, and groundwater samples were collected from 16 of 17 wells where PDBs were deployed in October. During the retrieval of PDBs, the PDB for MW-10S was not retrieved because the well was dry. As a part of triennial groundwater sampling, in November 2020, samples were collected from two of the six quarry wells (MW-10-00D and MW-26-04D) using a bailer. Monitoring well MW-26-04S was observed to be dry and could not be sampled. Monitoring wells MW-10-00S, MW-25-04S and MW-25-04D could not be located and were not sampled. Additionally, one sample was collected from the quarry sump. All samples and associated Quality Assurance/Quality Control (QA/QC) samples (equipment blank, and trip blank) were submitted to Eurofins for analysis of TCL VOCs plus 10 TICs via USEPA Method 8260C.

In August 2021, TRC deployed PDBs at 17 of the 21annual monitoring wells. A PDB was not deployed at monitoring well MW-10 since the well was observed to be almost dry (not enough water to sample). In October 2021, PDBs were retrieved for groundwater sample collections. Groundwater samples and associated QA/QC samples were submitted to Eurofins for analysis of TCL VOCs plus 10 TICs via USEPA Method 8260C.

In early November 2022, TRC deployed PDBs at 16 of the 21annual monitoring wells. A PDB was not deployed at monitoring wells MW-10 and MW-10S since the wells were observed to be dry. In mid-November 2022, PDBs were retrieved for groundwater sample collections. Groundwater samples and associated QA/QC samples were submitted to Pace for analysis of TCL VOCs plus 10 TICs via USEPA Method 8260C.

In early November 2024, TRC deployed PDBs at 16 of the 21annual monitoring wells. A PDB was not deployed at monitoring wells MW-10 and MW-10S since the wells were observed to be dry. In mid-November 2024, PDBs were retrieved for groundwater sample collections. Groundwater samples and associated QA/QC samples were submitted to Pace for analysis of TCL VOCs plus 10 TICs via USEPA Method 8260C.

All QA/QC samples were collected in accordance with TRC's July 2020 Generic Quality Assurance Project Plan.

A summary of the groundwater sampling information and pertinent well details for each well is presented as follows:

Summary of Groundwater Sampling Activities February 2020 through February 2025						
Monitoring Well Details[1,2]		**Groundwater Sampling Event**				
Well Identification	**Screen Zone (feet below ground surface)**	**Depth to Water (feet below the top of riser)**				**Analytes**
		2020	2021	2022	2024	2020 – 2024
MW-2S	15.0 to 25.0	18.08	17.34	18.87	18.35	TCL VOCs + 10 TICs
MW-3S	16.5 to 26.5	17.52	17.15	17.82	17.65	TCL VOCs + 10 TICs
MW-3D	27.8 to 58.0	22.23	21.02	22.92	22.23	TCL VOCs + 10 TICs
MW-4S	16.0 to 26.0	16.76	16.18	17.28	17.07	TCL VOCs + 10 TICs
MW-4D	28.0 to 56.5	19.56	18.41	20.29	19.58	TCL VOCs + 10 TICs
MW-5S	13.5 to 23.5	16.19	15.37	17.39	16.79	TCL VOCs + 10 TICs
MW-6S	16.0 to 26.0	19.21	18.91	20.59	19.22	TCL VOCs + 10 TICs
MW-6D	27.0 to 42.0	17.11	14.89	17.66	16.88	TCL VOCs + 10 TICs
MW-7S	12.7 to 30.0	13.17	13.36	16.29	15.32	TCL VOCs + 10 TICs
MW-8S	13.2 to 33.2	CNL				Not Sampled/Analyzed
MW-10	4.7 to 9.7	Dry	11.49	Dry	Dry	TCL VOCs + 10 TICs
MW-10S	12.0 to 22.0	Dry	17.76	Dry	Dry	TCL VOCs + 10 TICs
MW-10D	40.0 to 59.2	21.09	17.34	21.36	21.12	TCL VOCs + 10 TICs
MW-11	5.0 to 10.0	CNL				Not Sampled/Analyzed
MW-11S	11.0 to 22.0	CNL				Not Sampled/Analyzed
MW-15S	12.3 to 22.3	21.79	18.95	21.77	21.80	TCL VOCs + 10 TICs
MW-15D	24.8 to 54.0	21.34	18.46	21.73	21.40	TCL VOCs + 10 TICs
MW-16S	15.6 to 25.6	23.94	19.78	23.91	23.92	TCL VOCs + 10 TICs
MW-17D	39.0 to 59.0	18.31	17.06	19.24	18.41	TCL VOCs + 10 TICs
MW-19S	18.8 to 28.8	22.54	17.44	23.21	22.40	TCL VOCs + 10 TICs
MW-19D	44.0 to 59.0	33.81	31.08	36.62	36.67	TCL VOCs + 10 TICs
Hanson Aggregate Quarry						
MW-10-00S	NA	CNL	NG	NG	NG	Not Sampled/Analyzed
MW-10-00D	NA	22.18	NG	NG	NG	TCL VOCs + 10 TICs
MW-25-04S	NA	CNL	NG	NG	NG	Not Sampled/Analyzed
MW-25-04D	NA	CNL	NG	NG	NG	Not Sampled/Analyzed
MW-26-04S	NA	Dry	NG	NG	NG	Not Sampled/Analyzed
MW-26-04D	NA	48.36	NG	NG	NG	TCL VOCs + 10 TICs
Quarry Sump	NA	NA	NG	NG	NG	TCL VOCs + 10 TICs

Notes:

[1]Groundwater monitoring wells denoted with "S" are shallow bedrock wells and wells denoted with "D" are deep bedrock wells. Groundwater monitoring wells MW-10 and MW-11 are overburden/shallow bedrock wells.

[2]Groundwater monitoring wells MW-10-00S, MW-10-00D, MW-25-04S, MW-25-04D, MW-26-04S, and MW-26-04D are the quarry wells included in triennial groundwater monitoring. During the reporting period, triennial groundwater monitoring was only conducted in 2020.

Monitoring wells MW-18S, MW-18D, and MW-20D are no longer required to be sampled so they are not included in this table, however they are used to collect water level data.

CNL – Could not be located

NA – Information is not available

NG – Not gauged

Additional groundwater monitoring well construction details are presented in **Table 1**.

3.2.3 Groundwater Analytical Results

Groundwater analytical data for the groundwater sampling events discussed above in **Section 3.2.2**, including data for samples collected from the quarry sump, is presented in **Table 3**. Detected compounds exceeding their corresponding Class GA Value for each monitoring well are identified on **Figure 7**. The DUSRs for the November 2020 and October 2021 sampling events can be found in **Appendix E**. DUSRs were not completed for the November 2022 and November 2024 sampling events. Concentration trend line graphs for monitoring wells containing COCs at concentrations consistently exceeding Class GA Values are provided in **Appendix F**.

A summary of the compounds that exceeded Class GA Values is provided below:

Summary of Groundwater Analytical Results – VOCs				
Constituent	**Class GA Value**	**Concentration Range**	**Location with Highest Concentration**	**Frequency Exceeding Class GA Value**
November 2020				
TCL VOCs (results in µg/L)				
cis-1,2-Dichloroethene	5	ND – 85	MW-3D	3/19
Trichloroethene	5	ND – 210 J-	MW-4S	7/19
October 2021				
TCL VOCs (results in µg/L)				
cis-1,2-Dichloroethene	1	ND – 56	MW-3D	1/17
Trichloroethene	5	ND – 65 J-	MW-4S	7/17
November 2022				
TCL VOCs (results in µg/L)				
Acetone	50	8.4 J – 120	MW-15D	1/16
cis-1,2-Dichloroethene	5	ND – 70	MW-3D	2/16
Trichloroethene	5	ND – 110	MW-3S	7/16
November 2024				
TCL VOCs (results in µg/L)				
Acetone	50	38 J – 220	MW-15D	14/16
cis-1,2-Dichloroethene	5	ND – 48	MW-3D	3/16
Trichloroethene	5	ND – 140	MW-4S	3/16

Notes:
ND – Not detected.
J – Estimated value.
J - – Estimated value; biased low.
µg/L – Micrograms per liter.

4.0 Cost Summary

The total estimated cost of SMP activities for the Site performed during this reporting period is approximately $96,819. These activities included the following:

- Project management/administration tasks.
- Four site-wide inspections.
- One combined annual and post-storm site inspection
- Four groundwater monitoring events.

The total cost includes all costs associated with labor and expenses expended from February 28, 2020, through February 28, 2025. A summary of these costs is presented below:

A summary of the 2020 through 2025 site management costs is presented below:

Summary of Site Management Costs
February 2020 through February 2025

Cost Item	Amount Expended	Percent of Total Cost (Approximate)
Engineering Support Labor Costs		
TRC	$90,972	94
Expenses		
TRC	$5,847	6
Subcontractors Costs	$0	0
Total Cost	**$96,819**	100

Each cost item is further described below:

- Engineering support includes labor costs associated with project management (e.g., WA Package preparation, monthly invoicing, project scheduling and coordination, etc.); five site inspections; four groundwater sampling events; and reporting (i.e., site inspection reports, DUSRs, and this PRR).
- Expense costs include travel, equipment, and supplies in support of the site-wide inspections and groundwater sampling events.

5.0 Conclusions and Recommendations

5.1 Conclusions

- The SMP was adhered to for the reporting period of February 28, 2020 through February 28, 2025.
- Site and groundwater use are consistent with the restrictions set forth in the SMP.
- The ICs operated as intended during this reporting period.
- The remedy continued to be protective of human health and the environment during this reporting period.
- ECs operated as intended during this reporting period, with the exception of the unlocked eastern site access gate. The gate lock was found to be cut open.
- Based on the groundwater elevations measured during November 2020, October 2021, November 2022, and November 2024 gauging events, the on-site and off-site groundwater flows to the west in the gravel overburden/shallow bedrock and deep bedrock hydrogeologic units. Groundwater flow observations are consistent with historical observations.
- Historical site COCs that exceed Class GA Values in groundwater include cis-1,2-DCE and TCE. Based on the available analytical data collected during this reporting period (**Table 3, Figure 7,** and **Appendix F**) the following conclusions are made regarding these groundwater contaminants:
    - Groundwater concentrations of cis-1,2-DCE and TCE exceeded Class GA Values at one or more locations during this reporting period. Concentrations of cis-1,2-DCE exceeding the Class GA Value were found in both deep and shallow bedrock monitoring wells located on the Site in the northwestern corner. Concentrations of TCE exceeding its Class GA Value were found on-site (in shallow and deep bedrock wells) and downgradient approximately 1,150 feet north northwest of the Site in shallow bedrock wells MW-15S and MW-16S. Although there have been recent increases in TCE concentrations in on-site monitoring wells since regular groundwater sampling started in 2019, the TCE concentrations remain less than concentrations observed in 1999.
- In November 2024, Acetone was detected at concentrations above its Class GA Value in groundwater samples from more than half of the monitoring well sampled. Acetone is not a site COC. Acetone results for the November 2020 and October 2021 groundwater sampling events were deemed non-detect, due to high concentrations found in the lab equipment blank contamination.
- The remediation goal to r*educe, control, or eliminate to the extent practicable the contamination present within site soil* appears to have been achieved; no disturbance of the site soil, with the potential to induce exposure to contamination, was documented during the reporting period.
- The remediation goal to *eliminate the potential for direct human or animal contact with the contaminated site soil* has been achieved.
- The remediation goal to *prevent, to the extent possible, continued migration of contaminants to groundwater and contamination of downgradient water supply wells* appears to have been achieved. During the reporting period, site COCs have dropped below Class GA values in all off-site wells, as shown by the results of the 2024 sampling event.

- The remediation goal to *provide, to the extent practicable, for attainment of SCGs for groundwater quality* has not been achieved, as cis-1,2-DCE and TCE remain present in site groundwater at concentrations above Class GA values.

5.2 Recommendations

- Continue annual site-wide inspections and annual/triennial groundwater monitoring in accordance with the SMP.
- Replace the lock to the eastern site access gate.
- Replace missing J-plugs for monitoring wells MW-3S, MW-4S, and MW-5S and the misfitted J-plug for monitoring well MW-19S.
- Replace or repair the broken well cap for monitoring well MW-15D.
- Replace the locks for monitoring wells MW-15D and MW-16S.
- Attempt to locate monitoring wells MW-8S, MW-11, and MW-11S during the next site visit using a metal detector.

6.0 Green and Sustainable Remediation Metrics

Green and sustainable remediation metrics implemented during this reporting period included utilizing local staff for site visits and visiting multiple sites under a single mobilization, to limit travel (reducing gas consumption). Generally, staff located between approximately 50 and 100 miles from the Site were utilized. Approximately 2,000 miles were travelled by Standby Engineers during this reporting period. During the reporting period local laboratories (located in Buffalo, New York, approximately 50 miles from the Site) were utilized for groundwater sampling activities. Waste generated during this reporting period includes personal protective equipment (e.g., disposable gloves), passive diffusion bags (PDBs), bailers, packing material, and ice associated with groundwater sampling events. Monitoring well tethers for PDBs were reused. A summary of the green remediation metrics is included in **Appendix A**.

7.0 Certification of Engineering and Institutional Controls

For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the NYSDEC;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;
- Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the Site is compliant with the environmental notice;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program [and generally accepted engineering practices]; and
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Allen Zgaljardic, of TRC Engineers, Inc., am certifying as the Remedial Party's Designated Site Representative. I have been authorized and designated by all site owners/remedial parties to sign this certification for the site.

TRC Engineers, Inc.

Prepared By: Brock Greene

Brock Greene

Project Manager

Reviewed By: Matt Hoskins

Matthew Hoskins, PG

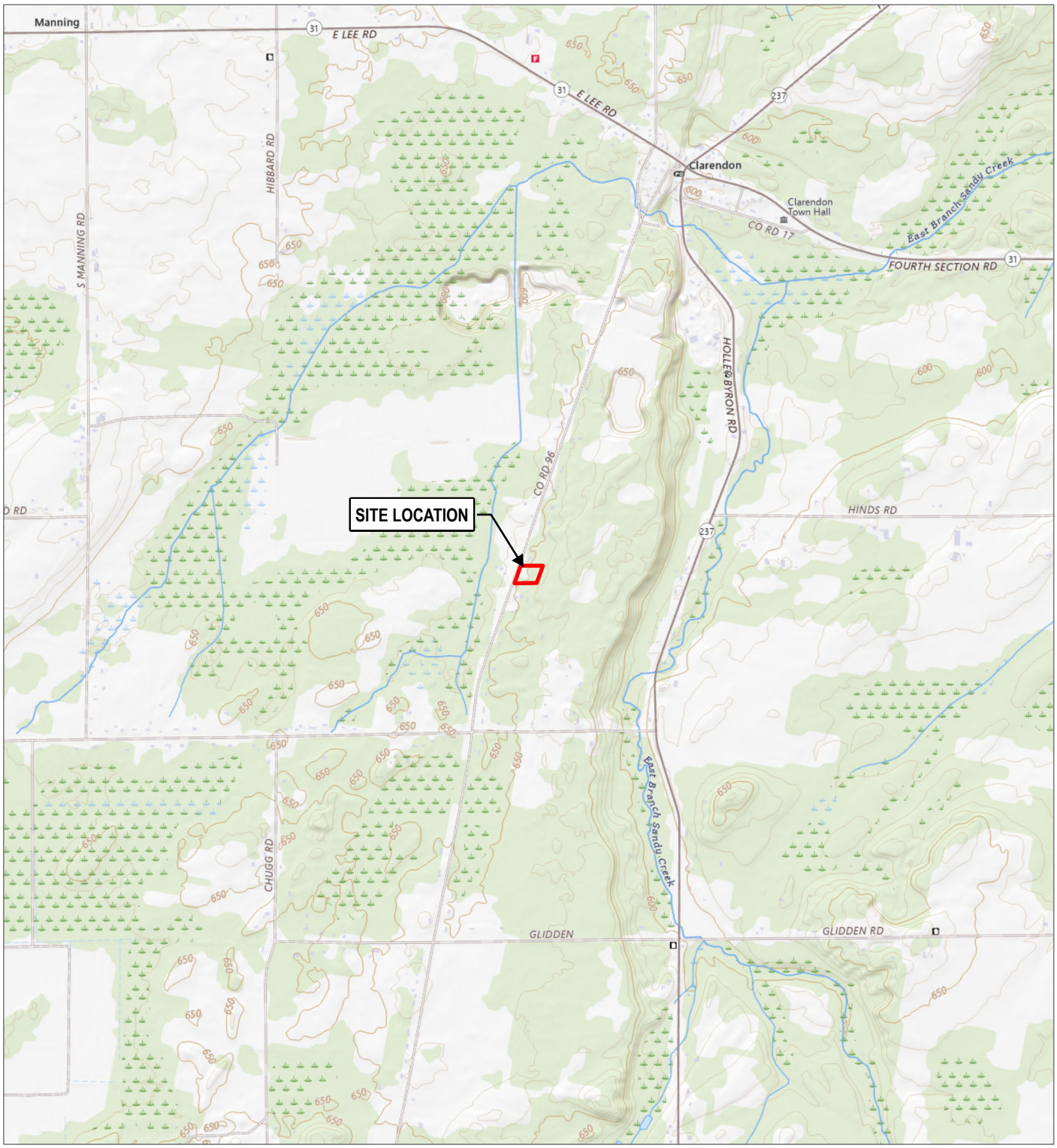
Senior Project Manager

8.0 Future Site Activities

Based on the recommendations discussed in **Section 5.0,** the following site management activities will be completed during the next PRR reporting period (March 2025 to February 2030):

- Site inspections – Annually (next scheduled: fourth quarter of 2025)
- Groundwater sampling – Annually (next scheduled: fourth quarter of 2025)
- Groundwater sampling - Triennially (next scheduled: fourth quarter of 2025)
- PRR – Every five years (next scheduled: March 2030)

FIGURES



LEGEND

TAX PARCEL BOUNDARY (109.-1-41)

BASE MAP: USGS TOPOGRAPHIC MAP SERVICE, HOLLEY NEW YORK QUAD
DATA SOURCES: TRC

N

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FEET

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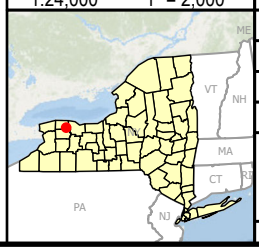


PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

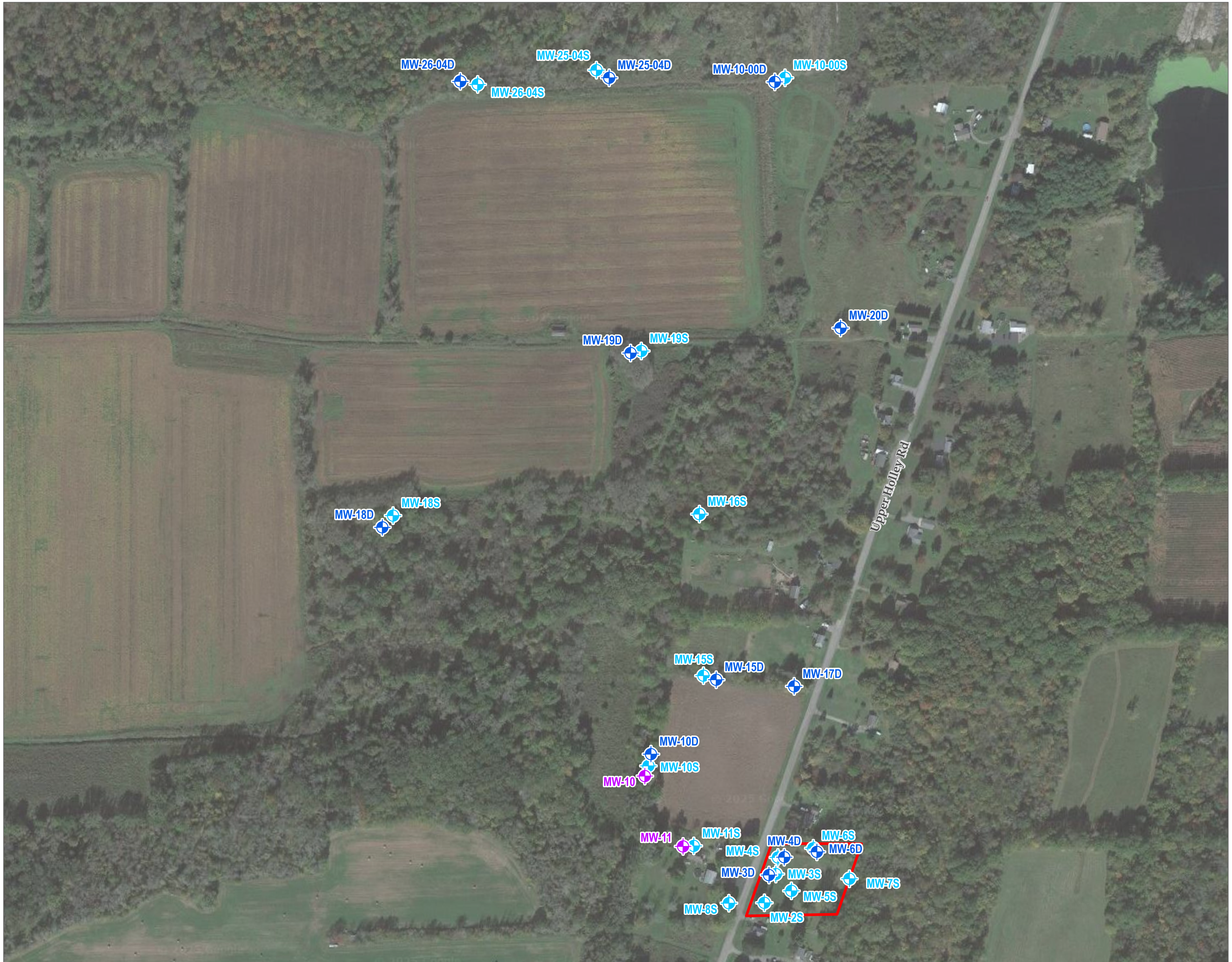
TITLE:

SITE LOCATION MAP

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS		
APPROVED BY:	B. GREENE		FIGURE 1
DATE:	APRIL 2025		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: 2025_PRR



LEGEND

- TAX PARCEL BOUNDARY (109.-1-41)
- OVERBURDEN MONITORING WELL LOCATION
- SHALLOW BEDROCK MONITORING WELL LOCATION
- DEEP BEDROCK MONITORING WELL LOCATION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY, 2023
DATA SOURCES: TRC

N

1:3,960
1" = 330'
0 165 330 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

TITLE:
SITE LAYOUT MAP

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS	FIGURE 2	
APPROVED BY:	B. GREENE		
DATE:	APRIL 2025		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: 2025_PRR.aprx

Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet; Map Rotation: 0
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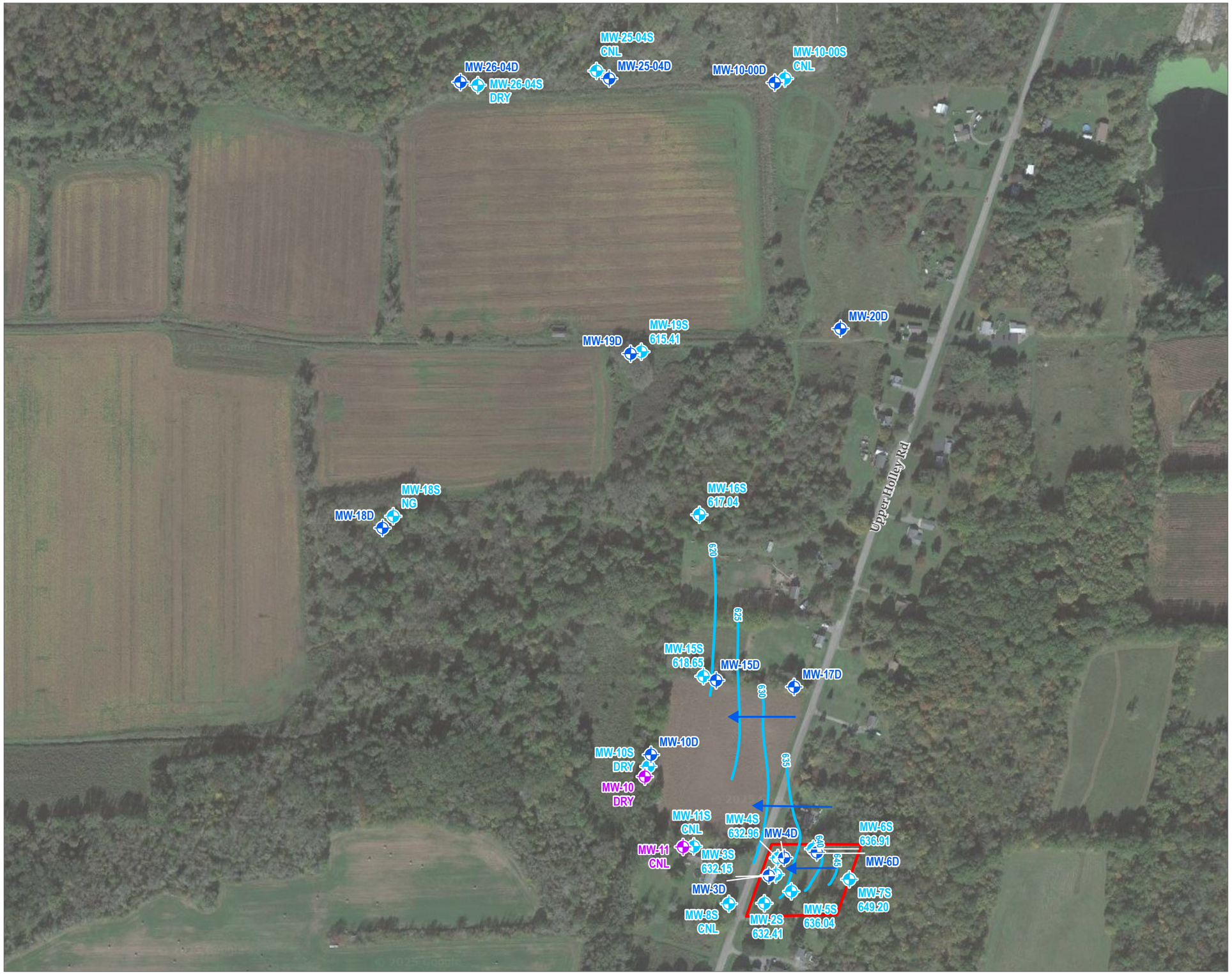

LEGEND

- TAX PARCEL BOUNDARY (109.-1-41)
- INFERRED GROUNDWATER ELEVATION CONTOUR (5-FOOT INTERVALS)
- INFERRED GROUNDWATER FLOW DIRECTION
- OVERBURDEN MONITORING WELL LOCATION
- SHALLOW BEDROCK MONITORING WELL LOCATION
- DEEP BEDROCK MONITORING WELL LOCATION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.

2. POTENTIOMETRIC SURFACE ELEVATIONS COLLECTED ON NOVEMBER 19, 2020.

3. MW-8S, MW-11, AND MW-11S HAVE HISTORICALLY NOT BEEN LOCATED.

4. MW-10-00S, MW-25-04S, AND MW-26-04S ARE MONITORED TRIENNIALLY.

ACRONYMS:
CNL - COULD NOT BE LOCATED
NG - NOT GAUGED

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY, 2023
DATA SOURCES: TRC

N

1:3,960
1" = 330'
0 165 330 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

TITLE:
SHALLOW GROUNDWATER SURFACE ELEVATIONS AND FLOW MAP - NOVEMBER 2020

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS		**FIGURE 3A**
APPROVED BY:	B. GREENE		
DATE:	APRIL 2025		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: 2025_PRR.aprx

Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet Map Rotation: 0
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MW-26-04D
596.62
MW-26-04S
MW-25-04S
MW-25-04D
CNL
MW-10-00D
618.69
MW-10-00S
600
605
610
615
620
625
630
635
MW-20D
NG
MW-19D
604.08
MW-19S
MW-18D
NG
MW-18S
MW-16S
MW-15S
MW-15D
618.78
MW-17D
626.13
MW-10D
618.18
MW-10S
MW-10
MW-11S
MW-11
MW-4S
MW-3S
MW-3D
627.60
MW-4D
629.83
MW-6S
MW-6D
639.25
MW-7S
MW-5S
MW-8S
MW-2S
Upper Holley Rd

LEGEND

- TAX PARCEL BOUNDARY (109.-1-41)
- INFERRED GROUNDWATER ELEVATION CONTOUR (5-FOOT INTERVALS)
- INFERRED GROUNDWATER FLOW DIRECTION
- OVERBURDEN MONITORING WELL LOCATION
- SHALLOW BEDROCK MONITORING WELL LOCATION
- DEEP BEDROCK MONITORING WELL LOCATION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.

2. POTENTIOMETRIC SURFACE ELEVATIONS COLLECTED ON NOVEMBER 19, 2020.

3. MW-10-00D, MW-25-04D, AND MW-26-04D ARE MONITORED TRIENNIALLY.

ACRONYMS:
CNL - COULD NOT BE LOCATED
NG - NOT GAUGED

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY, 2023
DATA SOURCES: TRC

N

1:3,960
1" = 330'
0 165 330
FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

TITLE:
DEEP GROUNDWATER SURFACE ELEVATIONS AND FLOW MAP - NOVEMBER 2020

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS		**FIGURE 3B**
APPROVED BY:	B. GREENE		
DATE:	APRIL 2025		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: 2025_PRR.aprx

Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet Map Rotation: 0
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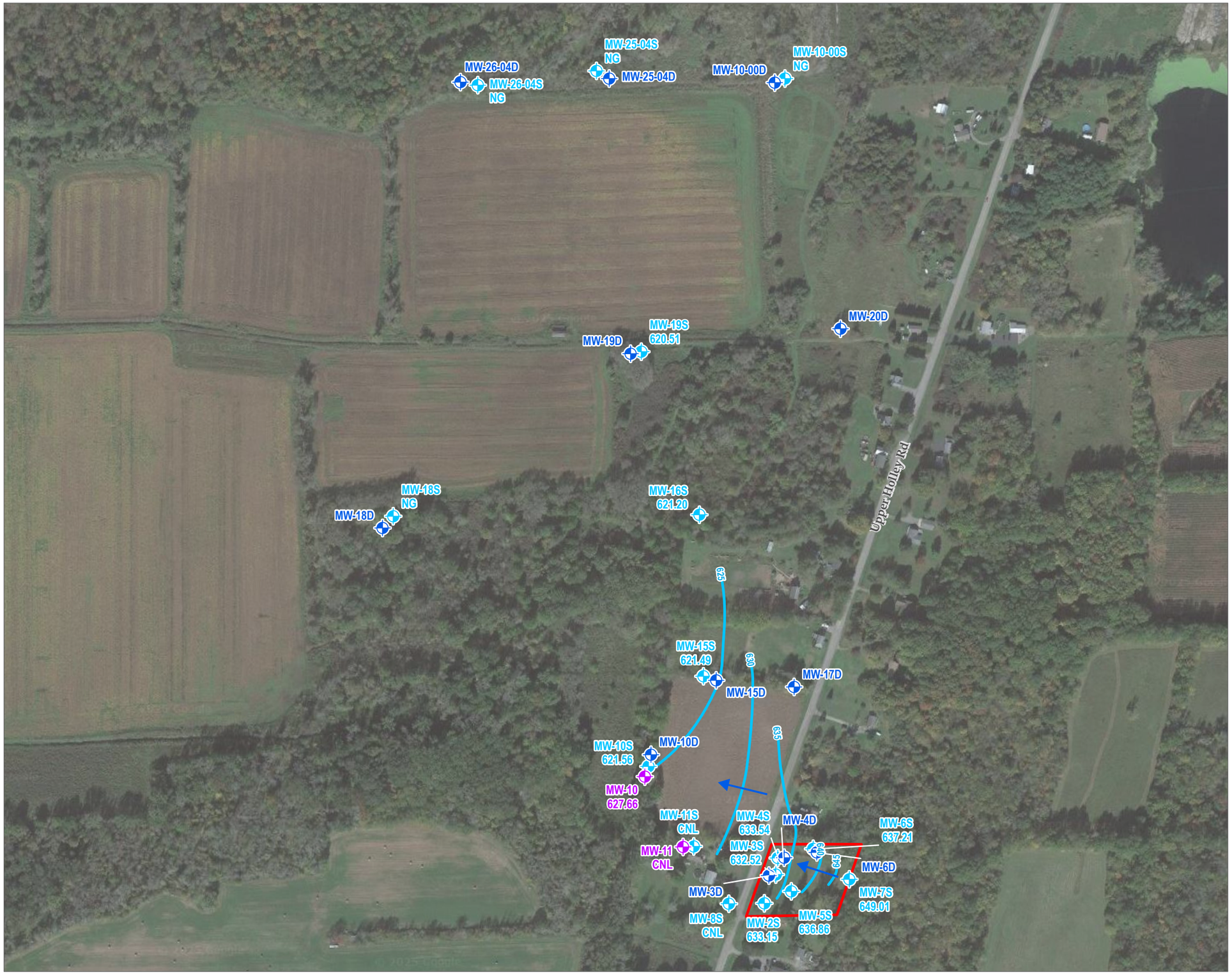


LEGEND

- TAX PARCEL BOUNDARY (109.-1-41)
- INFERRED GROUNDWATER ELEVATION CONTOUR (5-FOOT INTERVALS)
- INFERRED GROUNDWATER FLOW DIRECTION
- OVERBURDEN MONITORING WELL LOCATION
- SHALLOW BEDROCK MONITORING WELL LOCATION
- DEEP BEDROCK MONITORING WELL LOCATION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.

2. POTENTIOMETRIC SURFACE ELEVATIONS COLLECTED ON AUGUST 24, 2021.

3. MW-8S, MW-11, AND MW-11S HAVE HISTORICALLY NOT BEEN LOCATED.

4. MW-10-00S, MW-25-04S, AND MW-26-04S ARE MONITORED TRIENNIALLY.

ACRONYMS:
CNL - COULD NOT BE LOCATED
NG - NOT GAUGED

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY, 2023
DATA SOURCES: TRC

1:3,960
1" = 330'
0 165 330 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

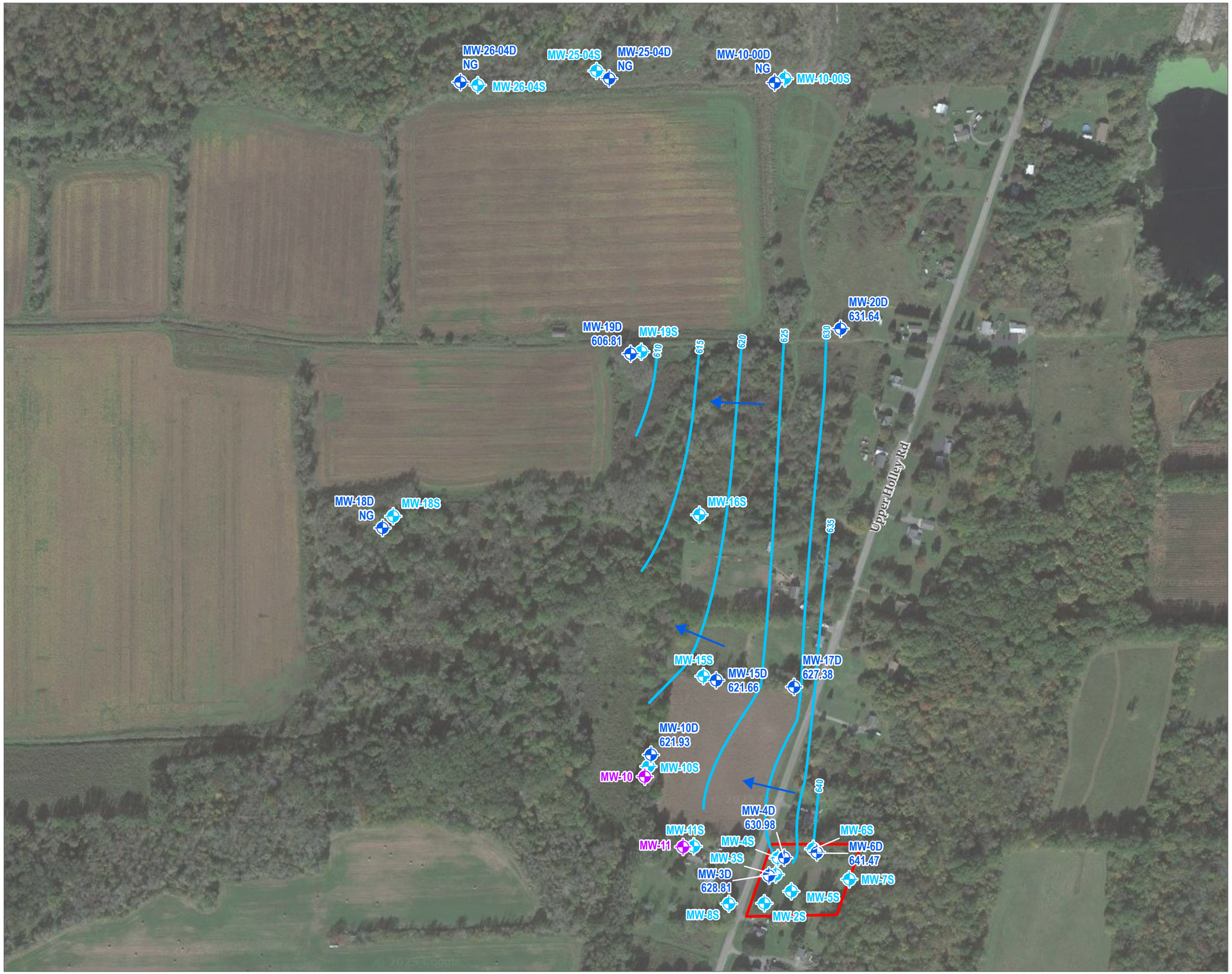
TITLE:
SHALLOW GROUNDWATER SURFACE ELEVATIONS AND FLOW MAP - AUGUST 2021

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS		**FIGURE 4A**
APPROVED BY:	B. GREENE		
DATE:	APRIL 2025		

TRC
3 CORPORATE DRIVE
SUITE 202
CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: 2025_PRR.aprx

Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet Map Rotation: 0
Saved By: LILL on 4/1/2025 11:52:24 AM Path: T:\1_PROJECTS\NYSDEC\470744 - 19_HaightFarm\2-APRX\2025_PRR\2025_PRR.aprx Layout Name: Fig04A_ShallowGroundwater_Surface_Elevations_and_Flow_Map_Aug2021



LEGEND

- TAX PARCEL BOUNDARY (109.-1-41)
- INFERRED GROUNDWATER ELEVATION CONTOUR (5-FOOT INTERVALS)
- INFERRED GROUNDWATER FLOW DIRECTION
- OVERBURDEN MONITORING WELL LOCATION
- SHALLOW BEDROCK MONITORING WELL LOCATION
- DEEP BEDROCK MONITORING WELL LOCATION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.

2. POTENTIOMETRIC SURFACE ELEVATIONS COLLECTED ON AUGUST 24, 2021.

3. MW-10-00D, MW-25-04D, AND MW-26-04D ARE MONITORED TRIENNIALLY.

ACRONYMS:
NG - NOT GAUGED

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY, 2023
DATA SOURCES: TRC

N

1:3,960
1" = 330'
0 165 330
FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

TITLE:
DEEP GROUNDWATER SURFACE ELEVATIONS AND FLOW MAP - AUGUST 2021

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS		
APPROVED BY:	B. GREENE		**FIGURE 4B**
DATE:	APRIL 2025		

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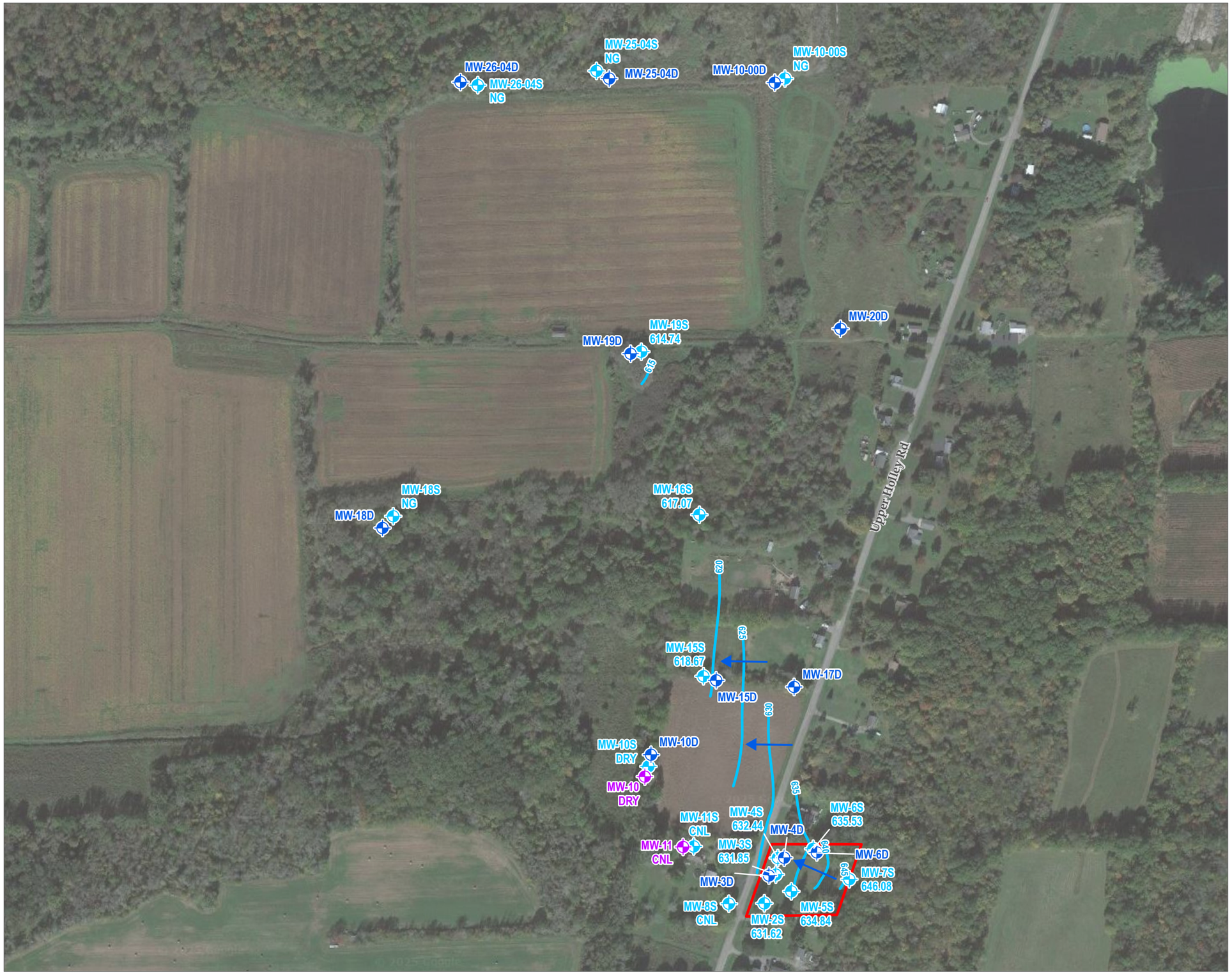

LEGEND

- TAX PARCEL BOUNDARY (109.-1-41)
- INFERRED GROUNDWATER ELEVATION CONTOUR (5-FOOT INTERVALS)
- INFERRED GROUNDWATER FLOW DIRECTION
- OVERBURDEN MONITORING WELL LOCATION
- SHALLOW BEDROCK MONITORING WELL LOCATION
- DEEP BEDROCK MONITORING WELL LOCATION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.

2. POTENTIOMETRIC SURFACE ELEVATIONS COLLECTED ON NOVEMBER 1, 2022.

3. MW-8S, MW-11, AND MW-11S HAVE HISTORICALLY NOT BEEN LOCATED.

4. MW-10-00S, MW-25-04S, AND MW-26-04S ARE MONITORED TRIENNIALLY.

ACRONYMS:
CNL - COULD NOT BE LOCATED
NG - NOT GAUGED

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY, 2023
DATA SOURCES: TRC

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1" = 330'
0 165 330
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PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

TITLE:
SHALLOW GROUNDWATER SURFACE ELEVATIONS AND FLOW MAP - NOVEMBER 2022

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS		**FIGURE 5A**
APPROVED BY:	B. GREENE		
DATE:	APRIL 2025		

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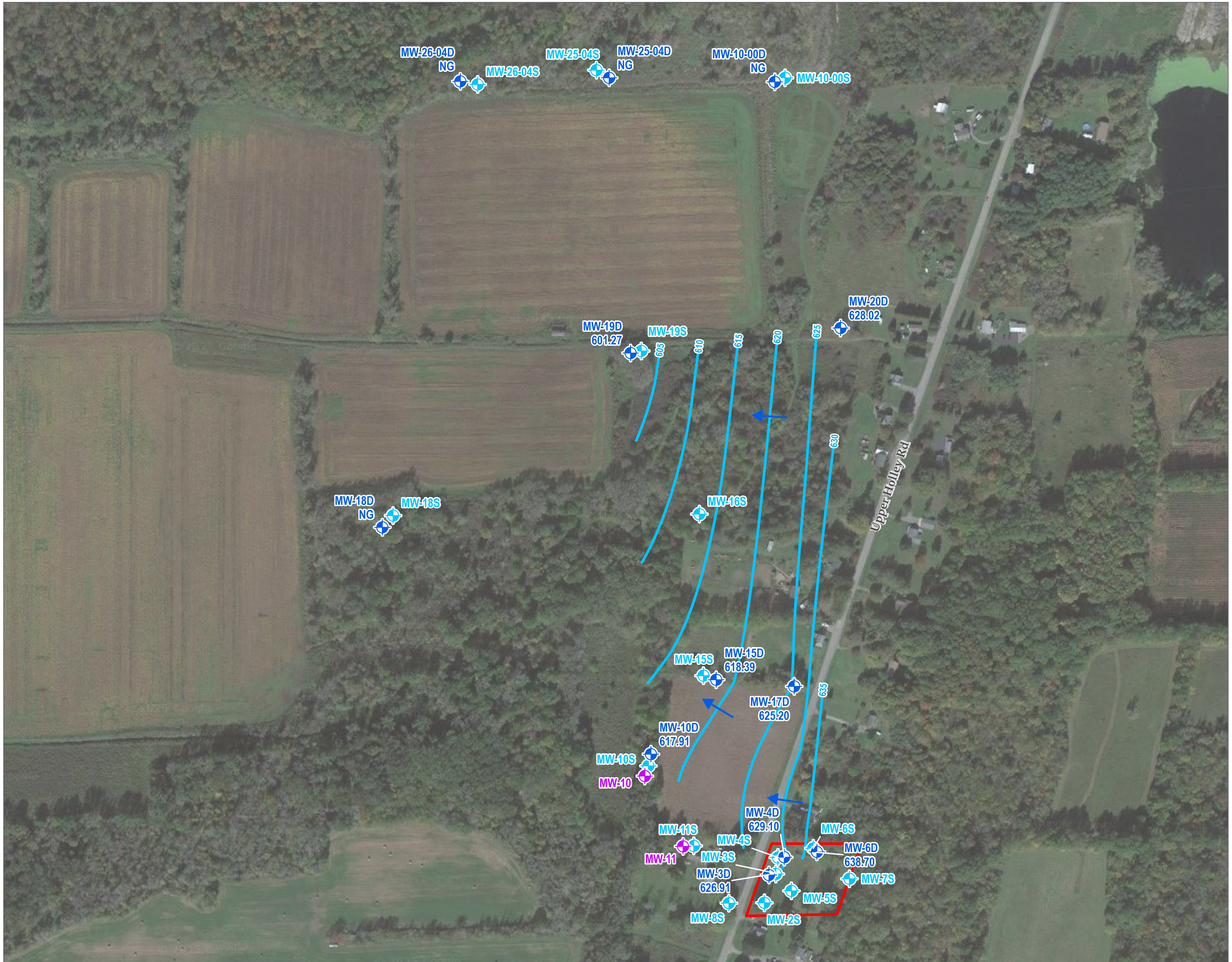

LEGEND

- TAX PARCEL BOUNDARY (109.-1-41)
- INFERRED GROUNDWATER ELEVATION CONTOUR (5-FOOT INTERVALS)
- INFERRED GROUNDWATER FLOW DIRECTION
- OVERBURDEN MONITORING WELL LOCATION
- SHALLOW BEDROCK MONITORING WELL LOCATION
- DEEP BEDROCK MONITORING WELL LOCATION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. POTENTIOMETRIC SURFACE ELEVATIONS COLLECTED ON NOVEMBER 1, 2022.
3. MW-10-00D, MW-25-04D, AND MW-26-04D ARE MONITORED TRIENNIALLY.

ACRONYMS:
NG - NOT GAUGED

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY, 2023
DATA SOURCES: TRC

N

1:3,960
1" = 330'
0 165 330 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

TITLE:
DEEP GROUNDWATER SURFACE ELEVATIONS AND FLOW MAP - NOVEMBER 2022

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS	FIGURE 5B	
APPROVED BY:	B. GREENE		
DATE:	APRIL 2025		

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Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet; Map Rotation: 0
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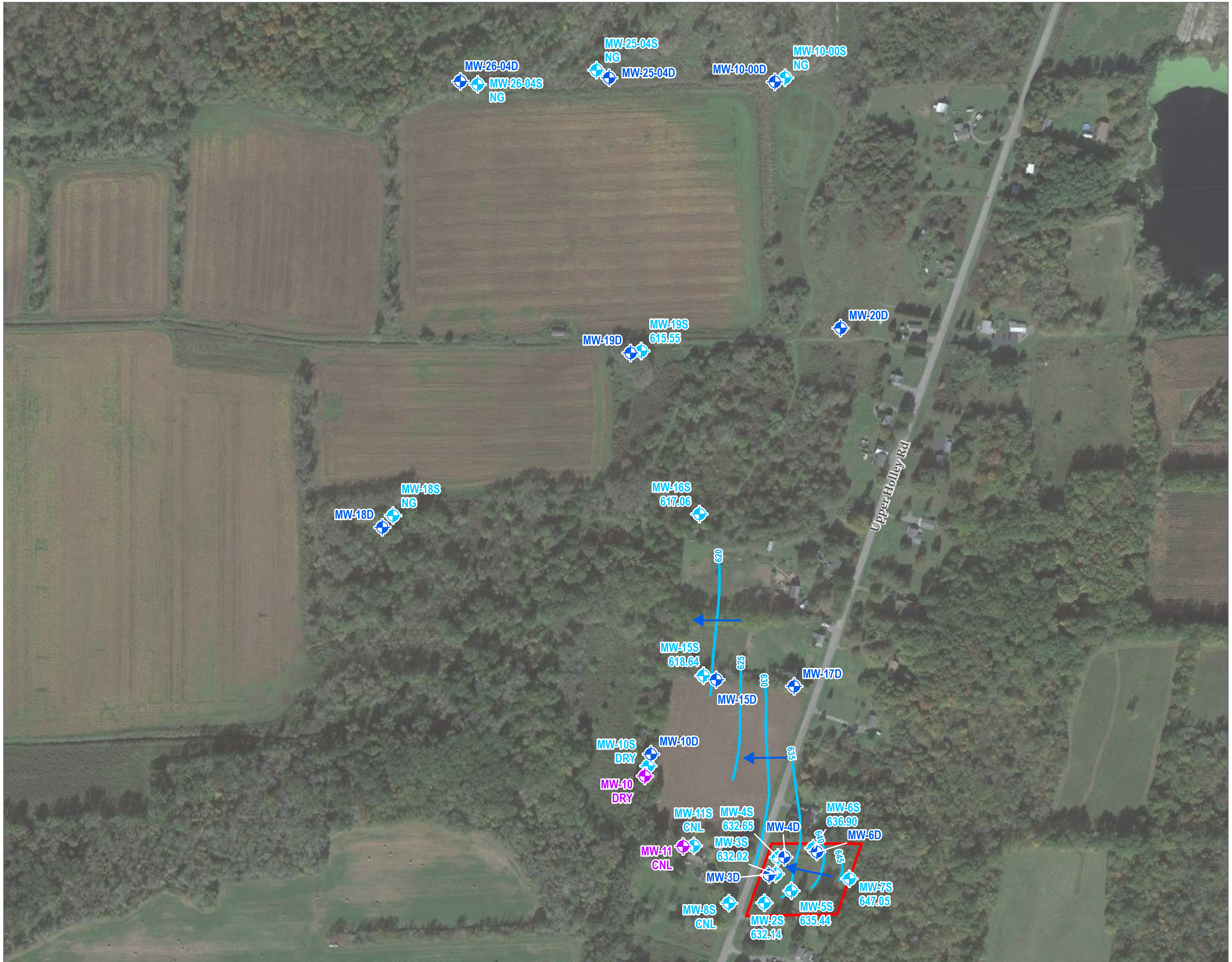

LEGEND

- TAX PARCEL BOUNDARY (109.-1-41)
- INFERRED GROUNDWATER ELEVATION CONTOUR (5-FOOT INTERVALS)
- INFERRED GROUNDWATER FLOW DIRECTION
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- DEEP BEDROCK MONITORING WELL LOCATION

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. POTENTIOMETRIC SURFACE ELEVATIONS COLLECTED ON NOVEMBER 7, 2024.
3. MW-8S, MW-11, AND MW-11S HAVE HISTORICALLY NOT BEEN LOCATED.
4. MW-10-00S, MW-25-04S, AND MW-26-04S ARE MONITORED TRIENNIALLY.

ACRONYMS:
CNL - COULD NOT BE LOCATED
NG - NOT GAUGED

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY, 2023
DATA SOURCES: TRC

N

1:3,960
1" = 330'
0 165 330 FEET

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HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

TITLE:
SHALLOW GROUNDWATER SURFACE ELEVATIONS AND FLOW MAP - NOVEMBER 2024

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS	FIGURE 6A	
APPROVED BY:	B. GREENE		
DATE:	APRIL 2025		

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CLIFTON PARK, NY 12065
PHONE: 518.348.1190

FILE: 2025_PRR.aprx

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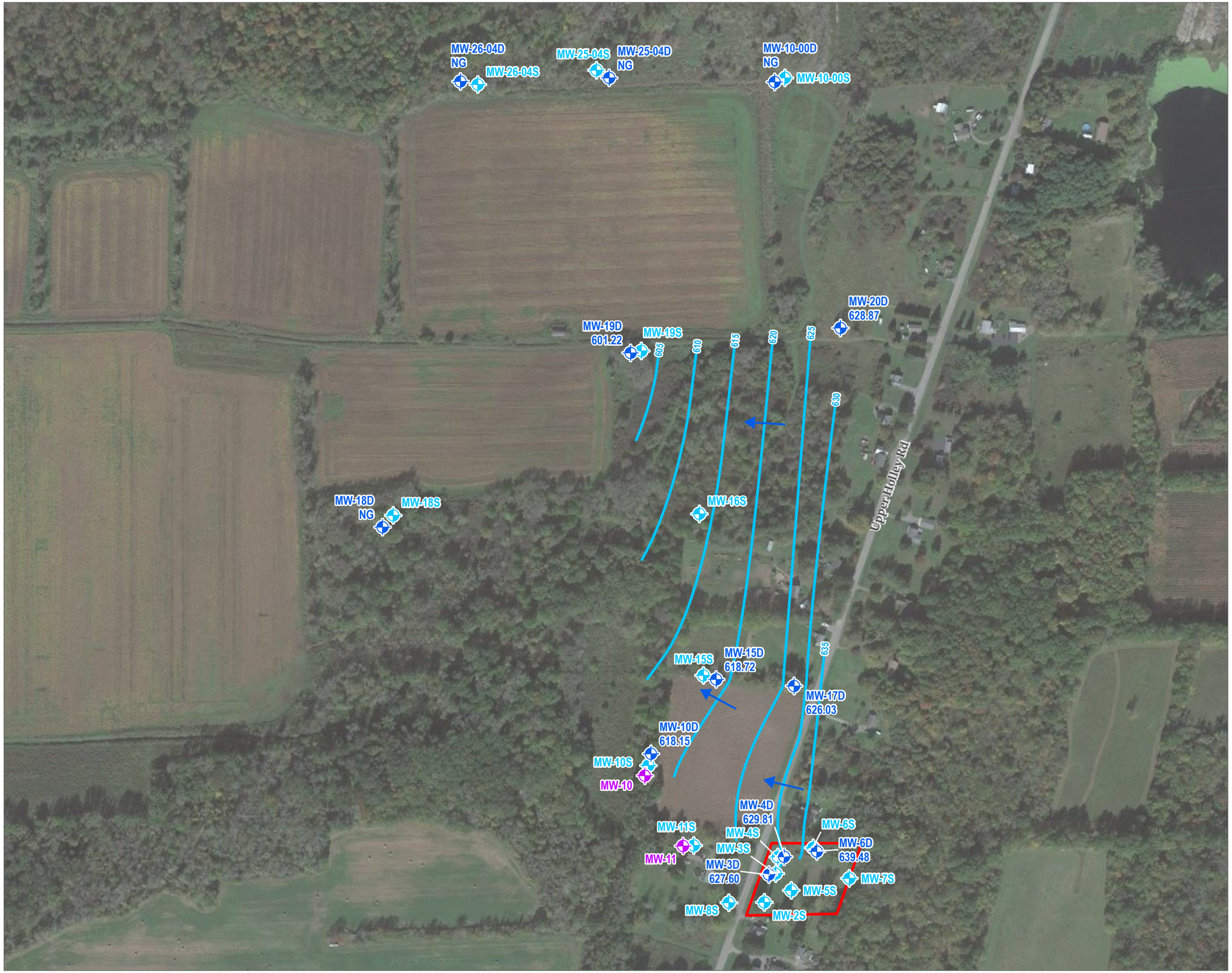

LEGEND

- TAX PARCEL BOUNDARY (109.-1-41)
- INFERRED GROUNDWATER ELEVATION CONTOUR (5-FOOT INTERVALS)
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NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. POTENTIOMETRIC SURFACE ELEVATIONS COLLECTED ON NOVEMBER 7, 2024.
3. MW-10-00D, MW-25-04D, AND MW-26-04D ARE MONITORED TRIENNIALLY.

ACRONYMS:
NG - NOT GAUGED

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY, 2023
DATA SOURCES: TRC

1:3,960
1" = 330'
0 165 330 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

TITLE:
DEEP GROUNDWATER SURFACE ELEVATIONS AND FLOW MAP - NOVEMBER 2024

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS		FIGURE 6B
APPROVED BY:	B. GREENE		
DATE:	APRIL 2025		

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Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet Map Rotation: 0
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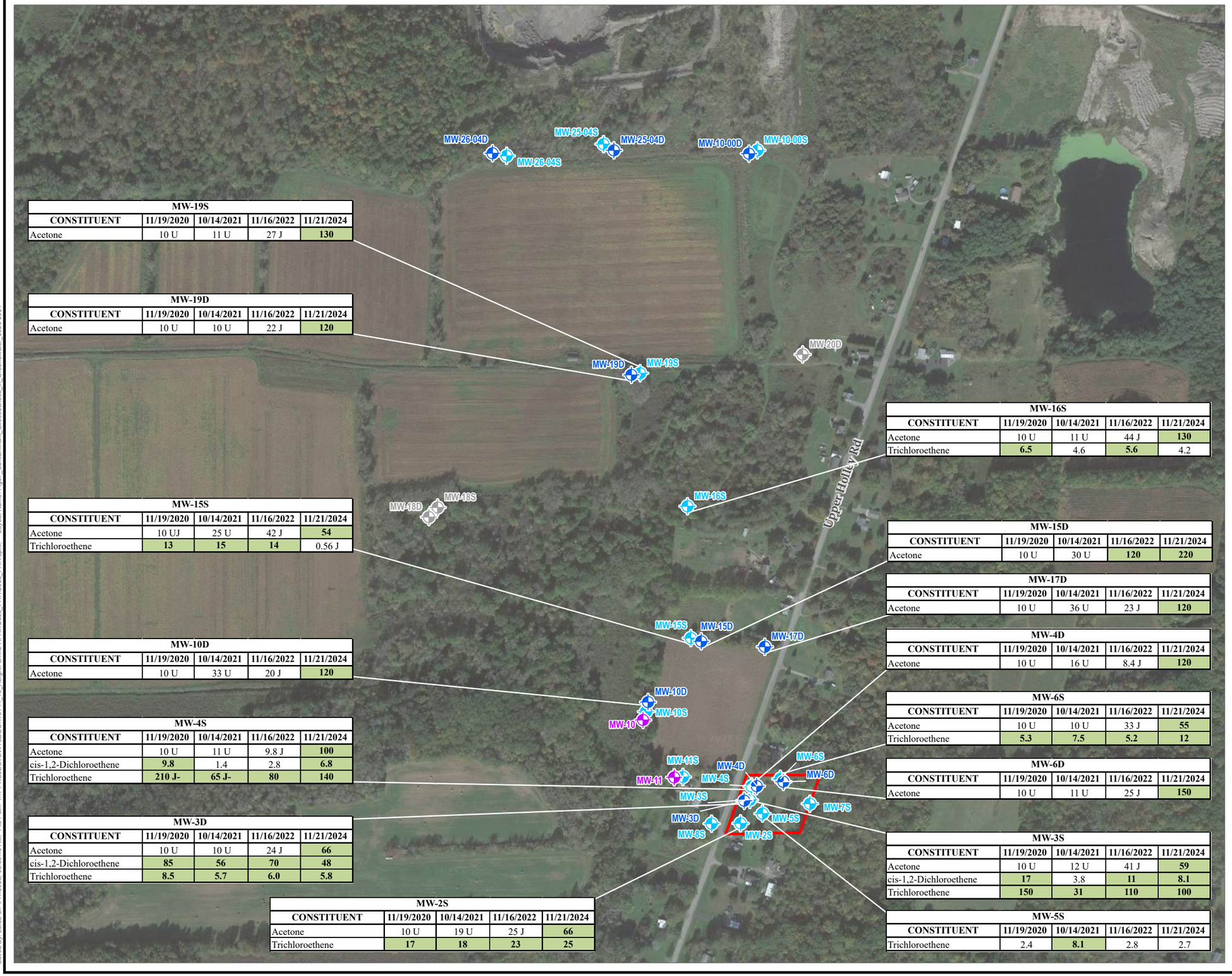

MW-19S				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	11 U	27 J	**130**

MW-19D				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	10 U	22 J	**120**

MW-15S				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 UJ	25 U	42 J	**54**
Trichloroethene	**13**	**15**	**14**	0.56 J

MW-10D				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	33 U	20 J	**120**

MW-4S				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	11 U	9.8 J	**100**
cis-1,2-Dichloroethene	**9.8**	1.4	2.8	**6.8**
Trichloroethene	**210 J-**	**65 J-**	**80**	**140**

MW-3D				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	10 U	24 J	**66**
cis-1,2-Dichloroethene	**85**	**56**	**70**	**48**
Trichloroethene	**8.5**	**5.7**	**6.0**	**5.8**

MW-2S				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	19 U	25 J	**66**
Trichloroethene	**17**	**18**	**23**	**25**

MW-16S				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	11 U	44 J	**130**
Trichloroethene	**6.5**	4.6	**5.6**	4.2

MW-15D				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	30 U	**120**	**220**

MW-17D				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	36 U	23 J	**120**

MW-4D				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	16 U	8.4 J	**120**

MW-6S				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	10 U	33 J	**55**
Trichloroethene	**5.3**	**7.5**	**5.2**	**12**

MW-6D				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	11 U	25 J	**150**

MW-3S				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Acetone	10 U	12 U	41 J	**59**
cis-1,2-Dichloroethene	**17**	3.8	**11**	**8.1**
Trichloroethene	**150**	**31**	**110**	**100**

MW-5S				
CONSTITUENT	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Trichloroethene	2.4	**8.1**	2.8	2.7

LEGEND

- TAX PARCEL BOUNDARY (342600 109.-1-41)
- OVERBURDEN MONITORING WELL LOCATION
- SHALLOW BEDROCK MONITORING WELL LOCATION
- DEEP BEDROCK MONITORING WELL LOCATION
- MONITORING WELL NOT INCLUDED IN THE SITE SAMPLING NETWORK

CONSTITUENT	Class GA Value*
VOCs	µg/L
Acetone	50
cis-1,2-Dichloroethene	5
Trichloroethene	5

NOTES:

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. ONLY COMPOUNDS WHICH EXCEED CLASS GA VALUES ARE SHOWN IN DATA BOXES.
3. **SHADING INDICATES RESULT ABOVE CLASS GA VALUE.**
4. DATA RESULTS ARE IN MICROGRAMS PER LITER (µg/L).
5. ACETONE RESULTS FOR THE NOVEMBER 2020 AND OCTOBER 2021 GROUNDWATER SAMPLING EVENTS WERE DEEMED NON-DETECT, DUE TO HIGH CONCENTRATIONS FOUND IN THE LAB EQUIPMENT BLANK CONTAMINATION.

ACRONYMS:
µg/L - MICROGRAMS PER LITER
U - ANALYTE WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT
J - ESTIMATED VALUE
J- - ESTIMATED VALUE; BIASED LOW
* - NYSDEC AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUE FOR CLASS GA WATER, JUNE 1998 WITH THE FEBRUARY 2023 ADDENDUM

BASE MAP: GOOGLE EARTH SERVICE LAYER DATED MAY, 2023
DATA SOURCES: TRC

1:4,800
1" = 400'
0 200 400 FEET

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HAIGHT FARM SITE - SITE NO. 837006
CLARENDON, NEW YORK

TITLE:
CONTAMINANT EXCEEDANCES IN GROUNDWATER - 2020-2024

DRAWN BY:	L. LILL	PROJ. NO.:	470744 TASK 20
CHECKED BY:	M. WELLS		FIGURE 7
APPROVED BY:	B. GREENE		
DATE:	APRIL 2025		

TRC
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Stored By: LLILL on 4/1/2025 08:35:13 AM; File Path: I:\TV-PROJECTS\NYSDEC\470744_19_HaightFarm\2-A\RPX\2025_PRR\2025_PRR.aprx; Layout Name: Fig07_Contaminant_Exceedances_in_Groundwater_2020-2024

TABLES

Table 1
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Monitoring Well Construction Details

Well ID	Installation Date	Well Diameter (inches)	Well Material	Screened Formation	*Screen*			*Elevation (feet AMSL)*				*Location*	
					Top (feet bgs)	Bottom (feet bgs)	Length (feet)	Top of Casing **	Ground Surface	Screen		Northing (feet)	Easting (feet)
										Top	Bottom		
MW-2S	Nov-90	2	PVC	Dolostone	15.00	25.00	10	650.49	648.72	633.72	623.72	4784734	737842
MW-3S	Nov-90	2	PVC	Dolostone	16.50	26.50	10	649.67	647.48	630.98	620.98	4784774	737855
MW-3D	Nov-90	4	Steel	Dolostone	27.80	58.00	30.2*	649.83	647.82	620.02	589.82	4784775	737864
MW-4S	Nov-90	2	PVC	Dolostone	16.00	26.00	10	649.72	647.31	631.31	621.31	4784759	737848
MW-4D	Nov-90	4	Steel	Dolostone	28.00	56.50	28.5*	649.39	647.54	619.54	591.04	4784759	737855
MW-5S	Nov-90	2	PVC	Dolostone	13.50	23.50	10	652.23	649.87	636.37	626.37	4784728	737870
MW-6S	Nov-90	2	PVC	Dolostone	16.00	26.00	10	656.12	653.62	637.62	627.62	4784776	737895
MW-6D	Nov-90	4	Steel	Dolostone	27.00	42.00	15*	656.36	654.53	627.53	612.53	4784779	737897
MW-7S	Dec-95	4	Steel	Dolostone	12.70	30.00	17.3*	662.37	660.80	648.10	630.80	4784734	737951
MW-8S	Dec-95	2	PVC	Dolostone	13.20	33.20	20	648.68	646.83	633.63	613.63	4784692	737801
MW-10	Dec-95	2	PVC	Gravel/Fractured bedrock	4.70	9.70	5	639.15	637.22	632.52	627.52	4784844	737723
MW-10S	Dec-95	4	Steel	Dolostone	12.00	22.00	10*	639.32	637.35	625.35	615.35	4784847	737723
MW-10D	Dec-95	4	Steel	Dolostone	40.00	59.20	19.2*	639.27	637.04	597.04	577.84	4784850	737725
MW-11	Dec-95	2	PVC	Gravel/Fractured bedrock	5.00	10.00	5	639.90	638.44	633.44	628.44	4784789	737741
MW-11S	Dec-95	4	Steel	Dolostone	11.00	22.00	11	640.08	638.14	627.14	616.14	4784786	737741
MW-15S	Nov-00	2	PVC	Dolostone	12.30	22.30	10	640.44	638.33	626.03	616.03	4784956	737767
MW-15D	Nov-00	4	Steel	Dolostone	24.80	54.00	29.2*	640.12	638.31	613.51	584.31	4784956	737769
MW-16S	Nov-00	2	PVC	Dolostone	15.60	25.60	10	640.98	637.95	622.35	612.35	4785120	737766
MW-17D	Oct-04	2	PVC	Dolostone	39.00	59.00	20	644.44	642.50	603.50	583.50	4784945	737873
MW-18S	Oct-04	2	PVC	Dolostone	17.50	27.50	10	638.96	636.90	619.40	609.40	4785117	737603
MW-18D	Oct-04	2	PVC	Dolostone	43.50	58.50	15	639.07	637.00	593.50	578.50	4785127	737607
MW-19S	Oct-04	2	PVC	Dolostone	18.80	28.80	10	637.95	635.30	616.50	606.50	4785293	737687
MW-19D	Oct-04	2	PVC	Dolostone	44.00	59.00	15	637.89	635.20	591.20	576.20	4785294	737694
MW-20D	Oct-04	2	PVC	Dolostone	44.50	59.50	15	645.14	642.70	598.20	583.20	4785317	737917
MW-10-00S	NA	NA	NA	Dolostone	NA	20.05	NA	641.58	641.58	NA	621.53	4785584	737772
MW-10-00D	NA	NA	NA	Dolostone	NA	56.85	NA	640.87	640.87	NA	584.02	4785590	737790
MW-25-04S	NA	NA	NA	Dolostone	NA	39.73	NA	645.81	643.78	NA	604.05	4785594	737622
MW-25-04D	NA	NA	NA	Dolostone	NA	71.16	NA	645.12	643.47	NA	572.31	4785594	737636
MW-26-04S	NA	NA	NA	Dolostone	NA	40.83	NA	644.75	641.76	NA	600.93	4785549	737409
MW-26-04D	NA	NA	NA	Dolostone	NA	70.20	NA	644.98	642.20	NA	572.00	4785550	737425

Notes

AMSL : above mean sea level
feet bgs : feet below ground surface
NA : Not available
* : open bedrock corehole without well screen
** : Top of inner most casing/riser

Table 2
New York State Department of Environmental Conservation
Haight Farm Site - Site No. 837006
Clarendon, New York
Summary of Depth to Water Measurements and Groundwater Elevations

Well Identification	Screened Formation	TOC Elevation (feet AMSL)	Gauge Date	Depth to Water (feet below top of casing)	Depth to Bottom (feet below top of casing)	Groundwater Elevation (feet AMSL)
MW-2S	dolostone	650.49	11/19/2020	18.08	20.24	632.41
			8/24/2021	17.34	27.14	633.15
			11/1/2022	18.87	26.72	631.62
			11/7/2024	18.35	26.82	632.14
MW-3S	dolostone	649.67	11/19/2020	17.52	28.82	632.15
			8/24/2021	17.15	29.36	632.52
			11/1/2022	17.82	28.82	631.85
			11/7/2024	17.65	28.93	632.02
MW-3D	dolostone	649.83	11/19/2020	22.23	59.00	627.60
			8/24/2021	21.02	60.42	628.81
			11/1/2022	22.92	57.92	626.91
			11/7/2024	22.23	58.04	627.60
MW-4S	dolostone	649.72	11/19/2020	16.76	49.85	632.96
			8/24/2021	16.18	25.35	633.54
			11/1/2022	17.28	24.87	632.44
			11/7/2024	17.07	24.97	632.65
MW-4D	dolostone	649.39	11/19/2020	19.56	49.85	629.83
			8/24/2021	18.41	51.80	630.98
			11/1/2022	20.29	59.43	629.10
			11/7/2024	19.58	59.57	629.81
MW-5S	dolostone	652.23	11/19/2020	16.19	19.54	636.04
			8/24/2021	15.37	26.00	636.86
			11/1/2022	17.39	25.84	634.84
			11/7/2024	16.79	25.98	635.44
MW-6S	dolostone	656.12	11/19/2020	19.21	28.29	636.91
			8/24/2021	18.91	28.69	637.21
			11/1/2022	20.59	28.24	635.53
			11/7/2024	19.22	28.35	636.90
MW-6D	dolostone	656.36	11/19/2020	17.11	41.86	639.25
			8/24/2021	14.89	42.92	641.47
			11/1/2022	17.66	41.19	638.70
			11/7/2024	16.88	41.33	639.48
MW-7S	dolostone	662.37	11/19/2020	13.17	31.70	649.20
			8/24/2021	13.36	32.58	649.01
			11/1/2022	16.29	31.28	646.08
			11/7/2024	15.32	31.35	647.05
MW-8S	dolostone	648.68	11/19/2020	Not Located	Not Located	Not Located
			8/24/2021	Not Located	Not Located	Not Located
			11/1/2022	Not Located	Not Located	Not Located
			11/7/2024	Not Located	Not Located	Not Located
MW-10	gravel/bedrock	639.15	11/19/2020	Dry	11.65	Dry
			8/24/2021	11.49	11.68	627.66
			11/1/2022	Dry	11.55	Dry
			11/7/2024	Dry	11.55	Dry
MW-10S	dolostone	639.32	11/19/2020	Dry	22.50	Dry
			8/24/2021	17.76	22.41	621.56
			11/1/2022	Dry	21.89	Dry
			11/7/2024	Dry	21.89	Dry
MW-10D	dolostone	639.27	11/19/2020	21.09	58.91	618.18
			8/24/2021	17.34	63.24	621.93
			11/1/2022	21.36	60.97	617.91
			11/7/2024	21.12	61.00	618.15
MW-11	gravel/bedrock	639.90	11/19/2020	Not Located	Not Located	Not Located
			8/24/2021	Not Located	Not Located	Not Located
			11/1/2022	Not Located	Not Located	Not Located
			11/7/2024	Not Located	Not Located	Not Located
MW-11S	dolostone	640.08	11/19/2020	Not Located	Not Located	Not Located
			8/24/2021	Not Located	Not Located	Not Located
			11/1/2022	Not Located	Not Located	Not Located
			11/7/2024	Not Located	Not Located	Not Located

Notes:
AMSL : Above Mean Sea Level
Triennial groundwater monitoring (inclusion of quarry wells MW-10-00S, MW-10-00D, MW-25-04S, MW-25-04D, MW-26-04S, and MW-26-04D) was conducted in November 2020.

Table 2
New York State Department of Environmental Conservation
Haight Farm Site - Site No. 837006
Clarendon, New York
Summary of Depth to Water Measurements and Groundwater Elevations

Well Identification	Screened Formation	TOC Elevation (feet AMSL)	Gauge Date	Depth to Water (feet below top of casing)	Depth to Bottom (feet below top of casing)	Groundwater Elevation (feet AMSL)
MW-15S	dolostone	640.44	11/19/2020	21.79	25.76	618.65
			8/24/2021	18.95	25.46	621.49
			11/1/2022	21.77	24.56	618.67
			11/7/2024	21.80	24.65	618.64
MW-15D	dolostone	640.12	11/19/2020	21.34	56.08	618.78
			8/24/2021	18.46	57.63	621.66
			11/1/2022	21.73	55.09	618.39
			11/7/2024	21.40	55.20	618.72
MW-16S	dolostone	640.98	11/19/2020	23.94	29.40	617.04
			8/24/2021	19.78	NG	621.20
			11/1/2022	23.91	28.75	617.07
			11/7/2024	23.92	28.85	617.06
MW-17D	dolostone	644.44	11/19/2020	18.31	57.15	626.13
			8/24/2021	17.06	58.35	627.38
			11/1/2022	19.24	57.13	625.20
			11/7/2024	18.41	57.10	626.03
MW-18S	dolostone	638.96	11/19/2020	Not Gauged	Not Gauged	Not Gauged
			8/24/2021	Not Gauged	Not Gauged	Not Gauged
			11/1/2022	Not Gauged	Not Gauged	Not Gauged
			11/7/2024	Not Gauged	Not Gauged	Not Gauged
MW-18D	dolostone	639.07	11/19/2020	Not Gauged	Not Gauged	Not Gauged
			8/24/2021	Not Gauged	Not Gauged	Not Gauged
			11/1/2022	Not Gauged	Not Gauged	Not Gauged
			11/7/2024	Not Gauged	Not Gauged	Not Gauged
MW-19S	dolostone	637.95	11/19/2020	22.54	31.01	615.41
			8/24/2021	17.44	31.21	620.51
			11/1/2022	23.21	30.78	614.74
			11/7/2024	22.40	30.90	615.55
MW-19D	dolostone	637.89	11/19/2020	33.81	62.92	604.08
			8/24/2021	31.08	63.25	606.81
			11/1/2022	36.62	61.89	601.27
			11/7/2024	36.67	61.97	601.22
MW-20D	dolostone	645.15	11/19/2020	Not Gauged	Not Gauged	Not Gauged
			8/24/2021	13.51	63.02	631.64
			11/1/2022	17.13	61.46	628.02
			11/7/2024	16.28	61.50	628.87
MW-10-00S	dolostone	641.58	11/19/2020	Not Located	Not Located	Not Located
			8/24/2021	Not Gauged	Not Gauged	Not Gauged
			11/1/2022	Not Gauged	Not Gauged	Not Gauged
			11/7/2024	Not Gauged	Not Gauged	Not Gauged
MW-10-00D	dolostone	640.87	11/19/2020	22.18	47.10	618.69
			8/24/2021	Not Gauged	Not Gauged	Not Gauged
			11/1/2022	Not Gauged	Not Gauged	Not Gauged
			11/7/2024	Not Gauged	Not Gauged	Not Gauged
MW-25-04S	dolostone	645.81	11/19/2020	Not Located	Not Located	Not Located
			8/24/2021	Not Gauged	Not Gauged	Not Gauged
			11/1/2022	Not Gauged	Not Gauged	Not Gauged
			11/7/2024	Not Gauged	Not Gauged	Not Gauged
MW-25-04D	dolostone	645.12	11/19/2020	Not Located	Not Located	Not Located
			8/24/2021	Not Gauged	Not Gauged	Not Gauged
			11/1/2022	Not Gauged	Not Gauged	Not Gauged
			11/7/2024	Not Gauged	Not Gauged	Not Gauged
MW-26-04S	dolostone	644.75	11/19/2020	Dry	22.30	Dry
			8/24/2021	Not Gauged	Not Gauged	Not Gauged
			11/1/2022	Not Gauged	Not Gauged	Not Gauged
			11/7/2024	Not Gauged	Not Gauged	Not Gauged
MW-26-04D	dolostone	644.98	11/19/2020	48.36	55.19	596.62
			8/24/2021	Not Gauged	Not Gauged	Not Gauged
			11/1/2022	Not Gauged	Not Gauged	Not Gauged
			11/7/2024	Not Gauged	Not Gauged	Not Gauged

Notes:
AMSL : Above Mean Sea Level
Triennial groundwater monitoring (inclusion of quarry wells MW-10-00S, MW-10-00D, MW-25-04S, MW-25-04D, MW-26-04S, and MW-26-04D) was conducted in November 2020.

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-2S**			**MW-3D**			
			Sample Name:	HF-MW-2S	HF-MW-2S	MW-2S	MW-2S	HF-MW-3D	HF-MW-3D	MW-3D	MW-3D
			Lab Sample Identification:	480-178504-7	480-190941-1	22K2572-02	24K1934-10	480-178504-3	480-190941-4	22K2572-07	24K1934-04
			Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
VOCs										
1,1,1-Trichloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U
1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon 113)	ug/L	5	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,1-Dichloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U
1,1-Dichloroethene	ug/L	5	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U	< 1.0 U	< 1.0 UJ	**0.31 J**	**0.21 J**
1,2,3-Trichlorobenzene	ug/L	5	NA	NA	< 0.3 U	< 5 U	NA	NA	< 0.3 U	< 5 U
1,2,3-Trichloropropane	ug/L	0.04	NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
1,2,4-Trichlorobenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U
1,2,4-Trimethylbenzene	ug/L	5	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	0.04	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.0006	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
1,2-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,2-Dichloroethane	ug/L	0.6	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U
1,2-Dichloropropane	ug/L	1	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	5	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,3-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,4-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U
1,4-Dioxane	ug/L	NC	< 40 U	< 40 U	< 21 U	NA	< 40 U	< 40 U	< 21 U	NA
2-Butanone (MEK)	ug/L	50	< 12 U	< 10 U	< 1.6 U	< 20 U	< 13 U	< 10 U	< 1.6 U	< 20 U
2-Hexanone	ug/L	50	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U
4-Isopropyltoluene	ug/L	5	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
4-Methyl-2-pentanone	ug/L	NC	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U
Acetone	ug/L	50	< 10 U	< 19 U	**25 J**	**66**	< 10 U	< 10 U	**24 J**	**66**
Benzene	ug/L	1	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U
Bromochloromethane	ug/L	5	NA	NA	< 0.31 U	< 1 U	NA	NA	< 0.31 U	< 1 U
Bromodichloromethane	ug/L	50	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U
Bromoform	ug/L	50	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U
Bromomethane	ug/L	5	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U
Carbon disulfide	ug/L	60	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U
Carbon tetrachloride	ug/L	5	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U
Chlorobenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
Chloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U
Chloroform	ug/L	7	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U
Chloromethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5	< 1.0 U	< 1.0 U	**0.55 J**	**0.56 J**	**85**	**56**	**70**	**48**
cis-1,3-Dichloropropene	ug/L	0.4	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U
Cyclohexane	ug/L	NC	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U
Dibromochloromethane	ug/L	50	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U
Dichlorodifluoromethane	ug/L	5	< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U	< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U
Ethylbenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-2S**			**MW-3D**			
			Sample Name:	HF-MW-2S	HF-MW-2S	MW-2S	MW-2S	HF-MW-3D	HF-MW-3D	MW-3D	MW-3D
			Lab Sample Identification:	480-178504-7	480-190941-1	22K2572-02	24K1934-10	480-178504-3	480-190941-4	22K2572-07	24K1934-04
			Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***		**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
Isopropylbenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
m,p-Xylene	ug/L	5		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
Methyl acetate	ug/L	NC		< 2.5 U	< 2.5 U	< 0.45 U	< 1 U	< 2.5 U	< 2.5 U	< 0.45 U	< 1 U
Methyl tert-butyl ether	ug/L	10		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
Methylcyclohexane	ug/L	NC		< 1.0 U	< 1.0 U	< 0.24 U	< 1 U	< 1.0 U	< 1.0 U	< 0.24 U	< 1 U
Methylene chloride	ug/L	5		< 1.0 U	< 1.0 U	< 0.23 U	< 5 U	< 1.0 U	< 1.0 U	< 0.23 U	< 5 U
Naphthalene	ug/L	10		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
n-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
n-Propylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
o-Xylene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
sec-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Styrene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
tert-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Tetrachloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.19 U	< 1 U	< 1.0 U	< 1.0 U	< 0.19 U	< 1 U
Toluene	ug/L	5		< 1.0 U	< 1.0 U	< 0.22 U	< 1 U	< 1.0 U	< 1.0 U	< 0.22 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	**2.5**	**2.1**	**2.1**	**2**
trans-1,3-Dichloropropene	ug/L	0.4		< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
Trichloroethene	ug/L	5		**17**	**18**	**23**	**25**	**8.5**	**5.7**	**6.0**	**5.8**
Trichlorofluoromethane	ug/L	5		< 1.0 U	< 1.0 UJ	< 0.18 U	< 2 U	< 1.0 U	< 1.0 UJ	< 0.18 U	< 2 U
Vinyl chloride	ug/L	2		< 1.0 U	< 1.0 U	< 0.21 U	< 2 U	< 1.0 U	< 1.0 U	< 0.21 U	< 2 U
Xylenes, total	ug/L	5		< 2.0 U	< 2.0 U	< 1 U	< 1 U	< 2.0 U	< 2.0 U	< 1 U	< 1 U
VOC TICs											
Isopropanol	ug/L	NC		NA	NA	NA	**52**	NA	NA	NA	**57**

Notes:

ug/L - micrograms per liter.

Q - Lab Qualifier.

J - Estimated value.

J- - Estimated value; biased low.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC standards exist for this analyte.

R - Rejected data point.

Sample DUP 01 collected on November 16, 2022 is a duplicate sample of MW-4S.

Sample DUP-01 collected on November 21, 2024 is a duplicate sample of MW-7S.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed Guidance value.

VOCs - Volatile Organic Compounds.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the February 2023 Addendum.

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-3S**			**MW-4D**			
			Sample Name:	HF-MW-3S	HF-MW-3S	MW-3S	MW-3S	HF-MW-4D	HF-MW-4D	MW-4D	MW-4D
			Lab Sample Identification:	480-178504-4	480-190941-5	22K2572-06	24K1934-05	480-178504-6	480-190941-2	22K2572-05	24K1934-03
			Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***		**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
VOCs											
1,1,1-Trichloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U
1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon 113)	ug/L	5		< 1.0 U	< 1.0 U	< 0.23 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U
1,1,2-Trichloroethane	ug/L	1		< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,1-Dichloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.14 U	< 1 U	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U
1,1-Dichloroethene	ug/L	5		< 1.0 U	< 1.0 U	**0.2 J**	< 1 U	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	5		NA	NA	< 0.3 U	< 5 U	NA	NA	< 0.3 U	< 5 U
1,2,3-Trichloropropane	ug/L	0.04		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
1,2,4-Trichlorobenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.25 U	< 1 U	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U
1,2,4-Trimethylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	0.04		< 1.0 U	< 1.0 U	< 0.8 U	< 5 U	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.0006		< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
1,2-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,2-Dichloroethane	ug/L	0.6		< 1.0 U	< 1.0 U	< 0.31 U	< 1 U	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U
1,2-Dichloropropane	ug/L	1		< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,3-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,4-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 0.13 U	< 1 U	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U
1,4-Dioxane	ug/L	NC		< 40 U	< 40 R	< 21 U	NA	< 40 U	< 40 U	< 21 U	NA
2-Butanone (MEK)	ug/L	50		< 10 U	< 10 U	< 1.6 U	< 20 U	< 12 U	< 10 U	< 1.6 U	< 20 U
2-Hexanone	ug/L	50		< 5.0 U	< 5.0 UJ	< 1.1 U	< 10 U	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U
4-Isopropyltoluene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
4-Methyl-2-pentanone	ug/L	NC		< 5.0 U	< 5.0 U	< 1.3 U	< 10 U	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U
Acetone	ug/L	50		< 10 U	< 12 U	**41 J**	**59**	< 10 U	< 16 U	**8.4 J**	**120**
Benzene	ug/L	1		< 1.0 U	< 1.0 U	< 0.2 U	< 1 U	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U
Bromochloromethane	ug/L	5		NA	NA	< 0.31 U	< 1 U	NA	NA	< 0.31 U	< 1 U
Bromodichloromethane	ug/L	50		< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U
Bromoform	ug/L	50		< 1.0 U	< 1.0 UJ	< 0.38 U	< 1 U	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U
Bromomethane	ug/L	5		< 1.0 U	< 1.0 UJ	< 1.5 U	< 2 U	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U
Carbon disulfide	ug/L	60		< 1.0 U	< 1.0 U	< 1.4 U	< 5 U	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U
Carbon tetrachloride	ug/L	5		< 1.0 U	< 1.0 U	< 0.16 U	< 5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U
Chlorobenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
Chloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.32 U	< 2 U	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U
Chloroform	ug/L	7		< 1.0 U	< 1.0 U	< 0.17 U	< 2 U	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U
Chloromethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.52 U	< 2 U	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5		**17**	3.8	**11**	**8.1**	< 1.0 U	< 1.0 U	< 0.15 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4		< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U
Cyclohexane	ug/L	NC		< 1.0 U	< 1.0 U	< 1.8 U	< 5 U	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U
Dibromochloromethane	ug/L	50		< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U
Dichlorodifluoromethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.19 U	< 2 U	< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U
Ethylbenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.21 U	< 1 U	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-3S**			**MW-4D**			
			Sample Name:	HF-MW-3S	HF-MW-3S	MW-3S	MW-3S	HF-MW-4D	HF-MW-4D	MW-4D	MW-4D
			Lab Sample Identification:	480-178504-4	480-190941-5	22K2572-06	24K1934-05	480-178504-6	480-190941-2	22K2572-05	24K1934-03
			Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***		**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
Isopropylbenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
m,p-Xylene	ug/L	5		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
Methyl acetate	ug/L	NC		< 2.5 U	< 2.5 U	< 0.45 U	< 1 U	< 2.5 U	< 2.5 U	< 0.45 U	< 1 U
Methyl tert-butyl ether	ug/L	10		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
Methylcyclohexane	ug/L	NC		< 1.0 U	< 1.0 U	**0.72 J**	< 1 U	< 1.0 U	< 1.0 U	< 0.24 U	< 1 U
Methylene chloride	ug/L	5		< 1.0 U	< 1.0 UJ	< 0.23 U	< 5 U	< 1.0 U	< 1.0 U	< 0.23 U	< 5 U
Naphthalene	ug/L	10		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
n-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
n-Propylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
o-Xylene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
sec-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Styrene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
tert-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Tetrachloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.19 U	< 1 U	< 1.0 U	< 1.0 U	< 0.19 U	< 1 U
Toluene	ug/L	5		< 1.0 U	< 1.0 U	< 0.22 U	< 1 U	< 1.0 U	< 1.0 U	< 0.22 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5		**1.1**	< 1.0 U	**0.96 J**	**0.78 J**	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
trans-1,3-Dichloropropene	ug/L	0.4		< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
Trichloroethene	ug/L	5		**150**	**31**	**110**	**100**	< 1.0 U	< 1.0 U	< 0.19 U	< 1 U
Trichlorofluoromethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.18 U	< 2 U	< 1.0 U	< 1.0 UJ	< 0.18 U	< 2 U
Vinyl chloride	ug/L	2		< 1.0 U	< 1.0 U	< 0.21 U	< 2 U	< 1.0 U	< 1.0 U	< 0.21 U	< 2 U
Xylenes, total	ug/L	5		< 2.0 U	< 2.0 U	< 1 U	< 1 U	< 2.0 U	< 2.0 U	< 1 U	< 1 U
VOC TICs											
Isopropanol	ug/L	NC		NA	NA	NA	**24**	NA	NA	NA	**59**

Notes:

ug/L - micrograms per liter.

Q - Lab Qualifier.

J - Estimated value.

J- - Estimated value; biased low.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC standards exist for this analyte.

R - Rejected data point.

Sample DUP 01 collected on November 16, 2022 is a duplicate sample of MW-4S.

Sample DUP-01 collected on November 21, 2024 is a duplicate sample of MW-7S.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed Guidance value.

VOCs - Volatile Organic Compounds.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the February 2023 Addendum.

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-4S**				**MW-5S**			
			Sample Name:	HF-MW-4S	HF-MW-4S	MW-4S	DUP 01	MW-4S	HF-MW-5S	HF-MW-5S	MW-5S	MW-5S
			Lab Sample Identification:	480-178504-5	480-190941-3	22K2572-03	22K2572-04	24K1934-02	480-178504-19	480-190941-8	22K2572-10	24K1934-08
			Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***		**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
VOCs												
1,1,1-Trichloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.17 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.13 U	< 0.13 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U
1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon 113)	ug/L	5		< 1.0 U	< 1.0 U	< 0.23 U	< 0.23 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U
1,1,2-Trichloroethane	ug/L	1		< 1.0 U	< 1.0 U	< 0.18 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,1-Dichloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.14 U	< 0.14 U	< 1 U	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U
1,1-Dichloroethene	ug/L	5		**0.29 J**	< 1.0 U	< 0.14 U	< 0.14 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	5		NA	NA	< 0.3 U	< 0.3 U	< 5 U	NA	NA	< 0.3 U	< 5 U
1,2,3-Trichloropropane	ug/L	0.04		NA	NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
1,2,4-Trichlorobenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.25 U	< 0.25 U	< 1 U	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U
1,2,4-Trimethylbenzene	ug/L	5		NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	0.04		< 1.0 U	< 1.0 U	< 0.8 U	< 0.8 U	< 5 U	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.0006		< 1.0 U	< 1.0 U	< 0.17 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
1,2-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 0.12 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,2-Dichloroethane	ug/L	0.6		< 1.0 U	< 1.0 U	< 0.31 U	< 0.31 U	< 1 U	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U
1,2-Dichloropropane	ug/L	1		< 1.0 U	< 1.0 U	< 0.18 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	5		NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,3-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 0.12 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,4-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 0.13 U	< 0.13 U	< 1 U	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U
1,4-Dioxane	ug/L	NC		< 40 U	< 40 R	< 21 U	< 21 U	NA	< 40 U	< 40 U	< 21 U	NA
2-Butanone (MEK)	ug/L	50		< 12 U	< 10 U	< 1.6 U	< 1.6 U	< 20 U	< 10 U	< 10 U	< 1.6 U	< 20 U
2-Hexanone	ug/L	50		< 5.0 U	< 5.0 UJ	< 1.1 U	< 1.1 U	< 10 U	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U
4-Isopropyltoluene	ug/L	5		NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
4-Methyl-2-pentanone	ug/L	NC		< 5.0 U	< 5.0 U	< 1.3 U	< 1.3 U	< 10 U	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U
Acetone	ug/L	50		< 10 U	< 11 U	**9.8 J**	**9.5 J**	**100**	**35**	< 18 U	**31 J**	**40 J**
Benzene	ug/L	1		< 1.0 U	< 1.0 U	< 0.2 U	< 0.2 U	< 1 U	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U
Bromochloromethane	ug/L	5		NA	NA	< 0.31 U	< 0.31 U	< 1 U	NA	NA	< 0.31 U	< 1 U
Bromodichloromethane	ug/L	50		< 1.0 U	< 1.0 U	< 0.18 U	< 0.18 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U
Bromoform	ug/L	50		< 1.0 U	< 1.0 UJ	< 0.38 U	< 0.38 U	< 1 U	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U
Bromomethane	ug/L	5		< 1.0 U	< 1.0 UJ	< 1.5 U	< 1.5 U	< 2 U	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U
Carbon disulfide	ug/L	60		< 1.0 U	< 1.0 U	< 1.4 U	< 1.4 U	< 5 U	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U
Carbon tetrachloride	ug/L	5		< 1.0 U	< 1.0 U	< 0.16 U	< 0.16 U	< 5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U
Chlorobenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
Chloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.32 U	< 0.32 U	< 2 U	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U
Chloroform	ug/L	7		< 1.0 U	< 1.0 U	< 0.17 U	< 0.17 U	< 2 U	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U
Chloromethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.52 U	< 0.52 U	< 2 U	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5		**9.8**	**1.4**	**2.8**	**2.9**	**6.8**	< 1.0 U	< 1.0 U	**0.62 J**	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4		< 1.0 U	< 1.0 UJ	< 0.16 U	< 0.16 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U
Cyclohexane	ug/L	NC		< 1.0 U	< 1.0 U	< 1.8 U	< 1.8 U	< 5 U	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U
Dibromochloromethane	ug/L	50		< 1.0 U	< 1.0 U	< 0.22 U	< 0.22 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U
Dichlorodifluoromethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.19 U	< 0.19 U	< 2 U	< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U
Ethylbenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.21 U	< 0.21 U	< 1 U	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

		Sample Location:	**MW-4S**					**MW-5S**						
		Sample Name:	HF-MW-4S	HF-MW-4S	MW-4S	DUP 01	MW-4S	HF-MW-5S	HF-MW-5S	MW-5S	MW-5S			
		Lab Sample Identification:	480-178504-5	480-190941-3	22K2572-03	22K2572-04	24K1934-02	480-178504-19	480-190941-8	22K2572-10	24K1934-08			
		Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024			
Analyte	**Unit**	**Class GA Values***	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Isopropylbenzene	ug/L	5	< 1.0	U	< 1.0	U	< 0.11	U	< 0.11	U	< 1	U	< 1.0	U	< 1.0	U	< 0.11	U	< 1	U
m,p-Xylene	ug/L	5	NA		NA		NA		NA		< 2	U	NA		NA		NA		< 2	U
Methyl acetate	ug/L	NC	< 2.5	U	< 2.5	U	< 0.45	U	< 0.45	U	< 1	U	< 2.5	U	< 2.5	U	< 0.45	U	< 1	U
Methyl tert-butyl ether	ug/L	10	< 1.0	U	< 1.0	U	< 0.17	U	< 0.17	U	< 1	U	< 1.0	U	< 1.0	U	< 0.17	U	< 1	U
Methylcyclohexane	ug/L	NC	< 1.0	U	< 1.0	U	< 0.24	U	< 0.24	U	< 1	U	< 1.0	U	< 1.0	U	< 0.24	U	< 1	U
Methylene chloride	ug/L	5	< 1.0	U	< 1.0	UJ	< 0.23	U	< 0.23	U	< 5	U	< 1.0	U	< 1.0	U	< 0.23	U	< 5	U
Naphthalene	ug/L	10	NA		NA		NA		NA		< 2	U	NA		NA		NA		< 2	U
n-Butylbenzene	ug/L	5	NA		NA		NA		NA		< 1	U	NA		NA		NA		< 1	U
n-Propylbenzene	ug/L	5	NA		NA		NA		NA		< 1	U	NA		NA		NA		< 1	U
o-Xylene	ug/L	5	NA		NA		NA		NA		< 1	U	NA		NA		NA		< 1	U
sec-Butylbenzene	ug/L	5	NA		NA		NA		NA		< 1	U	NA		NA		NA		< 1	U
Styrene	ug/L	5	< 1.0	U	< 1.0	U	< 0.11	U	< 0.11	U	< 1	U	< 1.0	U	< 1.0	U	< 0.11	U	< 1	U
tert-Butylbenzene	ug/L	5	NA		NA		NA		NA		< 1	U	NA		NA		NA		< 1	U
Tetrachloroethene	ug/L	5	< 1.0	U	< 1.0	U	< 0.19	U	< 0.19	U	< 1	U	< 1.0	U	< 1.0	U	< 0.19	U	< 1	U
Toluene	ug/L	5	< 1.0	U	< 1.0	U	< 0.22	U	< 0.22	U	< 1	U	< 1.0	U	< 1.0	U	< 0.22	U	< 1	U
trans-1,2-Dichloroethene	ug/L	5	< 1.0	U	< 1.0	U	< 0.17	U	< 0.17	U	< 1	U	< 1.0	U	< 1.0	U	< 0.17	U	< 1	U
trans-1,3-Dichloropropene	ug/L	0.4	< 1.0	U	< 1.0	UJ	< 0.17	U	< 0.17	U	< 0.5	U	< 1.0	U	< 1.0	U	< 0.17	U	< 0.5	U
Trichloroethene	ug/L	5	**210**	**J-**	**65**	**J-**	**80**		**81**		**140**		2.4		**8.1**		**2.8**		**2.7**	
Trichlorofluoromethane	ug/L	5	< 1.0	U	< 1.0	U	< 0.18	U	< 0.18	U	< 2	U	< 1.0	U	< 1.0	UJ	< 0.18	U	< 2	U
Vinyl chloride	ug/L	2	< 1.0	U	< 1.0	U	< 0.21	U	< 0.21	U	< 2	U	< 1.0	U	< 1.0	U	< 0.21	U	< 2	U
Xylenes, total	ug/L	5	< 2.0	U	< 2.0	U	< 1	U	< 1	U	< 1	U	< 2.0	U	< 2.0	U	< 1	U	< 1	U
VOC TICs																				
Isopropanol	ug/L	NC	NA		NA		NA		NA		**23**		NA		NA		NA		**29**	

Notes:

ug/L - micrograms per liter.

Q - Lab Qualifier.

J - Estimated value.

J- - Estimated value; biased low.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC standards exist for this analyte.

R - Rejected data point.

Sample DUP 01 collected on November 16, 2022 is a duplicate sample of MW-4S.

Sample DUP-01 collected on November 21, 2024 is a duplicate sample of MW-7S.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed Guidance value.

VOCs - Volatile Organic Compounds.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the February 2023 Addendum.

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-6D**				**MW-6S**			
			Sample Name:	HF-MW-6D	HF-MW-6D	MW-6D	MW-6D	HF-MW-6S	HF-MW-6S	MW-6S	MW-6S
			Lab Sample Identification:	480-178504-1	480-190941-7	22K2572-09	24K1934-07	480-178504-2	480-190941-6	22K2572-08	24K1934-06
			Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***		**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
VOCs											
1,1,1-Trichloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U
1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon 113)	ug/L	5		< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U
1,1,2-Trichloroethane	ug/L	1		< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,1-Dichloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.14 U	< 1 U	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U
1,1-Dichloroethene	ug/L	5		< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	5		NA	NA	< 0.3 U	< 5 U	NA	NA	< 0.3 U	< 5 U
1,2,3-Trichloropropane	ug/L	0.04		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
1,2,4-Trichlorobenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.25 U	< 1 U	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U
1,2,4-Trimethylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	0.04		< 1.0 U	< 1.0 U	< 0.8 U	< 5 U	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.0006		< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
1,2-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,2-Dichloroethane	ug/L	0.6		< 1.0 U	< 1.0 U	< 0.31 U	< 1 U	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U
1,2-Dichloropropane	ug/L	1		< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,3-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,4-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 0.13 U	< 1 U	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U
1,4-Dioxane	ug/L	NC		< 40 U	< 40 U	< 21 U	NA	< 40 U	< 40 U	< 21 U	NA
2-Butanone (MEK)	ug/L	50		< 10 U	< 10 U	< 1.6 U	< 20 U	< 10 U	< 10 U	**2.3 J**	< 20 U
2-Hexanone	ug/L	50		< 5.0 U	< 5.0 U	< 1.1 U	< 10 U	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U
4-Isopropyltoluene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
4-Methyl-2-pentanone	ug/L	NC		< 5.0 U	< 5.0 U	< 1.3 U	< 10 U	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U
Acetone	ug/L	50		< 10 U	< 11 U	**25 J**	**150**	< 10 U	< 10 U	**33 J**	**55**
Benzene	ug/L	1		< 1.0 U	< 1.0 U	< 0.2 U	< 1 U	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U
Bromochloromethane	ug/L	5		NA	NA	< 0.31 U	< 1 U	NA	NA	< 0.31 U	< 1 U
Bromodichloromethane	ug/L	50		< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U
Bromoform	ug/L	50		< 1.0 U	< 1.0 U	< 0.38 U	< 1 U	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U
Bromomethane	ug/L	5		< 1.0 U	< 1.0 U	< 1.5 U	< 2 U	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U
Carbon disulfide	ug/L	60		< 1.0 U	< 1.0 U	< 1.4 U	< 5 U	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U
Carbon tetrachloride	ug/L	5		< 1.0 U	< 1.0 U	< 0.16 U	< 5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U
Chlorobenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
Chloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.32 U	< 2 U	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U
Chloroform	ug/L	7		< 1.0 U	< 1.0 U	< 0.17 U	< 2 U	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U
Chloromethane	ug/L	5		< 1.0 U	< 1.0 U	< 0.52 U	< 2 U	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.15 U	< 1 U	< 1.0 U	< 1.0 U	< 0.15 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4		< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U
Cyclohexane	ug/L	NC		< 1.0 U	< 1.0 U	< 1.8 U	< 5 U	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U
Dibromochloromethane	ug/L	50		< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U
Dichlorodifluoromethane	ug/L	5		< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U	< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U
Ethylbenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.21 U	< 1 U	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-6D**			**MW-6S**			
			Sample Name:	HF-MW-6D	HF-MW-6D	MW-6D	MW-6D	HF-MW-6S	HF-MW-6S	MW-6S	MW-6S
			Lab Sample Identification:	480-178504-1	480-190941-7	22K2572-09	24K1934-07	480-178504-2	480-190941-6	22K2572-08	24K1934-06
			Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***		**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
Isopropylbenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
m,p-Xylene	ug/L	5		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
Methyl acetate	ug/L	NC		< 2.5 U	< 2.5 U	< 0.45 U	< 1 U	< 2.5 U	< 2.5 U	< 0.45 U	< 1 U
Methyl tert-butyl ether	ug/L	10		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
Methylcyclohexane	ug/L	NC		< 1.0 U	< 1.0 U	< 0.24 U	< 1 U	< 1.0 U	< 1.0 U	< 0.24 U	< 1 U
Methylene chloride	ug/L	5		< 1.0 U	< 1.0 U	< 0.23 U	< 5 U	< 1.0 U	< 1.0 U	< 0.23 U	< 5 U
Naphthalene	ug/L	10		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
n-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
n-Propylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
o-Xylene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
sec-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Styrene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
tert-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Tetrachloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.19 U	< 1 U	< 1.0 U	< 1.0 U	< 0.19 U	< 1 U
Toluene	ug/L	5		< 1.0 U	< 1.0 U	< 0.22 U	< 1 U	< 1.0 U	< 1.0 U	< 0.22 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
trans-1,3-Dichloropropene	ug/L	0.4		< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
Trichloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.19 U	< 1 U	**5.3**	**7.5**	**5.2**	**12**
Trichlorofluoromethane	ug/L	5		< 1.0 U	< 1.0 UJ	< 0.18 U	< 2 U	< 1.0 U	< 1.0 UJ	< 0.18 U	< 2 U
Vinyl chloride	ug/L	2		< 1.0 U	< 1.0 U	< 0.21 U	< 2 U	< 1.0 U	< 1.0 U	< 0.21 U	< 2 U
Xylenes, total	ug/L	5		< 2.0 U	< 2.0 U	< 1 U	< 1 U	< 2.0 U	< 2.0 U	< 1 U	< 1 U
VOC TICs											
Isopropanol	ug/L	NC		NA	NA	NA	**24**	NA	NA	NA	**58**

Notes:

ug/L - micrograms per liter.

Q - Lab Qualifier.

J - Estimated value.

J- - Estimated value; biased low.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC standards exist for this analyte.

R - Rejected data point.

Sample DUP 01 collected on November 16, 2022 is a duplicate sample of MW-4S.

Sample DUP-01 collected on November 21, 2024 is a duplicate sample of MW-7S.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed Guidance value.

VOCs - Volatile Organic Compounds.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the February 2023 Addendum.

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			MW-7S					MW-10D			
Sample Location:											
Sample Name:			HF-MW-7S	HF-MW-7S	MW-7S	MW-7S	DUP-01	HF-MW-10D	HF-MW-10D	MW-10D	MW-10D
Lab Sample Identification:			480-178504-20	480-190941-9	22K2572-11	24K1934-09	24K1934-18	480-178504-18	480-190941-17	22K2572-18	24K1934-11
Sample Date:			11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
VOCs											
1,1,1-Trichloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U
1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon 113)	ug/L	5	< 1.0 UJ	< 1.0 UJ	< 0.23 U	< 1 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,1-Dichloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U
1,1-Dichloroethene	ug/L	5	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	5	NA	NA	< 0.3 U	< 5 U	< 5 U	NA	NA	< 0.3 U	< 5 U
1,2,3-Trichloropropane	ug/L	0.04	NA	NA	NA	< 2 U	< 2 U	NA	NA	NA	< 2 U
1,2,4-Trichlorobenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U
1,2,4-Trimethylbenzene	ug/L	5	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	0.04	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U	< 5 U	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.0006	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
1,2-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,2-Dichloroethane	ug/L	0.6	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U
1,2-Dichloropropane	ug/L	1	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	5	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	< 1 U
1,3-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,4-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U
1,4-Dioxane	ug/L	NC	< 40 R	< 40 U	< 21 U	NA	NA	< 40 U	< 40 U	< 21 U	NA
2-Butanone (MEK)	ug/L	50	< 10 UJ	< 10 U	< 1.6 U	< 20 U	< 20 U	< 10 U	< 10 U	< 1.6 U	< 20 U
2-Hexanone	ug/L	50	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U
4-Isopropyltoluene	ug/L	5	NA	NA	NA	< 1 U	< 1 U	NA	NA	NA	< 1 U
4-Methyl-2-pentanone	ug/L	NC	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U	< 10 U	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U
Acetone	ug/L	50	< 10 U	< 24 U	**31 J**	**41 J**	**38 J**	< 10 U	< 33 U	**20 J**	**120**
Benzene	ug/L	1	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U
Bromochloromethane	ug/L	5	NA	NA	< 0.31 U	< 1 U	< 1 U	NA	NA	< 0.31 U	< 1 U
Bromodichloromethane	ug/L	50	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U
Bromoform	ug/L	50	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U
Bromomethane	ug/L	5	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U
Carbon disulfide	ug/L	60	< 1.0 UJ	< 1.0 U	< 1.4 U	< 5 U	< 5 U	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U
Carbon tetrachloride	ug/L	5	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U	< 5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U
Chlorobenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
Chloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U
Chloroform	ug/L	7	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U
Chloromethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5	< 1.0 U	< 1.0 U	< 0.15 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.15 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U
Cyclohexane	ug/L	NC	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U	< 5 U	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U
Dibromochloromethane	ug/L	50	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U
Dichlorodifluoromethane	ug/L	5	< 1.0 UJ	< 1.0 UJ	< 0.19 U	< 2 U	< 2 U	< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U
Ethylbenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

		Sample Location:	**MW-7S**					**MW-10D**						
		Sample Name:	HF-MW-7S	HF-MW-7S	MW-7S	MW-7S	DUP-01	HF-MW-10D	HF-MW-10D	MW-10D	MW-10D			
		Lab Sample Identification:	480-178504-20	480-190941-9	22K2572-11	24K1934-09	24K1934-18	480-178504-18	480-190941-17	22K2572-18	24K1934-11			
		Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024			
Analyte	**Unit**	**Class GA Values***	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Isopropylbenzene	ug/L	5	< 1.0	U	< 1.0	U	< 0.11	U	< 1	U	< 1	U	< 1.0	U	< 1.0	U	< 0.11	U	< 1	U
m,p-Xylene	ug/L	5	NA		NA		NA		< 2	U	< 2	U	NA		NA		NA		< 2	U
Methyl acetate	ug/L	NC	< 2.5	U	< 2.5	U	< 0.45	U	< 1	U	< 1	U	< 2.5	U	< 2.5	U	< 0.45	U	< 1	U
Methyl tert-butyl ether	ug/L	10	< 1.0	U	< 1.0	U	< 0.17	U	< 1	U	< 1	U	< 1.0	U	< 1.0	U	< 0.17	U	< 1	U
Methylcyclohexane	ug/L	NC	< 1.0	U	< 1.0	U	< 0.24	U	< 1	U	< 1	U	< 1.0	U	< 1.0	U	< 0.24	U	< 1	U
Methylene chloride	ug/L	5	< 1.0	U	< 1.0	U	< 0.23	U	< 5	U	< 5	U	< 1.0	U	< 1.0	U	< 0.23	U	< 5	U
Naphthalene	ug/L	10	NA		NA		NA		< 2	U	< 2	U	NA		NA		NA		< 2	U
n-Butylbenzene	ug/L	5	NA		NA		NA		< 1	U	< 1	U	NA		NA		NA		< 1	U
n-Propylbenzene	ug/L	5	NA		NA		NA		< 1	U	< 1	U	NA		NA		NA		< 1	U
o-Xylene	ug/L	5	NA		NA		NA		< 1	U	< 1	U	NA		NA		NA		< 1	U
sec-Butylbenzene	ug/L	5	NA		NA		NA		< 1	U	< 1	U	NA		NA		NA		< 1	U
Styrene	ug/L	5	< 1.0	U	< 1.0	U	< 0.11	U	< 1	U	< 1	U	< 1.0	U	< 1.0	U	< 0.11	U	< 1	U
tert-Butylbenzene	ug/L	5	NA		NA		NA		< 1	U	< 1	U	NA		NA		NA		< 1	U
Tetrachloroethene	ug/L	5	< 1.0	U	< 1.0	U	< 0.19	U	< 1	U	< 1	U	< 1.0	U	< 1.0	U	< 0.19	U	< 1	U
Toluene	ug/L	5	< 1.0	U	< 1.0	U	< 0.22	U	< 1	U	< 1	U	**1.1**		< 1.0	U	< 0.22	U	< 1	U
trans-1,2-Dichloroethene	ug/L	5	< 1.0	U	< 1.0	U	< 0.17	U	< 1	U	< 1	U	< 1.0	U	< 1.0	U	< 0.17	U	< 1	U
trans-1,3-Dichloropropene	ug/L	0.4	< 1.0	U	< 1.0	U	< 0.17	U	< 0.5	U	< 0.5	U	< 1.0	U	< 1.0	U	< 0.17	U	< 0.5	U
Trichloroethene	ug/L	5	< 1.0	U	< 1.0	U	< 0.19	U	< 1	U	**2.5**		< 1.0	U	< 1.0	U	< 0.19	U	< 1	U
Trichlorofluoromethane	ug/L	5	< 1.0	UJ	< 1.0	UJ	< 0.18	U	< 2	U	< 2	U	< 1.0	U	< 1.0	UJ	< 0.18	U	< 2	U
Vinyl chloride	ug/L	2	< 1.0	U	< 1.0	U	< 0.21	U	< 2	U	< 2	U	< 1.0	U	< 1.0	U	< 0.21	U	< 2	U
Xylenes, total	ug/L	5	< 2.0	U	< 2.0	U	< 1	U	< 1	U	< 1	U	< 2.0	U	< 2.0	U	< 1	U	< 1	U
VOC TICs																				
Isopropanol	ug/L	NC	NA		NA		NA		**17**		**28**		NA		NA		NA		**24**	

Notes:

ug/L - micrograms per liter.

Q - Lab Qualifier.

J - Estimated value.

J- - Estimated value; biased low.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC standards exist for this analyte.

R - Rejected data point.

Sample DUP 01 collected on November 16, 2022 is a duplicate sample of MW-4S.

Sample DUP-01 collected on November 21, 2024 is a duplicate sample of MW-7S.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed Guidance value.

VOCs - Volatile Organic Compounds.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the February 2023 Addendum.

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	MW-10S	MW-15D				MW-15S			
			Sample Name:	HF-MW-10S	HF-MW-15D	HF-MW-15D	MW-15D	MW-15D	HF-MW-15S	HF-MW-15S	MW-15S	MW-15S
			Lab Sample Identification:	480-190941-16	480-178504-17	480-190941-15	22K2572-16	24K1934-13	480-178504-21	480-190941-14	22K2572-17	24K1934-12
			Sample Date:	10/14/2021	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***		**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
VOCs												
1,1,1-Trichloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U
1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon 113)	ug/L	5		< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U	< 1.0 UJ	< 1.0 UJ	< 0.23 U	< 1 U
1,1,2-Trichloroethane	ug/L	1		< 1.0 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,1-Dichloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U
1,1-Dichloroethene	ug/L	5		< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	5		NA	NA	NA	< 0.3 U	< 5 U	NA	NA	< 0.3 U	< 5 U
1,2,3-Trichloropropane	ug/L	0.04		NA	NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
1,2,4-Trichlorobenzene	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U
1,2,4-Trimethylbenzene	ug/L	5		NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	0.04		< 1.0 U	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.0006		< 1.0 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
1,2-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,2-Dichloroethane	ug/L	0.6		< 1.0 U	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U
1,2-Dichloropropane	ug/L	1		< 1.0 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	5		NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,3-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,4-Dichlorobenzene	ug/L	3		< 1.0 U	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U
1,4-Dioxane	ug/L	NC		< 40 U	< 40 U	< 40 U	< 21 U	NA	< 40 R	< 40 U	< 21 U	NA
2-Butanone (MEK)	ug/L	50		< 10 U	< 11 U	< 10 U	< 1.6 U	< 20 U	< 10 UJ	< 10 U	< 1.6 U	< 20 U
2-Hexanone	ug/L	50		< 5.0 U	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U
4-Isopropyltoluene	ug/L	5		NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
4-Methyl-2-pentanone	ug/L	NC		< 5.0 U	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U
Acetone	ug/L	50		< 31 U	< 10 U	< 30 U	**120**	**220**	< 10 UJ	< 25 U	**42 J**	**54**
Benzene	ug/L	1		< 1.0 U	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U
Bromochloromethane	ug/L	5		NA	NA	NA	< 0.31 U	< 1 U	NA	NA	< 0.31 U	< 1 U
Bromodichloromethane	ug/L	50		< 1.0 U	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U
Bromoform	ug/L	50		< 1.0 U	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U
Bromomethane	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U
Carbon disulfide	ug/L	60		< 1.0 U	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U	< 1.0 UJ	< 1.0 U	< 1.4 U	< 5 U
Carbon tetrachloride	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U
Chlorobenzene	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
Chloroethane	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U
Chloroform	ug/L	7		< 1.0 U	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U
Chloromethane	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 0.15 U	< 1 U	< 1.0 U	< 1.0 U	**0.36 J**	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4		< 1.0 U	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U
Cyclohexane	ug/L	NC		< 1.0 U	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U
Dibromochloromethane	ug/L	50		< 1.0 U	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U
Dichlorodifluoromethane	ug/L	5		< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U	< 1.0 UJ	< 1.0 UJ	< 0.19 U	< 2 U
Ethylbenzene	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-10S**	**MW-15D**				**MW-15S**			
			Sample Name:	HF-MW-10S	HF-MW-15D	HF-MW-15D	MW-15D	MW-15D	HF-MW-15S	HF-MW-15S	MW-15S	MW-15S
			Lab Sample Identification:	480-190941-16	480-178504-17	480-190941-15	22K2572-16	24K1934-13	480-178504-21	480-190941-14	22K2572-17	24K1934-12
			Sample Date:	10/14/2021	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
Isopropylbenzene	ug/L	5	< 1.0 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
m,p-Xylene	ug/L	5	NA	NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
Methyl acetate	ug/L	NC	< 2.5 U	< 2.5 U	< 2.5 U	< 0.45 U	< 1 U	< 2.5 U	< 2.5 U	< 0.45 U	< 1 U
Methyl tert-butyl ether	ug/L	10	< 1.0 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
Methylcyclohexane	ug/L	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 0.24 U	< 1 U	< 1.0 U	< 1.0 U	< 0.24 U	< 1 U
Methylene chloride	ug/L	5	< 1.0 U	< 1.0 U	< 1.0 U	< 0.23 U	< 5 U	< 1.0 U	< 1.0 U	< 0.23 U	< 5 U
Naphthalene	ug/L	10	NA	NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
n-Butylbenzene	ug/L	5	NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
n-Propylbenzene	ug/L	5	NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
o-Xylene	ug/L	5	NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
sec-Butylbenzene	ug/L	5	NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Styrene	ug/L	5	< 1.0 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
tert-Butylbenzene	ug/L	5	NA	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Tetrachloroethene	ug/L	5	< 1.0 U	< 1.0 U	< 1.0 U	< 0.19 U	< 1 U	< 1.0 U	< 1.0 U	< 0.19 U	< 1 U
Toluene	ug/L	5	< 1.0 U	< 1.0 U	< 1.0 U	< 0.22 U	< 1 U	< 1.0 U	< 1.0 U	< 0.22 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5	< 1.0 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
trans-1,3-Dichloropropene	ug/L	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
Trichloroethene	ug/L	5	**1.9**	< 1.0 U	< 1.0 U	< 0.19 U	< 1 U	**13**	**15**	**14**	**0.56 J**
Trichlorofluoromethane	ug/L	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 0.18 U	< 2 U	< 1.0 UJ	< 1.0 UJ	< 0.18 U	< 2 U
Vinyl chloride	ug/L	2	< 1.0 U	< 1.0 U	< 1.0 U	< 0.21 U	< 2 U	< 1.0 U	< 1.0 U	< 0.21 U	< 2 U
Xylenes, total	ug/L	5	< 2.0 U	< 2.0 U	< 2.0 U	< 1 U	< 1 U	< 2.0 U	< 2.0 U	< 1 U	< 1 U
VOC TICs												
Isopropanol	ug/L	NC	NA	NA	NA	NA	**48**	NA	NA	NA	**28**

Notes:

ug/L - micrograms per liter.

Q - Lab Qualifier.

J - Estimated value.

J- - Estimated value; biased low.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC standards exist for this analyte.

R - Rejected data point.

Sample DUP 01 collected on November 16, 2022 is a duplicate sample of MW-4S.

Sample DUP-01 collected on November 21, 2024 is a duplicate sample of MW-7S.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed Guidance value.

VOCs - Volatile Organic Compounds.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the February 2023 Addendum.

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			MW-16S				**MW-17D**			
Sample Location:										
Sample Name:			HF-MW-16S	HF-MW-16S	MW-16S	MW-16S	HF-MW-17D	HF-MW-17D	MW-17D	MW-17D
Lab Sample Identification:			480-178504-13	480-190941-12	22K2572-14	24K1934-17	480-178504-16	480-190941-13	22K2572-15	24K1934-14
Sample Date:			11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
VOCs										
1,1,1-Trichloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U
1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon 113)	ug/L	5	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,1-Dichloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U
1,1-Dichloroethene	ug/L	5	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	5	NA	NA	< 0.3 U	< 5 U	NA	NA	< 0.3 U	< 5 U
1,2,3-Trichloropropane	ug/L	0.04	NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
1,2,4-Trichlorobenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U
1,2,4-Trimethylbenzene	ug/L	5	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	0.04	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.0006	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
1,2-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,2-Dichloroethane	ug/L	0.6	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U
1,2-Dichloropropane	ug/L	1	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	5	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,3-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,4-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U
1,4-Dioxane	ug/L	NC	< 40 U	< 40 U	< 21 U	NA	< 40 U	< 40 U	< 21 U	NA
2-Butanone (MEK)	ug/L	50	< 14 U	< 10 U	< 1.6 U	< 20 U	< 13 U	< 10 U	< 1.6 U	< 20 U
2-Hexanone	ug/L	50	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U
4-Isopropyltoluene	ug/L	5	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
4-Methyl-2-pentanone	ug/L	NC	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U
Acetone	ug/L	50	< 10 U	< 11 U	**44 J**	**130**	< 10 U	< 36 U	**23 J**	**120**
Benzene	ug/L	1	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U
Bromochloromethane	ug/L	5	NA	NA	< 0.31 U	< 1 U	NA	NA	< 0.31 U	< 1 U
Bromodichloromethane	ug/L	50	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U
Bromoform	ug/L	50	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U
Bromomethane	ug/L	5	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U
Carbon disulfide	ug/L	60	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U
Carbon tetrachloride	ug/L	5	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U
Chlorobenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
Chloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U
Chloroform	ug/L	7	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U
Chloromethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5	< 1.0 U	< 1.0 U	< 0.15 U	< 1 U	< 1.0 U	< 1.0 U	< 0.15 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U
Cyclohexane	ug/L	NC	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U
Dibromochloromethane	ug/L	50	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U
Dichlorodifluoromethane	ug/L	5	< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U	< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U
Ethylbenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-16S**			**MW-17D**			
			Sample Name:	HF-MW-16S	HF-MW-16S	MW-16S	MW-16S	HF-MW-17D	HF-MW-17D	MW-17D	MW-17D
			Lab Sample Identification:	480-178504-13	480-190941-12	22K2572-14	24K1934-17	480-178504-16	480-190941-13	22K2572-15	24K1934-14
			Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***		**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
Isopropylbenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
m,p-Xylene	ug/L	5		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
Methyl acetate	ug/L	NC		< 2.5 U	< 2.5 U	< 0.45 U	< 1 U	< 2.5 U	< 2.5 U	< 0.45 U	< 1 U
Methyl tert-butyl ether	ug/L	10		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
Methylcyclohexane	ug/L	NC		< 1.0 U	< 1.0 U	< 0.24 U	< 1 U	< 1.0 U	< 1.0 U	< 0.24 U	< 1 U
Methylene chloride	ug/L	5		< 1.0 U	< 1.0 U	< 0.23 U	< 5 U	< 1.0 U	< 1.0 U	< 0.23 U	< 5 U
Naphthalene	ug/L	10		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
n-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
n-Propylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
o-Xylene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
sec-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Styrene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
tert-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Tetrachloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.19 U	< 1 U	< 1.0 U	< 1.0 U	< 0.19 U	< 1 U
Toluene	ug/L	5		< 1.0 U	< 1.0 U	< 0.22 U	< 1 U	< 1.0 U	< 1.0 U	< 0.22 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
trans-1,3-Dichloropropene	ug/L	0.4		< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
Trichloroethene	ug/L	5		**6.5**	**4.6**	**5.6**	**4.2**	< 1.0 U	< 1.0 U	< 0.19 U	< 1 U
Trichlorofluoromethane	ug/L	5		< 1.0 U	< 1.0 UJ	< 0.18 U	< 2 U	< 1.0 U	< 1.0 UJ	< 0.18 U	< 2 U
Vinyl chloride	ug/L	2		< 1.0 U	< 1.0 U	< 0.21 U	< 2 U	< 1.0 U	< 1.0 U	< 0.21 U	< 2 U
Xylenes, total	ug/L	5		< 2.0 U	< 2.0 U	< 1 U	< 1 U	< 2.0 U	< 2.0 U	< 1 U	< 1 U
VOC TICs											
Isopropanol	ug/L	NC		NA	NA	NA	**57**	NA	NA	NA	**27**

Notes:

ug/L - micrograms per liter.

Q - Lab Qualifier.

J - Estimated value.

J- - Estimated value; biased low.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC standards exist for this analyte.

R - Rejected data point.

Sample DUP 01 collected on November 16, 2022 is a duplicate sample of MW-4S.

Sample DUP-01 collected on November 21, 2024 is a duplicate sample of MW-7S.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed Guidance value.

VOCs - Volatile Organic Compounds.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the February 2023 Addendum.

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-19D**			**MW-19S**			
			Sample Name:	HF-MW-19D	HF-MW-19D	MW-19D	MW-19D	HF-MW-19S	HF-MW-19S	MW-19S	MW-19S
			Lab Sample Identification:	480-178504-14	480-190941-10	22K2572-13	24K1934-15	480-178504-15	480-190941-11	22K2572-12	24K1934-16
			Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
VOCs										
1,1,1-Trichloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
1,1,2,2-Tetrachloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.13 U	< 0.5 U
1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon 113)	ug/L	5	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.23 U	< 1 U
1,1,2-Trichloroethane	ug/L	1	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,1-Dichloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U	< 1.0 U	< 1.0 U	< 0.14 U	< 1 U
1,1-Dichloroethene	ug/L	5	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U	< 1.0 U	< 1.0 UJ	< 0.14 U	< 1 U
1,2,3-Trichlorobenzene	ug/L	5	NA	NA	< 0.3 U	< 5 U	NA	NA	< 0.3 U	< 5 U
1,2,3-Trichloropropane	ug/L	0.04	NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
1,2,4-Trichlorobenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U	< 1.0 U	< 1.0 U	< 0.25 U	< 1 U
1,2,4-Trimethylbenzene	ug/L	5	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,2-Dibromo-3-chloropropane	ug/L	0.04	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U	< 1.0 U	< 1.0 U	< 0.8 U	< 5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.0006	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
1,2-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,2-Dichloroethane	ug/L	0.6	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U	< 1.0 U	< 1.0 U	< 0.31 U	< 1 U
1,2-Dichloropropane	ug/L	1	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U	< 1.0 U	< 1.0 U	< 0.18 U	< 1 U
1,3,5-Trimethylbenzene	ug/L	5	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
1,3-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U	< 1.0 U	< 1.0 U	< 0.12 U	< 1 U
1,4-Dichlorobenzene	ug/L	3	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U	< 1.0 U	< 1.0 U	< 0.13 U	< 1 U
1,4-Dioxane	ug/L	NC	< 40 U	< 40 U	< 21 U	NA	< 40 R	< 40 U	< 21 U	NA
2-Butanone (MEK)	ug/L	50	< 10 U	< 10 U	< 1.6 U	< 20 U	< 10 U	< 10 U	< 1.6 U	< 20 U
2-Hexanone	ug/L	50	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U	< 5.0 U	< 5.0 U	< 1.1 U	< 10 U
4-Isopropyltoluene	ug/L	5	NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
4-Methyl-2-pentanone	ug/L	NC	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U	< 5.0 U	< 5.0 U	< 1.3 U	< 10 U
Acetone	ug/L	50	< 10 U	< 10 U	**22 J**	**120**	< 10 U	< 11 U	**27 J**	**130**
Benzene	ug/L	1	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U	< 1.0 U	< 1.0 U	< 0.2 U	< 1 U
Bromochloromethane	ug/L	5	NA	NA	< 0.31 U	< 1 U	NA	NA	< 0.31 U	< 1 U
Bromodichloromethane	ug/L	50	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.18 U	< 0.5 U
Bromoform	ug/L	50	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U	< 1.0 U	< 1.0 U	< 0.38 U	< 1 U
Bromomethane	ug/L	5	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U	< 1.0 U	< 1.0 U	< 1.5 U	< 2 U
Carbon disulfide	ug/L	60	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U	< 1.0 U	< 1.0 U	< 1.4 U	< 5 U
Carbon tetrachloride	ug/L	5	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 5 U
Chlorobenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
Chloroethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U	< 1.0 U	< 1.0 U	< 0.32 U	< 2 U
Chloroform	ug/L	7	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U	< 1.0 U	< 1.0 U	< 0.17 U	< 2 U
Chloromethane	ug/L	5	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U	< 1.0 U	< 1.0 U	< 0.52 U	< 2 U
cis-1,2-Dichloroethene	ug/L	5	< 1.0 U	< 1.0 U	< 0.15 U	< 1 U	< 1.0 U	< 1.0 U	< 0.15 U	< 1 U
cis-1,3-Dichloropropene	ug/L	0.4	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.16 U	< 0.5 U
Cyclohexane	ug/L	NC	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U	< 1.0 U	< 1.0 U	< 1.8 U	< 5 U
Dibromochloromethane	ug/L	50	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.22 U	< 0.5 U
Dichlorodifluoromethane	ug/L	5	< 1.0 U	< 1.0 UJ	< 0.19 U	< 2 U	< 1.0 UJ	< 1.0 UJ	< 0.19 U	< 2 U
Ethylbenzene	ug/L	5	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U	< 1.0 U	< 1.0 U	< 0.21 U	< 1 U

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-19D**			**MW-19S**			
			Sample Name:	HF-MW-19D	HF-MW-19D	MW-19D	MW-19D	HF-MW-19S	HF-MW-19S	MW-19S	MW-19S
			Lab Sample Identification:	480-178504-14	480-190941-10	22K2572-13	24K1934-15	480-178504-15	480-190941-11	22K2572-12	24K1934-16
			Sample Date:	11/19/2020	10/14/2021	11/16/2022	11/21/2024	11/19/2020	10/14/2021	11/16/2022	11/21/2024
Analyte	**Unit**	**Class GA Values***		**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**	**Result Q**
Isopropylbenzene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
m,p-Xylene	ug/L	5		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
Methyl acetate	ug/L	NC		< 2.5 U	< 2.5 U	< 0.45 U	< 1 U	< 2.5 U	< 2.5 U	< 0.45 U	< 1 U
Methyl tert-butyl ether	ug/L	10		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
Methylcyclohexane	ug/L	NC		< 1.0 U	< 1.0 U	< 0.24 U	< 1 U	< 1.0 U	< 1.0 U	< 0.24 U	< 1 U
Methylene chloride	ug/L	5		< 1.0 U	< 1.0 U	< 0.23 U	< 5 U	< 1.0 U	< 1.0 U	< 0.23 U	< 5 U
Naphthalene	ug/L	10		NA	NA	NA	< 2 U	NA	NA	NA	< 2 U
n-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
n-Propylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
o-Xylene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
sec-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Styrene	ug/L	5		< 1.0 U	< 1.0 U	< 0.11 U	< 1 U	< 1.0 U	< 1.0 U	< 0.11 U	< 1 U
tert-Butylbenzene	ug/L	5		NA	NA	NA	< 1 U	NA	NA	NA	< 1 U
Tetrachloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.19 U	< 1 U	< 1.0 U	< 1.0 U	< 0.19 U	< 1 U
Toluene	ug/L	5		< 1.0 U	< 1.0 U	< 0.22 U	< 1 U	< 1.0 U	< 1.0 U	< 0.22 U	< 1 U
trans-1,2-Dichloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 0.17 U	< 1 U	< 1.0 U	< 1.0 U	< 0.17 U	< 1 U
trans-1,3-Dichloropropene	ug/L	0.4		< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U	< 1.0 U	< 1.0 U	< 0.17 U	< 0.5 U
Trichloroethene	ug/L	5		**2.2**	**0.47 J**	**1.4**	**2.1**	**1.9**	**2.6**	**0.66 J**	**2.5**
Trichlorofluoromethane	ug/L	5		< 1.0 U	< 1.0 UJ	< 0.18 U	< 2 U	< 1.0 UJ	< 1.0 UJ	< 0.18 U	< 2 U
Vinyl chloride	ug/L	2		< 1.0 U	< 1.0 U	< 0.21 U	< 2 U	< 1.0 U	< 1.0 U	< 0.21 U	< 2 U
Xylenes, total	ug/L	5		< 2.0 U	< 2.0 U	< 1 U	< 1 U	< 2.0 U	< 2.0 U	< 1 U	< 1 U
VOC TICs											
Isopropanol	ug/L	NC		NA	NA	NA	**51**	NA	NA	NA	**54**

Notes:

ug/L - micrograms per liter.

Q - Lab Qualifier.

J - Estimated value.

J- - Estimated value; biased low.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC standards exist for this analyte.

R - Rejected data point.

Sample DUP 01 collected on November 16, 2022 is a duplicate sample of MW-4S.

Sample DUP-01 collected on November 21, 2024 is a duplicate sample of MW-7S.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed Guidance value.

VOCs - Volatile Organic Compounds.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the February 2023 Addendum.

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	MW-10-00D		MW-26-04D		Quarry Sump	
			Sample Name:	HF-MW-10-00D		HF-MW-26-4D		HF-SUMP	
			Lab Sample Identification:	480-178504-11		480-178504-10		480-178504-12	
			Sample Date:	11/19/2020		11/19/2020		11/19/2020	
Analyte	**Unit**	**Class GA Values***		**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
VOCs									
1,1,1-Trichloroethane	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
1,1,2,2-Tetrachloroethane	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
1,1,2-Trichloro- 1,2,2-trifluoroethane (Freon 113)	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
1,1,2-Trichloroethane	ug/L	1		< 1.0	U	< 1.0	U	< 1.0	U
1,1-Dichloroethane	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
1,1-Dichloroethene	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
1,2,3-Trichlorobenzene	ug/L	5		NA		NA		NA	
1,2,3-Trichloropropane	ug/L	0.04		NA		NA		NA	
1,2,4-Trichlorobenzene	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
1,2,4-Trimethylbenzene	ug/L	5		NA		NA		NA	
1,2-Dibromo-3-chloropropane	ug/L	0.04		< 1.0	U	< 1.0	U	< 1.0	U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.0006		< 1.0	U	< 1.0	U	< 1.0	U
1,2-Dichlorobenzene	ug/L	3		< 1.0	U	< 1.0	U	< 1.0	U
1,2-Dichloroethane	ug/L	0.6		< 1.0	U	< 1.0	U	< 1.0	U
1,2-Dichloropropane	ug/L	1		< 1.0	U	< 1.0	U	< 1.0	U
1,3,5-Trimethylbenzene	ug/L	5		NA		NA		NA	
1,3-Dichlorobenzene	ug/L	3		< 1.0	U	< 1.0	U	< 1.0	U
1,4-Dichlorobenzene	ug/L	3		< 1.0	U	< 1.0	U	< 1.0	U
1,4-Dioxane	ug/L	NC		< 40	U	< 40	U	< 40	U
2-Butanone (MEK)	ug/L	50		< 10	U	< 10	U	< 10	U
2-Hexanone	ug/L	50		< 5.0	U	< 5.0	U	< 5.0	U
4-Isopropyltoluene	ug/L	5		NA		NA		NA	
4-Methyl-2-pentanone	ug/L	NC		< 5.0	U	< 5.0	U	< 5.0	U
Acetone	ug/L	50		< 10	U	< 10	U	< 10	U
Benzene	ug/L	1		< 1.0	U	< 1.0	U	< 1.0	U
Bromochloromethane	ug/L	5		NA		NA		NA	
Bromodichloromethane	ug/L	50		< 1.0	U	< 1.0	U	< 1.0	U
Bromoform	ug/L	50		< 1.0	U	< 1.0	U	< 1.0	U
Bromomethane	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
Carbon disulfide	ug/L	60		< 1.0	U	**0.19**	**J**	< 1.0	U
Carbon tetrachloride	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
Chlorobenzene	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
Chloroethane	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
Chloroform	ug/L	7		< 1.0	U	< 1.0	U	< 1.0	U
Chloromethane	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
cis-1,2-Dichloroethene	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
cis-1,3-Dichloropropene	ug/L	0.4		< 1.0	U	< 1.0	U	< 1.0	U
Cyclohexane	ug/L	NC		< 1.0	U	< 1.0	U	< 1.0	U
Dibromochloromethane	ug/L	50		< 1.0	U	< 1.0	U	< 1.0	U
Dichlorodifluoromethane	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U
Ethylbenzene	ug/L	5		< 1.0	U	< 1.0	U	< 1.0	U

Table 3
New York State Department of Environmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Summary of Groundwater Analytical Results for VOCs - 2020 Through 2024

			Sample Location:	**MW-10-00D**	**MW-26-04D**	**Quarry Sump**
			Sample Name:	HF-MW-10-00D	HF-MW-26-4D	HF-SUMP
			Lab Sample Identification:	480-178504-11	480-178504-10	480-178504-12
			Sample Date:	11/19/2020	11/19/2020	11/19/2020
Analyte	**Unit**	**Class GA Values***		**Result Q**	**Result Q**	**Result Q**
Isopropylbenzene	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	ug/L	5		NA	NA	NA
Methyl acetate	ug/L	NC		< 2.5 U	< 2.5 U	< 2.5 U
Methyl tert-butyl ether	ug/L	10		< 1.0 U	< 1.0 U	< 1.0 U
Methylcyclohexane	ug/L	NC		< 1.0 U	< 1.0 U	< 1.0 U
Methylene chloride	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U
Naphthalene	ug/L	10		NA	NA	NA
n-Butylbenzene	ug/L	5		NA	NA	NA
n-Propylbenzene	ug/L	5		NA	NA	NA
o-Xylene	ug/L	5		NA	NA	NA
sec-Butylbenzene	ug/L	5		NA	NA	NA
Styrene	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U
tert-Butylbenzene	ug/L	5		NA	NA	NA
Tetrachloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U
Toluene	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U
trans-1,3-Dichloropropene	ug/L	0.4		< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	ug/L	5		< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	ug/L	2		< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, total	ug/L	5		< 2.0 U	< 2.0 U	< 2.0 U
VOC TICs						
Isopropanol	ug/L	NC		NA	NA	NA

Notes:

ug/L - micrograms per liter.

Q - Lab Qualifier.

J - Estimated value.

J- - Estimated value; biased low.

NA - Sample not analyzed for the listed analyte.

NC - No NYSDEC standards exist for this analyte.

R - Rejected data point.

Sample DUP 01 collected on November 16, 2022 is a duplicate sample of MW-4S.

Sample DUP-01 collected on November 21, 2024 is a duplicate sample of MW-7S.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed Guidance value.

VOCs - Volatile Organic Compounds.

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water, June 1998 with the February 2023 Addendum.

APPENDIX A

Summary of Green Remediation Metrics for Site Management

Site Name: Haight Farm Site Site Code: 837006
Address: 4879 Upper Holley Road City: Clarendon
State: NY Zip Code: 14429 County: Orleans

Initial Report Period (Start Date of period covered by the Initial Report submittal)
Start Date: 2015

Current Reporting Period
Reporting Period From: February 1, 2020 To: February 28, 2025

Contact Information
Preparer's Name: Brock Greene Phone No.: 716.225.3314
Preparer's Affiliation: TRC Engineers, Inc.

I. Energy Usage: Quantify the amount of energy used directly on-Site and the portion of that derived from renewable energy sources.

	Current Reporting Period (approximate)	**Total to Date** (approximate)
Fuel Type 1 (e.g. natural gas (cubic feet))	Not Applicable	Not Applicable
Fuel Type 2 (e.g. fuel oil, propane (gallons))	Not Applicable	Not Applicable
Electricity (kilowatt-hours)	Not Applicable	Not Applicable
Of that Electric usage, provide quantity:		
Derived from renewable sources (e.g. solar, wind)	Not Applicable	Not Applicable
Other energy sources (e.g. geothermal, solar thermal (British Thermal Units))	Not Applicable	Not Applicable

Provide a description of all energy usage reduction programs for the Site in the space provided on Page 3.

II. Solid Waste Generation: Quantify the management of solid waste generated on-Site.

	Current Reporting Period (tons - approximate)	**Total to Date (tons -** approximate)
Total waste generated on-site	less than 1	less than 1
OM&M generated waste	less than 1	less than 1
Of that total amount, provide quantity:		
Transported off-site to landfills	less than 1	less than 1
Transported off-site to other disposal facilities	0	0
Transported off-site for recycling/reuse	0	0
Reused on-site	less than 1	less than 1

Provide a description of any implemented waste reduction programs for the Site in the space provided on Page 3.

III. Transportation/Shipping: Quantify the distances travelled for delivery of supplies and lab-supplied bottles, shipping of laboratory samples, and the removal of waste.

	Current Reporting Period (miles- approximate)	**Total to Date (miles- approximate)**
Standby Engineer/Contractor	2,000	2,500
Laboratory Courier/Delivery Service (bottle and sample delivery)	785	835
Waste Removal/Hauling	0	0

Provide a description of all mileage reduction programs for the Site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the Site.

IV. Water Usage: Quantify the volume of water used on-site from various sources.

	Current Reporting Period (gallons)	**Total to Date (gallons)**
Total quantity of water used on-site (not including treated water)	0	0
Of that total amount, provide quantity:		
Public potable water supply usage	0	0
Surface water usage	0	0
On-site groundwater usage	0	0
Collected or diverted storm water usage	0	0

Provide a description of any implemented water consumption reduction programs for the Site in the space provided on Page 3.

V. Land Use and Ecosystems: Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

	Current Reporting Period (acres)	**Total to Date (acres – approximate)**
Land disturbed	0	0
Land restored	0	0

Provide a description of any implemented land restoration/green infrastructure programs for the Site in the space provided on Page 3.

Description of green remediation programs reported above (Attach additional sheets if needed)
Energy Usage: Not Applicable for reporting period. A dual phase vapor extraction (DVE) system operated at the Site from 1999 to 2001. Energy usage from the system during this time is unknown.

Waste Generation:
Waste generated during the reporting period and previous reporting period includes personal protective equipment (e.g., disposable gloves), passive diffusion bags (PDBs), bailers, packing material, and ice associated with groundwater sampling events. Monitoring well tethers to attach to the PDBs are reused.

Site investigation began in 1984. Activities included drinking water, groundwater, drum, air, and soil sampling; and groundwater monitoring well installation. Soil excavation as a part of remediation began in 1999, approximately 2,800 tons of soil, contaminated material, and used ties were removed from the Site and disposed of at an off-site landfill.

Transportation/Shipping:
Current reporting period transportation miles are associated with conducting site visits to perform routine annual site management activities, including site-wide inspections and groundwater gauging and sampling. Transportation includes consultant transportation activities and transport of collected field samples to the lab. Local Laboratories located in Buffalo, NY, approximately 50 miles from the Site, were utilized. No contractors were utilized during this reporting period. Generally, local staff are utilized to perform work at the Site. Staff primarily utilized at the Site are located between 50 and 100 miles from the Site.

Water usage:
Not Applicable for reporting period.

Land Use and Ecosystems:
The current site activities do not disturb land and/or ecosystems.

The 1999 and 2000 remedial action activities disturbed and restored less than 1 acre (approximately 0.13 acre), according to the surveyed Map Showing Well Locations and Excavation Area on Property Owned by Earl & Margaret Haight in the January 2001 Remediation Summary Report prepared by Ecology and Environment, Inc.

Recommendations/Other:
Not applicable.

CONTRACTOR CERTIFICATION

I, _____ (**Name**) do hereby certify that I am _____ (**Title**) of _____ (**Contractor Name**), which is responsible for the work documented on this form. According to my knowledge and belief, all of the information provided in this form is accurate and the site management program complies with the DER-10, DER-31, and CP-49 policies.

_____

Date **Contractor**

APPENDIX B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

HAIGHT FARM SITE - NYSDEC SITE NO. 837006

SITE HISTORY

Date	Description
1969 - 1984	Approximately 40 drums of a waste mixture containing spent cutting oil and trichloroethylene (TCE) from Erdle Perforating Company, in Holley, NY were stored on the residential property and primary residence owned by the Earl Haight family.
December 1984	Approximately 200 gallons of the spent cutting oil and TCE waste mixture were spilled on the Site when the property owner attempted to remove the drums from the property. The New York State (NYS) Department of Environmental Conservation (NYSDEC) was informed about the spill during removal operations, and the NYSDEC subsequently removed 30 of the remaining damaged and degraded drums under the NYS Superfund Emergency Drum Removal Action Program.
December 1984 – July 1989	The Orleans County Department of Health (OCDOH) conducted a drinking water sampling event of six residential drinking water wells on, or adjacent to, the Haight property. TCE and various chlorinated solvent breakdown products were detected in three wells and carbon filters were installed at each of the affected residences.
January 1989	NYSDEC completed Phase 1 of an Engineering Investigation at Inactive Hazardous Waste Site (Site Characterization). The investigation concluded that the Site scored high enough on the Hazardous Ranking System (HRS) to require additional investigation, to fully characterize the spill and the impacts to the environment.
March 1989	A Consent Order (Index No. B8-0067-8412) was signed with the Potential Responsible Parties (PRPs), Erdle Perforating Company and Earl M. Haight, requiring them to conduct a remedial investigation (RI)/feasibility study (FS) at the Site.
November 1991	A RI was conducted at the Site by the PRPs to determine the nature and extent of contamination and evaluate remedial alternatives. TCE and 1,2-dichloroethene (DCE) were discovered in groundwater and soil at the Site. Following legal negotiations, the PRPs and the NYSDEC agreed that the PRPs were financially unable to continue the remedial program.
1995 – 1996	NYSDEC continued the RI/FS investigation to determine the extent of the on-site contamination and the extent of the off-site groundwater TCE plume through the NYS Superfund Program and to evaluate potential remedial alternatives.
1996	An IRM was completed at the Site, which included a pilot study for both soil vapor extraction (SVE) and dual phase vapor extraction (DVE).
January 1998	The FS Report was finalized and the NYSDEC issued a Record of Decision (ROD), which selected a remedial alternative that included on-site excavation with off-Site disposal for impacted site soil and an on-site DVE system, as the alternative for site-related groundwater.
1999 – 2001	NYSDEC completed RAs at the Site. Impacted soils were excavated and disposed off-site. A DVE system was constructed and operated until May 2001. A groundwater monitoring plan was implemented as part of the long-term site

	management, including additional monitoring well installations downgradient of the Site.
2000	New York Department of Health (NYSDOH) collected water samples from the nearby residential groundwater supply wells. No site-related contaminants (TCE and DCE) were detected at concentrations above the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values (Class GA Values).
2001 – 2003	Hanson Aggregates, operator of the limestone quarry to the north of the Site (Clarendon Quarry), connected the private residences in the area to the public water supply system. This action was the result of the impacts from groundwater drawdown due to the quarry's dewatering system.
2003	Three sets of pumping wells used for dewatering the quarry and a sump within the quarry were included in the monitoring well network, to monitor for potential impact from the Site related COCs and the plume migration associated with groundwater pumping. These include monitoring wells MW-00-10S, MW-00D, MW-25-04S, MW-25-04D, MW-26-04S, and MW-26-04S, MW-26-04D as well as the Quarry Sump.
April 2006	Six bedrock monitoring wells MW-17S, MW-18S, MW-18D, MW-19S, MW-19D, and MW-20D were installed north of the Site and south of the Hanson Aggregate Quarry, to evaluate the extent of the groundwater plume, and to determine the leading edge of the plume. These wells were included in the Site's monitoring network.
2005	NYSDEC conducted indoor air sampling at two or three proposed residences near the Site. The associated results indicated that the indoor air was not impacted by site contamination, and no mitigation of soil vapor was necessary.
2009	Site sampling was reduced from semi-annual frequency to an annual frequency, with sample collection targeting September/October (period of historically high CVOC results).
2010	The NYSDEC reclassified the Site from a Class 2 Inactive Hazardous Waste Disposal Site (IHWDS) to a Class 4 IHWDS.
2012	NYSDEC completed an Annual Operation, Monitoring and Maintenance Report for the site inspection and groundwater monitoring event completed for 2011, in accordance with the 2006 Operation, Maintenance and Monitoring (OM&M) Plan.
2013	NYSDEC completed an Annual Operation, Monitoring and Maintenance Report for the site inspection and groundwater sampling and monitoring event completed in for 2012 accordance with the 2006 OM&M Plan.
2015	NYSDEC completed a Periodic Review Report (PRR) for the reporting period of 2013-2015. An annual site inspection and groundwater monitoring event were completed in 2014. This work was also completed in accordance with the 2006 OM&M plan.
2020	A PRR was completed by TRC Engineers, Inc. (TRC) documenting site management activities conducted during the March 2015 through May 2020 reporting period.
2024	A Site Management Plan (SMP) was prepared for the Site by TRC in April 2024.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

HAIGHT FARM SITE - NYSDEC SITE NO. 837006

CUSTODIAL RECORD AND PERTINENT SITE DOCUMENTS)

NYSDEC, *Engineering Investigations at Inactive Hazardous Waste Sites in the State of New York, Phase I Investigations,* Haight Farm Site, January 1989

NYSDEC, *Remedial Investigation Report,* Haight Farm Site, November 1991

NYSDEC, *Phase II Remedial Investigation Report,* Haight Farm Site, July 1996

NYSDEC, *Decision Document, Interim Remedial Measure,* Haight Farm Site, July 1996

NYSDEC, *Responsiveness Summary for the IRM Decision Document,* Haight Farm Site, October 1996

NYSDEC, *Feasibility Study,* Haight Farm Site, January 1998

NYSDEC, *Proposed Remedial Action Plan,* Haight Farm Site, January 1998

NYSDEC, *Summary of analytical results of residential well sampling for 4878 Upper Holley Road and 4885 Upper Holley Road, December1984 through October 1997,* Haight Farm Site, March 1998

NYSDEC, *Record of Decision,* Haight Farm Site, March 1998

BISCO Environmental, *Dual Phase Extraction Remediation System Operation/Maintenance Manual,* Haight Farm Site, December 1999

Iyer Environmental Group, PLLC, *Final Status Report,* Haight Farm Site, August 2000

Ecology and Environment, Inc., *Work Plan for Operation and Maintenance for the Haight Farm Site*, September 2000

Empire Geo-Services, Inc., *Subsurface Investigation and Monitoring Well Installations,* Haight Farm Site, November 2006

NYSDEC, *Site Classification Report,* Haight Farm Site, October 2010

Hanson Aggregates New York LLC, *Annual Groundwater Report, April 2010 through October 2010,* Haight Farm Site, January 2011

NYSDEC, *2011 Annual Operation, Monitoring and Maintenance Report,* Haight Farm Site, January 2012

Hanson Aggregates New York LLC, *Annual Groundwater Report April 2012 through October 2012,* Haight Farm Site, December 2012

NYSDEC, *2012 Annual Operation, Monitoring and Maintenance Report,* Haight Farm Site, January 2013

NYSDEC, *Memo – Periodic Review Report for Haight Farm (837006),* April 2015

TRC Engineering Inc. (TRC), *Periodic Review Report, March 2015 – May 2020, Haight Farm Site, Clarendon, New York 14429,* May 2020

TRC, *Haight Farm Site, Clarendon, Orleans County, New York, Site Management Plan, NYSDEC Site Number 837006,* April 2024

APPENDIX C

Enclosure 1
Engineering Controls - Standby Consultant/Contractor Certification Form

Site Details **Box 1**

Site No. **837006**

Site Name **Haight Farm**

Site Address: 4879 Upper Holly Road Zip Code: 14429
City/Town: Clarendon
County: Orleans
Site Acreage: 1.0

Reporting Period: February 28, 2020 to February 28, 2025

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. To your knowledge has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. To your knowledge has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. To your knowledge have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. To your knowledge is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Residential, Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

_____ _____
Signature of Standby Consultant/Contractor Date

SITE NO. 837006 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
109.-1-41	EARL & MARGARET HAIGHT	Ground Water Use Restriction Landuse Restriction Monitoring Plan

Environmental Notice restricts land-use to residential, commercial or industrial and restricts groundwater use unless treated appropriately for the end use, as may be approved by DOH and DEC.

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification, including data and material prepared by previous contractors for the current certifying period, if any;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

   YES NO

   ☐ ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) nothing has occurred that would constitute a failure to comply with the Site Management Plan, or equivalent if no Site Management Plan exists.

   YES NO

   ☐ ☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

_____ _____

Signature of Standby Consultant/Contractor Date

Box 6

IC/EC CERTIFICATIONS

Signature

I certify that all information in Boxes 2 through 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Matthew Hoskins, P.G. at TRC Engineers, Inc
print name

215 Greenfield Parkway, Suite 102

Liverpool, NY 13088,
(print business address)

am certifying as a Qualified Environmental Professional

Signature of  Stamp (Required for PE) Date 6/24/2025

APPENDIX D

TRC		**DATE: Thursday, October 29, 2020**
		REPORT NO. 20201029
		PAGE NO. 1 OF 2
		PROJECT NO. 320919.0000.0000
		LOGBOOK NO. -- PAGES -- to --

DAILY FIELD ACTIVITY REPORT

PROJECT	Haight Farm
LOCATION	Holly, New York
ATTACHMENTS	Photo Log

WEATHER	TIME	TEMP.	PRECIP.	WIND (MPH)	WIND (DIR)
Overcast	1030	45°F	None	5	E
Rain	1400	50°F	Yes	5	E

SITE CONDITIONS: Cloudy. rain

WORK GOAL FOR DAY: Site inspection and groundwater sampling

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Caitlin Serowik	TRC Engineers, Inc.	10:30	14:00
Nick Gier	TRC Engineers, Inc.	10:30	14:00

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL

HEALTH & SAFETY:

PPE REQUIRED: ☒ LEVEL D ☐ LEVEL C ☐ LEVEL B ☐ LEVEL A **HASP?** YES

SITE SAFETY OFFICER: Steve Johansson

H & S NOTES: Site work performed in Level D PPE

TRC		**DATE: Thursday, October 29, 2020**
		REPORT NO. 20201029
		PAGE NO. 2 OF 2
		PROJECT NO. 320919.0000.0000

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

TRC Engineers, Inc. (TRC) mobilized to conduct an annual site inspection and groundwater sampling event of the Haight Farm Site (Site) located on Upper Holly Road, in the Town of Holly, NY on October 29, 2020. The purpose of the site inspection was to document the overall site conditions, assess the condition of the groundwater monitoring wells, and deploy PDBs in the wells specified by the monitoring program.

During the site inspection, TRC was able to locate all nine on-site wells (MW-2S, MW-3S, MW-3D, MW-4S, MW-4D, MW-5S, MW-6S, MW-6D, and MW-7S). Additionally, TRC was able to locate nine of the twelve off-site wells included in the monitoring program (MW-10, MW-10S, MW-10D, MW-15S, MW-15D, MW-17D, MW-16S, MW-19S, and MW-19D). These on-site and off-site monitoring wells appear to be in good condition. Monitoring wells MW-8, MW-11, and MW-11S were not able to be located and have not been historically. The PDBs were deployed in 18 of the 21 wells located at request of the NYSDEC (MW-2S, MW-3S, MW-3D, MW-4S, MW-4D, MW-5S, MW-6S, MW-6D, MW-7S, MW-10S, MW-10D, MW-15S, MW-15D, and MW-17D). MW-10 did not have a PDB deployed, as the tether appeared to have detached itself and fallen into the well.

TRC returned to the Site on November 19, 2020 to conduct a gauging event, collect samples from the previously deployed PDBs and collect samples from the six off-site monitoring wells and sump located at the Hanson Quarry. During the gauging event, monitoring wells MW-10, MW-10s, and MW-26-4D were found to be dry. At Hanson Quarry only three of the six wells were able to be located and gauged (MW-10-00D, MW-26-4D, and MW-26-4S). The team searched for the remaining three monitoring wells located at the quarry, but were unable to locate them. The team collected samples from MW-10-00D and MW-26-4D with a bailer before collecting a sample from the sump. After demobilization from the quarry, the team headed back to collect samples from the previously deployed PDB's in the on-site and off-site wells. The PDB that was deployed in MW-10s was not sampled and left in the well. TRC demobilized from the Site and submitted the fourteen samples to Test America Laboratories for analysis using EPA method 8260C for Target Compound List (TCL) volatile organic compounds (VOCs) plus 10 Ternately Identified Compounds (TICs).

PREPARED BY (OBSERVER):	**REVIEWED BY:**
PRINT NAME: Caitlin Serowik	**PRINT NAME:** Nate Kranes

NYSDEC Haight Farm
Photograph Log
Date: November 19, 2020

Photo 1: Looking east at Haight Farm Site from Upper Holley Road.

Photo 2: Looking south east at the entrance gate to the Haight Farm Site from Upper Holley Road.

Photo 3: Looking west at monitoring wells MW-3S and MW-3D

Photo 4: Looking northwest at the sump area of the Hanson Quarry.

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
320919.0000 .0000	Cait Serowik	1 of 2	NYSDEC	Haight Farm Holly, NY	TRC

NYSDEC Haight Farm
Photograph Log
Date: November 19, 2020

Photo 5: Looking southeast towards the off-site Hanson Quarry well MW-10-00D.

Photo 6: Looking northwest at monitoring well MW-16S

TRC		**DATE: Thursday, October 14, 2021**
		REPORT NO. 20211014
		PAGE NO. 1 OF 2
		PROJECT NO. 320919.0000.0000
		LOGBOOK NO. -- PAGES -- to --

DAILY FIELD ACTIVITY REPORT

PROJECT	Haight Farm
LOCATION	Holly, New York
ATTACHMENTS	Photo Log

WEATHER	TIME	TEMP.	PRECIP.	WIND (MPH)	WIND (DIR)
Clear	1100	67°F	None	5	W
Clear	1400	76°F	Yes	3	E

SITE CONDITIONS: Clear, Dry

WORK GOAL FOR DAY: Site inspection and PDB sampling

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Caitlin Serowik	TRC Engineers, Inc.	10:30	15:00
Kevin Murphy	TRC Engineers, Inc.	10:30	15:00

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Water level meter	Huron		

HEALTH & SAFETY:

PPE REQUIRED: ☒ LEVEL D ☐ LEVEL C ☐ LEVEL B ☐ LEVEL A **HASP?** YES

SITE SAFETY OFFICER: Johnathan Bone

H & S NOTES: Site work performed in Level D PPE

TRC		**DATE: Thursday, October 14, 2021**
		REPORT NO. 20211014
		PAGE NO. 2 OF 2
		PROJECT NO. 320919.0000.0000

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

TRC Engineers, Inc. (TRC) mobilized to conduct an annual site inspection, groundwater gauging, and PDB deployment event of the Haight Farm Site (Site) located on Upper Holly Road, in the Town of Holly, NY on August 24, 2021. The purpose of the site inspection was to document the overall site conditions, assess the condition of the groundwater monitoring wells, and deploy PDBs in the wells specified by the monitoring program. TRC was able to locate all nine on-site wells (MW-2S, MW-3S, MW-3D, MW-4S, MW-4D, MW-5S, MW-6S, MW-6D, and MW-7S). Additionally, TRC was able to locate nine of the twelve off-site wells included in the monitoring program (MW-10, MW-10S, MW-10D, MW-15S, MW-15D, MW-16S, MW-17D, MW-19S, and MW-19D). All monitoring wells appear to be good condition. Wells MW-8, MW-11, and MW-11S were not able to be located and have not been historically. The team gauged monitoring well MW-20D and attempted to gauge MW-18S and MW-18D, but the wells were not able to be located during the visit. The PDBs were deployed in 17 of the 21 wells in the sampling network, as requested bythe NYSDEC (MW-2S, MW-3S, MW-3D, MW-4S, MW-4D, MW-5S, MW-6S, MW-6D, MW-7S, MW-10S, MW-10D, MW-15S, MW-15D, MW-16S, MW-17D, MW-19S, and MW-19D). During the gauging event, monitoring well MW-10 was found to be dry and did not have a PDB deployed during the event.

TRC returned to the Site on October 14, 2021, to collect samples from the previously deployed PDBs. TRC demobilized from the Site and submitted samples to Test America Laboratories for analysis using EPA method 8260C for Target Compound List (TCL) volatile organic compounds (VOCs) plus 10 Ternately Identified Compounds (TICs).

PREPARED BY (OBSERVER):	**REVIEWED BY:**
PRINT NAME: Caitlin Serowik	**PRINT NAME:**

NYSDEC Haight Farm
Photograph Log
Date: October 14, 2021

Photo 1: Looking south at monitoring well MW-5S located within in the fenced in area of the Site boundaries.

Photo 2: Looking south at monitoring wells MW-4S and MW-4D.

Photo 3: Looking south at monitoring wells MW-19S and MW-19D.

Photo 4: Looking northeast at an overview of the Site.

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
320919.0000 .0000	Cait Serowik	1 of 2	NYSDEC	Haight Farm Holly, NY	TRC

NYSDEC Haight Farm
Photograph Log
Date: October 14, 2021

Photo 5: Looking southwest at the Site entrance.

Photo 6: Looking downward at monitoring well MW-10S.

Photo 7: Looking south at an overview of the Site.

Photo 8: Looking monitoring wells MW-15S and MW-15D.

NYSDEC
Division of Environmental Remediation

Site Location: Haight Farm

Contract No.

DEC Insp. – N/a

DEC PM – Robert Strang

Contractor Supt. – N/a

Engineer PM – Matthew Hoskins

Engineer Insp. – Matthew Schappert and Liz Alvut

Weather Conditions				
General Description	Overcast	AM	Clear	PM
Temperature	48°F	AM	55°F	PM
Wind	5 mph SW	AM	5 mph SW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No X	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Site-specific HASP was followed accordingly

Summary of Work Performed	Arrived at site:	**11/01/2022 0930**	Departed Site:	**1330**
		11/16/2022 0900		**1200**

TRC Engineers, Inc. (TRC) performed an annual site inspection and groundwater sampling events on Tuesday, November 1, 2022 and Wednesday November 16, 2022 of the Haight Farm (Site) located at 4879 Upper Holley Road, in the Town of Clarendon, in Orleans County, NY. The purpose of the site inspection was to document overall site conditions, assess the condition of groundwater monitoring wells, and deploy passive diffusion bags (PDBs) in the wells specified by the Site Management Plan (SMP).

The landfill cap cover appeared to be in good condition. The vegetative cover system did not exhibit evidence of erosion, settlement, rutting, potholes, slippage, subsidence, or ponding. Vegetation on the cap ranges from approximately 0.25 – 0.5 feet in height and consists of grass. TRC recommends a new lock with code #2357 for the fence gate on the east side of the Site. The gate was open at the time of both Site inspections.

During the site inspection, TRC was able to locate all nine on-site wells (MW-2S, MW-3S, MW-3D, MW-4S, MW-4D, MW-5S, MW-6S, MW-6D and MW-7S) and nine of the 12 offsite wells included in the groundwater monitoring program of the SMP (MW-10, MW-10S, MW-10D, MW-15S, MW-15D, MW-16S, MW-17D, MW-19S, and MW-19D). All on-site and off-site wells appeared to be in good condition. TRC also located wells MW-18S and MW-18D, which could not be unlocked. These wells are not part of the sampling plan in the SMP, so TRC did not cut the locks. MW-20 had a previously deployed hydrasleeve installed in it. TRC did not remove the hydrasleeve. Monitoring wells MW-8, MW-11, and MW-11S were not located , which is consistent with previous site inspections. During the inspection, TRC took depth to water and total depth of all wells.

TRC deployed PDBs in the 16 on-site and off-site monitoring wells. MW-10 and MW-10S were dry and therefore PDBs were not deployed.

TRC returned to the Site on November 16, 2022 to collect samples from the previously deployed PDBs. The collected groundwater samples, and associated quality control samples (i.e., blind duplicates, matrix spikes and matrix spike duplicates, trip blanks) were relinquished using chain-of-custody documentation to PACE Service Center in Syracuse, New York for laboratory analysis using EPA Method 8260C for Target Compound List (TCL) volatile organic compounds (VOCs).

Equipment/Material Tracking **If any box below is checked "Yes", provide explanation under "Material Tracking Comments".**			
Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA X
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Matthew Schappert	TRC	Project Scientist	7
Liz Alvut	TRC	Environmental Scientist	7

Equipment Description	Contractor/Vendor	Quantity	Used
Water level Meter	Eco-rental	1	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
N/A	N/A	N/A	N/A	N/A	N/A	N/A

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments: N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
N/A	**N/A**	**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
N/A	**N/A**

Project Schedule Comments

N/A

Issues Pending

N/A

Interaction with Public, Property Owners, Media, etc.

N/A

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: Access gate facing east, well MW-2S visible

Photo 2: Northwest corner of landfill facing northeast, wells MW-4S and MW-4D visible

Photo 3: PDB to be deployed in well MW-4D

Photo 4: Well MW-5S, facing east

	
Photo 5: Well MW-7S, facing east	**Photo 6:** Open gate on eastern side of Site fence, facing east
	
Photo 7: Inside Site fence, facing northwest	**Photo 8**: Dense vegetation covering wells MW-15D and 15S, facing north

	
Photo 9: Well MW-15S	**Photo 10:** Viewing the field that well sets 10, 15 and 17 fringe, facing west
	
Photo 11: Viewing the field from the east side, facing southwest	**Photo 12:** Site on 11-16-2022, facing east

Comments
N/A

Site Inspector(s): Matthew Schappert, Liz Alvut	**Date: 11/1/2022**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐

Comments: N/A

On-Site Waste Storage

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: N/A			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒

Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: N/A			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Comments: N/A			

* BART – Best Available Retrofit Technology

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Access COC's and Support Requests

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Company Name:	TRC
Address:	[illegible]
Phone:	[illegible]
Project Name:	[illegible]
Project Location:	[illegible]
Project Number:	470744.0020
Project Manager:	Matthew Hoskins
Pace Quote Name/Number:	
Invoice Recipient:	MHOSKINS@TRCCOMPANIES.COM
Sampled By:	Matt Schmidt

Requested Turnaround Time: 7-Day ☑ 10-Day ☐ PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Data Delivery: Format: PDF ☑ EXCEL ☐ Other: CLP Like Data Pkg Required: ☐ Email To: Fax To #:

Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter

Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter

PCB ONLY: SOXHLET ☐ NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1] Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	8260 TCL/TIC
	TRIP BLANK	—	—	G	GW		X					X
	MW-2S	0927	11/16/22				X					X
	MW-4S	0940					X					X
	DUP 01	1200					X					X
	MW-4D	0945					X					X
	MW-4D-MS	0945					X					X
	MW-4D-MSD	0945					X					X
	MW-3S	0954					X					X
	MW-3D	0957					X					X
	MW-6S	1000	↓	↓	↓		X					X

[2] Preservation Code: I

Courier Use Only
Total Number Of:
VIALS____
GLASS____
PLASTIC____
BACTERIA____
ENCORE____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 1415 11/16/22
Received by: (signature)	Date/Time: 11/16 14:02
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Federal ☐ City ☐
Municipality ☐ 21 J ☐ Brownfield ☐
MWRA ☐ School ☐ MBTA ☐
WRTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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Access COC's and Support Requests

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 5_07/13/2021

Page 2 of 2

Company Name:	TRC
Address:	650 Suffield Street, Suite 102, Longmeadow, MA 01106
Phone:	
Project Name:	Westfield Gas
Project Location:	
Project Number:	470744.0020
Project Manager:	Matthew Mockler
Pace Quote Name/Number:	
Invoice Recipient:	MHOSKINS@TRCOMPANIES.COM
Sampled By:	Matt Sullivan

Requested Turnaround Time			
7-Day	☑	10-Day	☐
PFAS 10-Day (std)	☐	Due Date:	

Rush-Approval Required			
1-Day	☐	3-Day	☐
2-Day	☐	4-Day	☐

Data Delivery			
Format:	PDF ☑	EXCEL	☐
Other:			
CLP Like Data Pkg Required:	☐		
Email To:			
Fax To #:			

Dissolved Metals Samples	
○	Field Filtered
○	Lab to Filter

Orthophosphate Samples	
○	Field Filtered
○	Lab to Filter

PCB ONLY

SOXHLET ☐

NON SOXHLET ☐

ANALYSIS REQUESTED

Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	8260 TCL/TIC H
	MW-6D	1005	11/16/22	G	GW							
	MW-5S	1010	"	"	"							
	MW-7S	1017	"	"	"							
	MW-19S	1034	"	"	"							
	MW-19D	1037	"	"	"							
	MW-16S	1046	"	"	"							
	MW-17D	1058	"	"	"							
	MW-15D	1105	"	"	"							
	MW-15S	1108	"	"	"							
	MW-10D	1111	↓	↓	↓							

Relinquished by: (signature)		Date/Time: 11/16/22
Received by: (signature)		Date/Time: 11/16 14:02
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Client Comments:

Detection Limit Requirements	
MA	
CT	
Other:	

Special Requirements	
☐	MA MCP Required
	MCP Certification Form Required
☐	CT RCP Required
	RCP Certification Form Required
☐	MA State DW Required
PWSID #	

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity

Government	☐	Municipality	☐	MWRA	☐	WRTA	☐
Federal	☐	21 J	☐	School	☐		
City	☐	Brownfield	☐	MBTA	☐		

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

Disclaimer: Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

[2] Preservation Code

Courier Use Only

Total Number Of:

VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Pace Analytical is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

NYSDEC
Division of Environmental Remediation

Site Location: Haight Farm

Contract No.
DEC Insp. – N/a
DEC PM – Robert Strang
Contractor Supt. – N/a
Engineer PM – Matthew Hoskins
Engineer Insp. – Matthew Schappert and Jake Massaro

Weather Conditions

General Description	Clear	AM	N/A	PM
Temperature	75°F	AM	N/A	PM
Wind	0 - 5 mph W	AM	N/A	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No X	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**1005**	Departed Site:	**1020**

TRC Engineers, Inc. (TRC) performed a post-storm inspection on Wednesday, August 9, 2023, of the Haight Farm site (Site) located at 4879 Upper Holley Road, in the Town of Clarendon, Orleans County, New York. The purpose of the Site inspection was to observe the landfill cap, perimeter fence and monitoring wells after recent storm events.

Overall, the Site was in good condition. The landfill cap vegetative cover was mowed recently and had no signs of storm damage. TRC found the west access gate unlocked and open. The east access gate near MW-7S was found to have a cut lock and was open. The fence line was overgrown with vegetation on the north and east sides. TRC closed and locked the west access gate upon completion of the inspection.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA X
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Matthew Schappert	TRC	Project Scientist	0.25
Jake Massaro	TRC	Environmental Intern	0.25

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
N/A	N/A	N/A	N/A	N/A	N/A	N/A

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments: N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
N/A	**N/A**	**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**
N/A	**N/A**

Project Schedule Comments
N/A

Issues Pending
N/A

Interaction with Public, Property Owners, Media, etc.
N/A

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: Access gate of capped area found to be open upon TRC arriving, facing southwest.

Photo 2: Vegetation overgrowth on fence in southeast corner of Site, facing southeast.

Photo 3: Landfill cap, facing northwest.

Photo 4: East access gate found to be open, facing east.

Photo 5: Front access gate locked by TRC when leaving, facing east.

Photo 6: East fence-line, facing north

Photo 7: Landfill cap, facing south.

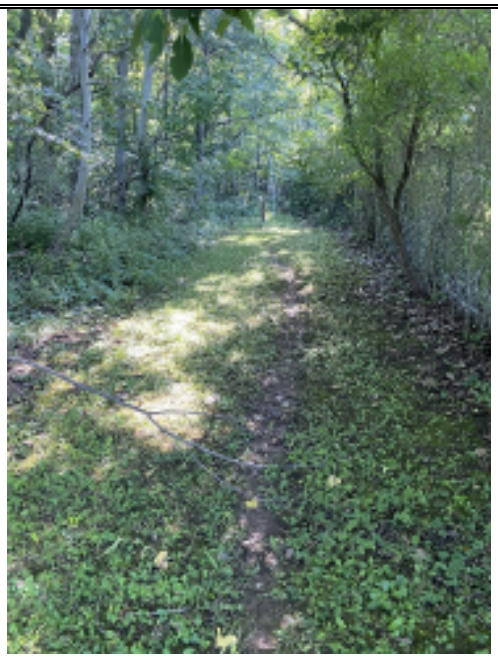


Photo 8: Path to MW-6S and MW-6D, facing east.

Comments

N/A

Site Inspector(s): Matthew Schappert, Jake Massaro

Date: 8/9/2022

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐

Comments: N/A

On-Site Waste Storage

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: N/A			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☒
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒

Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: N/A			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Comments: N/A			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

Site Location: Haight Farm

Contract No.

DEC Insp. – N/a

DEC PM – Robert Strang

Contractor Supt. – N/a

Engineer PM – Matthew Hoskins

Engineer Insp. – Nick Gier, Ethan Cerne and Matt Schappert

Weather Conditions

General Description	Cloudy	AM	N/A	PM
Temperature	58° F, 47° F	AM	60° F, 49° F	PM
Wind	10 - 15 mph W	AM	10 - 15 mph W	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Site-specific HASP was followed accordingly.

Summary of Work Performed	Arrived at site:	**11/7/24 0830**	Departed Site:	**1300**
		11/21/24 0900		**1300**

TRC Engineers, Inc. (TRC) performed an annual site inspection and well gauging event on Thursday, November 7, 2024, of the Haight Farm (Site) located at 4879 Upper Holley Road, in the Town of Clarendon, Orleans County, NY. The purpose of the site inspection was to document overall site conditions, assess the condition of groundwater monitoring wells, gauge the monitoring wells for depth to groundwater, and deploy passive diffusion bags (PDBs) in the wells specified by the Site Management Plan (SMP).

The landfill cap cover appeared to be in good condition. The vegetative cover system did not exhibit evidence of erosion, settlement, rutting, potholes, slippage, subsidence, or ponding. Vegetation on the cap ranges from approximately 0.25 – 0.5 feet in height and consists of grass. TRC closed and padlocked the access gate upon exiting the fenced portion of the Site.

Depth to groundwater and total well depth measurements were collected from 19 of the monitoring wells. Water level measurements are provided on the attached monitoring well observation table. MW-3S, MW-4S, and MW-5S were observed to be missing a J-plug. TRC staff did not have replacement plugs on-hand, so replacement is recommended during the next site inspection. The cap of MW-15D is broken and the lock had previously been cut. Wells MW-8S, MW-11, and MW-11S could not be located, which is consistent with previous site inspections. The riser and J-plug of MW-19S are too tall for the cap to be closed and locked. TRC observed the cap previously closed and locked with the J-plug removed for proper clearance. MW-18S and MW-18D could not be located. They had been located during a 2022 site inspection but were not gauged then as well due to the locks being seized, and not being on the list of wells to be sampled. MW-16S was missing a lock, so TRC recommends installing a new lock during the next site inspection. MW-10-00S, MW-10-00D, MW-25-04S, MW-25-04D, MW-26-04S, and MW-26-04D (Quarry Wells) were not located.

PDBs were deployed in MW-2S, MW-3S, MW-3D, MW-4S, MW-4D, MW-5S (Large PDB), MW-6S, MW-6D, MW-7S (Large PDB), MW-10D, MW-15S, MW-15D MW-16S, MW-17D, MW-19S, MW-19D.

TRC returned to the site on Thursday, November 21st, to collect samples and redeploy PDBs at all previously deployed locations. Additionally, TRC was able to locate wells MW-10-00S, MW-10-00D, MW-25-04S, MW-25-04D, MW-26-04S, and MW-26-04D.

The collected groundwater samples, and associated quality control samples (i.e. blind duplicates, matrix spikes, matrix spike duplicates and trip blanks) were relinquished using chain-of-custody documentation to the PACE service center in Syracuse, NY for Laboratory analysis using EPA method 8260C for Target Compound List (TCL) Volatile Organic Compounds (VOCs).

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA X
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Nick Gier	TRC	Project Manager	4.5
Ethan Cerne	TRC	Environmental Scientist	4.5
Matt Schappert	TRC	Associate Project Manager	4

Equipment Description	Contractor/Vendor	Quantity	Used
Water Level Meter	Eco-Rental	1	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
N/A	N/A	N/A	N/A	N/A	N/A	N/A

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments: N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
N/A	**N/A**	**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
N/A	**N/A**

Project Schedule Comments

N/A

Issues Pending

N/A

Interaction with Public, Property Owners, Media, etc.

As TRC staff were preparing to depart the Site at approximately 12:45, they were approached by an adjacent landowner, Allen Robinson (Phone # 585-301-6888). He asked that TRC provide prior notice for future events where TRC accesses monitoring wells on the properties west of Upper Holley Road.

He also indicated that he previously had an agreement with the NYSDEC to receive hard copies of groundwater analytical reports for the Site and would like to receive them again. Not having a clear answer for him, his information was passed along to the TRC project manager to follow up on the request.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

Photo 1: MW-15D broken casing cap and previously cut lock. Cap is unsecured, but able to close flush.

Photo 2: MW-19S unable to close cap due to riser and J-plug sitting too high.

Photo 3: TRC staff standing in indicated location of MW-8S facing east. Unable to locate.

Photo 4: Access gate at back of capped area broken open, facing east. Condition noted in previous site inspections.

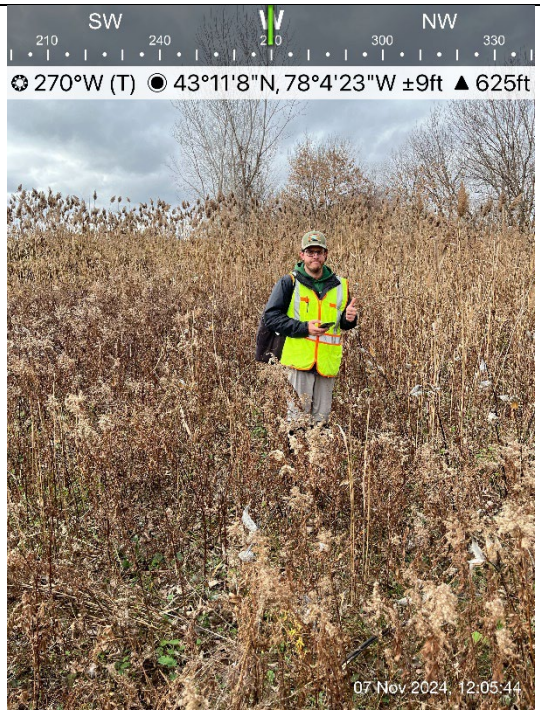


Photo 5: TRC staff standing in indicated location of MW-10-00S facing west. Unable to locate.

Photo 6: TRC Staff standing in indicated location of MW-26-04S facing northeast. Unable to locate.

Photo 7: MW-15S/D location marked with tall PVC pole in overgrown area facing north.

Photo 8: Standing in the approximate location of MW-18S and MW-18D facing northwest. TRC was unable to locate wells.

	
Photo 9: View of site, facing east.	**Photo 10:** View of MW-4S and MW-4D, facing north.
	
Photo 11: MW-7S, facing east.	**Photo 12:** MW-19S and MW-19D, facing south.

Comments
N/A

Site Inspector(s): Ethan Cerne, Nick Gier and Matt Schappert	**Date: 11/07/2024 and 11/21/24**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐

On-Site Waste Storage

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: N/A			

Nuisance Checklist

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒

If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: N/A			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Comments: N/A			

* BART – Best Available Retrofit Technology

APPENDIX E

Data Usability Summary Report

Site: Haight Farms
Laboratory: Eurofins TestAmerica Buffalo – Amherst, NY
SDG No.: 480-178504-1
Parameters: Volatile Organic Compounds (VOCs)
Data Reviewer: Amy Bass/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: January 21, 2021

Samples Reviewed and Evaluation Summary

19 Groundwater Samples: HF-MW-2S, HF-MW-3D, HF-MW-3S, HF-MW-4D, HF-MW-4S, HF-MW-5S, HF-MW-6D, HF-MW-6S, HF-MW-7S, HF-MW-10D, HF-MW-10-00D, HF-MW-15D, HF-MW-15S, HF-MW-16S, HF-MW-17D, HF-MW-19D, HF-MW-19S, HF-MW-26-4D, HF-SUMP

1 Equipment Blank Sample: HF-EB

1 Trip Blank Sample: TRIP BLANK

The above-listed groundwater, equipment blank, and trip blank samples were collected on November 19 and 20, 2020, and were analyzed for VOCs by SW-846 Method 8260C. The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-017-002),* January 2017, modified for the SW-846 methodology utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
	•	Blanks
*	•	Surrogate Recoveries
	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
*	•	Internal Standards
*	•	Laboratory Control Sample (LCS) Results
NA	•	Field Duplicate Results
	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification
*	•	Tentatively Identified Compounds (TICs)

*	-	All criteria were met.
NA	-	A field duplicate pair was not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane in select samples due to low initial and continuing calibration response factors. Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for acetone and 2-butanone in select samples were qualified as nondetect (U) due to equipment blank contamination. These results can be used for project objectives as nondetects, which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane were rejected (R) in select samples due to low relative response factors (RRFs) in initial and continuing calibrations. These results cannot be used for project objectives, which has a major impact on the data usability.

- Potential uncertainty exists for select VOC results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for trichlorofluoromethane and dichlorodifluoromethane in sample HF-MW-19S and acetone, dichlorodifluoromethane, carbon disulfide, 1,1,2-trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, and 2-butanone in samples HF-MW-7S and HF-MW-15S were qualified as estimated (UJ) due to continuing calibration (CC) nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive result for trichloroethene in sample HF-MW-4S was qualified as estimated (J-) with a potential low bias due to MS and MSD recoveries below the laboratory acceptance limits. This result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with one exception. The laboratory did not report LCS and MS/MSD percent recoveries (%Rs) and relative percent differences (RPDs) for total xylenes on the summary forms. These parameters were calculated during this review, and values were within the laboratory acceptance criteria. No validation actions were taken on this basis.

It was noted that the collection date entered for sample HF-EB (11/19/20) did not match the collection date recorded on the chain of custody (11/20/20); the collection times are in agreement. No validation action was taken on this basis.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

GC/MS Tunes

All method acceptance criteria were met.

Initial and Continuing Calibrations

All correlation coefficients and percent relative standard deviations were within the method acceptance criteria in the initial calibrations (ICs) associated with the samples in this data set. The following table summarizes the RRFs that did not meet the acceptance criteria in the ICs associated with the samples in this data set, the associated samples, and the validation actions.

IC	Analyte	Average RRF	Validation Actions
11/18/20 HP5973N	1,4-Dioxane	0.0031	The nondetect results for 1,4-dioxane were rejected (R) in the associated sample.
Associated sample: HF-MW-19S			
11/19/20 HP5973S	1,4-Dioxane	0.0071	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: HF-MW-7S, HF-MW-15S			

The following table summarizes the RRF and percent difference or percent drift (%D) values that did not meet the acceptance criteria in CC standards associated with the samples in this data set, the associated samples, and the validation actions.

CC	Analyte	RRF	%D	Validation Actions
CCVIS 480-560833/4 11/25/20 @08:45 HP5973C	2-Butanone	-	-27.7	Qualification was not required since 2-butanone was not reported from the diluted analyses of the associated samples.
Associated samples: HF-MW-3S (DL), HF-MW-4S (DL)				
CCVIS 480-561218/3 11/29/20 @08:19 HP5973N	1,4-Dioxane	0.0049	56.7	The nondetect result for 1,4-dioxane was rejected (R) in the associated sample.
	Dichlorodifluoromethane	-	29.1	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated sample.
	Trichlorofluoromethane	-	22.9	
Associated sample: HF-MW-19S				
CCVIS 480-560826/3 11/25/20 @08:03 HP5973S	Acetone	-	24.0	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated samples.
	Dichlorodifluoromethane	-	21.8	
	Carbon disulfide	-	20.4	
	1,1,2-Trichloro-1,2,2-trifluoroethane	-	22.1	
	Trichlorofluoromethane	-	26.8	

CC	Analyte	RRF	%D	Validation Actions
	2-Butanone	-	22.7	
	1,4-Dioxane	-	44.7	Further qualification was not required since the 1,4-dioxane results were rejected in the associated samples due to an IC nonconformance.
Associated samples: HF-MW-7S, HF-MW-15S				

Blanks

Target analytes were not detected in the laboratory method blanks or in the trip blank associated with this sample set. The table below summarizes the analytes detected in the equipment blank and the resulting validation actions.

Blank ID	Compound	Blank Concentration	2x Blank Concentration	Validation Actions
HF-EB	2-Butanone	15 µg/L	30 µg/L	The positive results for 2-butanone in samples HF-MW-6D, HF-MW-6S, and HF-MW-7S were qualified as nondetect (U) at the QL since these results were <QL. The positive results for 2-butanone in samples HF-MW-3D, HF-MW-3S, HF-MW-4S, HF-MW-4D, HF-MW-2S, HF-MW-16S, HF-MW-17D, and HF-MW-15D were qualified as nondetect (U) at the reported concentration since these results were >QL and <2× the blank concentration. Qualification was not required in the remaining samples since 2-butanone was nondetect.
	Acetone	6.0 J µg/L	12 µg/L	The positive results for acetone in samples HF-MW-6D, HF-MW-3D, HF-MW-3S, HF-MW-4S, HF-MW-4D, HF-MW-2S, HF-MW-10-00D, HF-MW-16S, HF-MW-19D, HF-MW-19S, HF-MW-17D, HF-MW-15D, HF-MW-10D, HF-MW-7S, and HF-MW-15S were qualified as nondetect (U) at the QL since these results were <QL. Qualification was not required in the remaining samples since acetone was nondetect.
Associated samples: All groundwater samples in this data set				

Surrogate Recoveries

The surrogate recoveries met the laboratory acceptance criteria.

MS/MSD Results

MS/MSD analyses were performed on samples HF-MW-4S, HF-MW-2S, and HF-MW-19S. The following table summarizes the MS/MSD %Rs and RPDs that did not meet the laboratory acceptance criteria in the MS/MSD analyses and the resulting validation actions.

MS/MSD Parent Sample ID	Compound	MS / MSD %R (%)	RPD (%)	MS \ RPD QC Limits	Validation Action
HF-MW-4S	Trichloroethene	55 / 52	-	74-123 \ 16	The positive result for trichloroethene in sample HF-MW-4S was qualified as estimated (J-) with a potential low bias.
HF-MW-2S	1,4-Dioxane	- / -	26	50-150 \ 20	Qualification was not required since these VOCs were nondetect in sample HF-MW-2S.
	Isopropylbenzene	123 / -	-	77-122 \ 20	
HF-MW-19S	1,1,1-Trichloroethane	132 / 127	-	73-126 \ 15	Qualification was not required since these VOCs were nondetect in sample HF-MW-19S.
	1,1-Dichloroethane	125 / -	-	77-120 \ 20	
	1,1-Dichloroethene	131 / 130	-	66-127 \ 16	
	2-Butanone	146 / -	-	57-140 \ 20	
	2-Hexanone	128 / -	-	65-127 \ 15	
	Carbon tetrachloride	140 / 141	-	72-134 \ 15	
	Chloromethane	130 / 128	-	68-124 \ 15	
	1,4-Dioxane	157 / 158	-	50-150 \ 20	
	Dichlorodifluoromethane	- / 145	-	59-135 \ 20	

Note that the laboratory did not report MS/MSD %Rs and RPDs for total xylenes. The %Rs and RPDs were calculated during validation and were within the laboratory acceptance criteria.

Internal Standards

All internal standards met the method acceptance criteria.

LCS Results

An LCS was analyzed with each daily analytical batch. All criteria were met.

Note that the laboratory did not report LCS %Rs for total xylenes. The %Rs were calculated during validation and were within the laboratory acceptance criteria.

Field Duplicate Results

A field duplicate pair was not submitted with this sample set.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; no errors were noted. The following table summarizes the dilutions performed for the sample analyses; QLs were elevated accordingly by the laboratory.

Sample ID	Dilution	Reason for Dilution
HF-MW-3S	4-fold	Samples were diluted due to the concentrations of trichloroethene which exceeded the calibration range in the initial undiluted analyses. The results of the diluted and undiluted analyses were combined during validation in order to report the lowest possible QLs and all results within the calibration range.
HF-MW-4S	5-fold	

Select VOC results were reported below the lowest calibration standard level and QL. These results

were qualified as estimated (J) in the associated samples by the laboratory.

Target Compound Identification

All criteria were met.

Tentatively Identified Compounds

The were no TICs in the laboratory method blanks, trip blank, or equipment blank. There were no issues noted regarding TIC identifications in the sample analyses.

QUALIFIED FORM 1s

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-6D Lab Sample ID: 480-178504-1

Matrix: Water Lab File ID: C2555.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:40

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 11:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~9.9~~	~~J~~ U	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~5.9~~	~~J~~ U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-6D Lab Sample ID: 480-178504-1

Matrix: Water Lab File ID: C2555.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:40

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 11:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	87		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-6D Lab Sample ID: 480-178504-1

Matrix: Water Lab File ID: C2555.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:40

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 11:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-6S Lab Sample ID: 480-178504-2

Matrix: Water Lab File ID: C2556.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:45

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 11:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~9.4~~	J U	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-6S Lab Sample ID: 480-178504-2

Matrix: Water Lab File ID: C2556.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:45

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 11:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	5.3		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-6S Lab Sample ID: 480-178504-2

Matrix: Water Lab File ID: C2556.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:45

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 11:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-3D Lab Sample ID: 480-178504-3

Matrix: Water Lab File ID: C2557.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:50

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 12:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~13~~	U	13 ~~10~~	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~6.4~~	~~J~~ U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	85		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-3D Lab Sample ID: 480-178504-3

Matrix: Water Lab File ID: C2557.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:50

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 12:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	2.5		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	8.5		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	87		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-3D Lab Sample ID: 480-178504-3

Matrix: Water Lab File ID: C2557.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:50

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 12:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-3S Lab Sample ID: 480-178504-4

Matrix: Water Lab File ID: C2558.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:55

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 12:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~10~~	U	10 ~~10~~	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~7.1~~	J U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	17		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-3S Lab Sample ID: 480-178504-4

Matrix: Water Lab File ID: C2558.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:55

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 12:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.1		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	*Trichloroethene*	*160*	*E*	*1.0*	*0.46*
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-3S Lab Sample ID: 480-178504-4

Matrix: Water Lab File ID: C2558.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:55

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 12:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-3S DL Lab Sample ID: 480-178504-4 DL

Matrix: Water Lab File ID: C2613.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:55

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 11:15

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560833 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
123-91-1	1,4-Dioxane	ND		160	37
156-59-2	cis-1,2-Dichloroethene	15		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-3S DL Lab Sample ID: 480-178504-4 DL

Matrix: Water Lab File ID: C2613.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:55

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 11:15

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560833 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	150		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-3S DL Lab Sample ID: 480-178504-4 DL

Matrix: Water Lab File ID: C2613.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:55

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 11:15

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560833 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-4S Lab Sample ID: 480-178504-5

Matrix: Water Lab File ID: C2559.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 12:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	0.29	J	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~12~~	U	12 ~~10~~	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~5.6~~	J U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	9.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-4S Lab Sample ID: 480-178504-5

Matrix: Water Lab File ID: C2559.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 12:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	*Trichloroethene*	*220*	*E*	*1.0*	*0.46*
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-4S Lab Sample ID: 480-178504-5

Matrix: Water Lab File ID: C2559.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 12:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-4S DL Lab Sample ID: 480-178504-5 DL

Matrix: Water Lab File ID: C2614.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:00

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 11:40

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560833 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-00-3	Chloroethane	ND		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
123-91-1	1,4-Dioxane	ND		200	47
156-59-2	cis-1,2-Dichloroethene	10		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
100-41-4	Ethylbenzene	ND		5.0	3.7
106-93-4	1,2-Dibromoethane	ND		5.0	3.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-4S DL Lab Sample ID: 480-178504-5 DL

Matrix: Water Lab File ID: C2614.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:00

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 11:40

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560833 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		5.0	4.0
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	ND		5.0	1.8
108-88-3	Toluene	ND		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	210	F1 J-	5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	ND		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-4S DL Lab Sample ID: 480-178504-5 DL

Matrix: Water Lab File ID: C2614.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:00

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 11:40

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560833 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-4D Lab Sample ID: 480-178504-6

Matrix: Water Lab File ID: C2560.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:05

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 13:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~12~~	U	12 ~~10~~	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~5.1~~	~~J~~ U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-4D Lab Sample ID: 480-178504-6

Matrix: Water Lab File ID: C2560.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:05

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 13:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-4D Lab Sample ID: 480-178504-6

Matrix: Water Lab File ID: C2560.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:05

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 13:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-2S Lab Sample ID: 480-178504-7

Matrix: Water Lab File ID: C2561.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:10

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 13:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~12~~	U	12 ~~10~~	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~5.4~~	~~J~~ U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND	~~F2~~	40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-2S Lab Sample ID: 480-178504-7

Matrix: Water Lab File ID: C2561.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:10

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 13:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND	F1	1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	17		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-2S Lab Sample ID: 480-178504-7

Matrix: Water Lab File ID: C2561.D

Analysis Method: 8260C Date Collected: 11/19/2020 17:10

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 13:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-EB Lab Sample ID: 480-178504-8

Matrix: Water Lab File ID: C2562.D

Analysis Method: 8260C Date Collected: 11/19/2020 14:30

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 14:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	15		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	6.0	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-EB Lab Sample ID: 480-178504-8

Matrix: Water Lab File ID: C2562.D

Analysis Method: 8260C Date Collected: 11/19/2020 14:30

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 14:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-EB Lab Sample ID: 480-178504-8

Matrix: Water Lab File ID: C2562.D

Analysis Method: 8260C Date Collected: 11/19/2020 14:30

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 14:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-178504-9

Matrix: Water Lab File ID: C2563.D

Analysis Method: 8260C Date Collected: 11/20/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 14:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-178504-9

Matrix: Water Lab File ID: C2563.D

Analysis Method: 8260C Date Collected: 11/20/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 14:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-178504-9

Matrix: Water Lab File ID: C2563.D

Analysis Method: 8260C Date Collected: 11/20/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 14:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-26-4D Lab Sample ID: 480-178504-10

Matrix: Water Lab File ID: C2564.D

Analysis Method: 8260C Date Collected: 11/19/2020 14:35

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 14:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	0.19	J	1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-26-4D Lab Sample ID: 480-178504-10

Matrix: Water Lab File ID: C2564.D

Analysis Method: 8260C Date Collected: 11/19/2020 14:35

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 14:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-26-4D Lab Sample ID: 480-178504-10

Matrix: Water Lab File ID: C2564.D

Analysis Method: 8260C Date Collected: 11/19/2020 14:35

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 14:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-10-00D Lab Sample ID: 480-178504-11

Matrix: Water Lab File ID: C2565.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 15:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~3.4~~	~~J~~ U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-10-00D Lab Sample ID: 480-178504-11

Matrix: Water Lab File ID: C2565.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 15:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-10-00D Lab Sample ID: 480-178504-11

Matrix: Water Lab File ID: C2565.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 15:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-SUMP Lab Sample ID: 480-178504-12

Matrix: Water Lab File ID: C2566.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:20

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 15:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-SUMP Lab Sample ID: 480-178504-12

Matrix: Water Lab File ID: C2566.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:20

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 15:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-SUMP Lab Sample ID: 480-178504-12

Matrix: Water Lab File ID: C2566.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:20

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 15:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-16S Lab Sample ID: 480-178504-13

Matrix: Water Lab File ID: C2567.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:35

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 16:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~14~~	U	14 ~~10~~	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~8.2~~	~~J~~ U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-16S Lab Sample ID: 480-178504-13

Matrix: Water Lab File ID: C2567.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:35

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 16:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	6.5		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-16S Lab Sample ID: 480-178504-13

Matrix: Water Lab File ID: C2567.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:35

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 16:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-19D Lab Sample ID: 480-178504-14

Matrix: Water Lab File ID: C2568.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:45

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 16:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND 7.1 ~~J~~ U		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-19D Lab Sample ID: 480-178504-14

Matrix: Water Lab File ID: C2568.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:45

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 16:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	2.2		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-19D Lab Sample ID: 480-178504-14

Matrix: Water Lab File ID: C2568.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:45

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 16:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-19S Lab Sample ID: 480-178504-15

Matrix: Water Lab File ID: N7871.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:50

Sample wt/vol: 5(mL) Date Analyzed: 11/29/2020 11:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 561218 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	~~F1~~	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND	~~F1~~	1.0	0.38
75-35-4	1,1-Dichloroethene	ND	~~F1~~	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND	~~F1~~	10	1.3
591-78-6	2-Hexanone	ND	~~F1~~	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	~~ND 7 7~~	~~J~~ U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND	~~F1~~	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	~~F1~~	1.0	0.35
123-91-1	1,4-Dioxane	~~ND~~	~~F1~~	~~40~~	~~9.3~~ R
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	~~F1~~ UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-19S Lab Sample ID: 480-178504-15

Matrix: Water Lab File ID: N7871.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:50

Sample wt/vol: 5(mL) Date Analyzed: 11/29/2020 11:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 561218 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	1.9		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-19S Lab Sample ID: 480-178504-15

Matrix: Water Lab File ID: N7871.D

Analysis Method: 8260C Date Collected: 11/19/2020 15:50

Sample wt/vol: 5(mL) Date Analyzed: 11/29/2020 11:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 561218 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	4.58	3.6	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-17D Lab Sample ID: 480-178504-16

Matrix: Water Lab File ID: C2569.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:05

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 16:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~13~~	U	13 ~~10~~	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~6.3~~	J U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-17D Lab Sample ID: 480-178504-16

Matrix: Water Lab File ID: C2569.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:05

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 16:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-17D Lab Sample ID: 480-178504-16

Matrix: Water Lab File ID: C2569.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:05

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 16:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-15D Lab Sample ID: 480-178504-17

Matrix: Water Lab File ID: C2570.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:10

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 17:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~11~~	U	11 ~~10~~	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~9.4~~	J U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-15D Lab Sample ID: 480-178504-17

Matrix: Water Lab File ID: C2570.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:10

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 17:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	89		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-15D Lab Sample ID: 480-178504-17

Matrix: Water Lab File ID: C2570.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:10

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 17:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-10D Lab Sample ID: 480-178504-18

Matrix: Water Lab File ID: C2571.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:20

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 17:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~6.6~~	~~J~~ U	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-10D Lab Sample ID: 480-178504-18

Matrix: Water Lab File ID: C2571.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:20

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 17:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	1.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	87		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-10D Lab Sample ID: 480-178504-18

Matrix: Water Lab File ID: C2571.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:20

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 17:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-5S Lab Sample ID: 480-178504-19

Matrix: Water Lab File ID: C2572.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:30

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 18:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	35		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	ND		40	9.3
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-5S Lab Sample ID: 480-178504-19

Matrix: Water Lab File ID: C2572.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:30

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 18:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	2.4		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-5S Lab Sample ID: 480-178504-19

Matrix: Water Lab File ID: C2572.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:30

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 18:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560627 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-7S Lab Sample ID: 480-178504-20

Matrix: Water Lab File ID: S4707.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:35

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 15:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND ~~6.8~~	~~J~~ UJ	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~8.4~~	~~J~~ UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND	UJ	1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	~~ND~~		~~40~~	~~9.3~~ R
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-7S Lab Sample ID: 480-178504-20

Matrix: Water Lab File ID: S4707.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:35

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 15:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-7S Lab Sample ID: 480-178504-20

Matrix: Water Lab File ID: S4707.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:35

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 15:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-15S Lab Sample ID: 480-178504-21

Matrix: Water Lab File ID: S4708.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:35

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 15:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND	UJ	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND ~~6.0 J~~	UJ	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND	UJ	1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
123-91-1	1,4-Dioxane	~~ND~~		~~40~~	~~9.3~~ R
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND	UJ	1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-15S Lab Sample ID: 480-178504-21

Matrix: Water Lab File ID: S4708.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:35

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 15:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	13		1.0	0.46
75-69-4	Trichlorofluoromethane	ND	UJ	1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Client Sample ID: HF-MW-15S Lab Sample ID: 480-178504-21

Matrix: Water Lab File ID: S4708.D

Analysis Method: 8260C Date Collected: 11/19/2020 16:35

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 15:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

QC NONCONFORMANCE DOCUMENTATION

FORM VI

GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA

CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.3298 1.7768	1.9297 1.8541	1.9826 1.8252	1.8386	1.6781	Ave		1.7769				11.4		20.0			
Benzene	5.1875 5.1481	5.2806 5.3237	6.0058 5.3554	5.5368	5.1581	Ave		5.3745			0.5000	5.3		20.0			
Isobutyl alcohol	0.0908 0.1186	0.0989 0.1308	0.1070 0.1405	0.1038	0.1146	Ave		0.1131				14.7		20.0			
1,2-Dichloroethane	2.9723 2.7142	2.8860 2.6745	3.1245 2.7035	2.7411	2.7048	Ave		2.8151			0.1000	5.8		20.0			
n-Heptane	3.7563 3.6543	3.8386 4.0154	4.8772 4.0022	3.9147	3.5811	Ave		3.9550				10.2		20.0			
Trichloroethene	1.0389 1.3721	1.4372 1.4350	1.5313 1.4118	1.4440	1.3720	Ave		1.3803			0.2000	10.6		20.0			
Methylcyclohexane	1.8357 2.1051	1.6061 2.2464	2.4237 2.2098	2.1240	1.9767	Ave		2.0659			0.1000	12.4		20.0			
1,2-Dichloropropane	1.7735 1.7039	1.6685 1.7403	1.9885 1.8045	1.6976	1.7015	Ave		1.7598			0.1000	5.8		20.0			
Dibromomethane	0.9378 0.9163	0.8804 0.9088	0.9846 0.9090	0.9087	0.9057	Ave		0.9189			0.1000	3.4		20.0			
1,4-Dioxane	0.0027 0.0031	0.0034 0.0031	0.0032 0.0031	0.0034	0.0028	Ave		0.0031				7.9		20.0			
Bromodichloromethane	1.4823 1.7333	1.5424 1.8177	1.8346 1.8556	1.6193	1.6239	Ave		1.6886			0.2000	8.4		20.0			
2-Chloroethyl vinyl ether	1.3193 1.2496	1.2200 1.2928	1.2190 1.3478	1.1944	1.2581	Ave		1.2626				4.2		20.0			
cis-1,3-Dichloropropene	1.9033 2.0977	1.7551 2.1876	2.0506 2.2516	1.9583	2.0188	Ave		2.0279			0.2000	7.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.2272 0.2640	0.2341 0.2609	0.2460 0.2648	0.2537	0.2580	Ave		0.2511			0.1000	5.6		20.0			
Toluene	0.7181 0.8806	0.8294 0.8885	1.0176 0.8949	0.9615	0.8776	Ave		0.8835			0.4000	10.0		20.0			
trans-1,3-Dichloropropene	0.3475 0.4872	0.4334 0.5175	0.4804 0.5316	0.4624	0.4474	Ave		0.4634			0.1000	12.4		20.0			
Ethyl methacrylate	0.3746 0.4390	0.3814 0.4432	0.3656 0.4578	0.4229	0.4049	Ave		0.4112				8.5		20.0			
1,1,2-Trichloroethane	0.2516 0.2611	0.2438 0.2522	0.2681 0.2537	0.2606	0.2367	Ave		0.2535			0.1000	3.9		20.0			
Tetrachloroethene	0.3678 0.4049	0.4094 0.4096	0.4961 0.4006	0.4341	0.3698	Ave		0.4115			0.2000	9.8		20.0			
1,3-Dichloropropane	0.5199 0.5330	0.4989 0.5212	0.5975 0.5362	0.5643	0.5162	Ave		0.5359				5.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.8490 2.2380	2.0806 2.3049	2.5800 2.1337	2.1914	2.2538	Ave		2.2039				9.4		20.0			
Benzene	5.1405 6.4651	6.7013 6.7352	6.6007 6.4174	6.8399	6.6284	Ave		6.4411			0.5000	8.4		20.0			
Isobutyl alcohol	0.0795 0.0781	0.1032 0.1016	0.0733 0.0990	0.0895	0.0705	Ave		0.0868				15.2		20.0			
1,2-Dichloroethane	2.3842 2.4139	2.5341 2.6155	2.6307 2.4212	2.5055	2.3378	Ave		2.4804			0.1000	4.4		20.0			
n-Heptane	2.4261 3.0785	2.5716 3.1474	3.3602 2.6306	3.1018	3.2194	Ave		2.9419				11.8		20.0			
Trichloroethene	1.6186 1.7071	1.5699 1.7485	1.7341 1.6581	1.6402	1.6752	Ave		1.6689			0.2000	3.6		20.0			
Methylcyclohexane	2.1137 2.9924	2.6956 3.0502	2.9218 2.7968	2.7955	2.8959	Ave		2.7827			0.1000	10.5		20.0			
1,2-Dichloropropane	1.6086 1.6636	1.6097 1.7546	1.6396 1.6444	1.7863	1.6827	Ave		1.6737			0.1000	3.9		20.0			
Dibromomethane	0.8523 1.0518	1.0723 1.0825	1.1995 1.0521	0.9957	1.0056	Ave		1.0390			0.1000	9.4		20.0			
1,4-Dioxane	+++++ 0.0072	0.0081 0.0074	0.0082 0.0063	0.0071	0.0054	Ave		0.0071				13.9		20.0			
Bromodichloromethane	1.9679 2.0443	1.8300 2.2127	1.9614 2.1265	1.9656	2.0630	Ave		2.0214			0.2000	5.8		20.0			
2-Chloroethyl vinyl ether	1.1129 1.1576	1.2953 1.3884	1.1175 1.1749	1.2125	1.1502	Ave		1.2012				8.0		20.0			
cis-1,3-Dichloropropene	2.0621 2.5265	2.1811 2.7210	2.4219 2.6174	2.4688	2.4488	Ave		2.4309			0.2000	8.9		20.0			
4-Methyl-2-pentanone (MIBK)	1.0699 1.1124	1.0034 1.1274	0.9893 1.1108	1.1171	0.9859	Ave		1.0645			0.1000	5.8		20.0			
Toluene	1.5623 1.9241	2.1470 1.9821	2.0872 1.9485	2.0380	1.9034	Ave		1.9491			0.4000	9.1		20.0			
trans-1,3-Dichloropropene	1.0113 1.1163	1.0805 1.1853	1.0165 1.1787	1.1003	1.0633	Ave		1.0940			0.1000	6.0		20.0			
Ethyl methacrylate	0.8849 0.9713	0.8379 1.0904	0.9630 1.0482	1.0103	0.9426	Ave		0.9686				8.5		20.0			
1,1,2-Trichloroethane	0.5923 0.6122	0.5421 0.5905	0.5660 0.5640	0.5985	0.5756	Ave		0.5801			0.1000	3.9		20.0			
Tetrachloroethene	0.6343 0.7965	0.7972 0.8068	0.9272 0.7608	0.8481	0.7985	Ave		0.7962			0.2000	10.3		20.0			
1,3-Dichloropropane	1.1493 1.1750	1.1976 1.2509	1.3132 1.2148	1.2961	1.2138	Ave		1.2263				4.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Lab Sample ID: CCVIS 480-560833/4 Calibration Date: 11/25/2020 08:45

Instrument ID: HP5973C Calib Start Date: 11/18/2020 15:16

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2020 18:12

Lab File ID: C2607.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.493	1.439	0.1000	24.1	25.0	-3.6	50.0
Chloromethane	Ave	1.460	1.333	0.1000	22.8	25.0	-8.7	20.0
Vinyl chloride	Ave	1.460	1.423	0.1000	24.4	25.0	-2.6	20.0
Butadiene	Ave	1.346	1.335		24.8	25.0	-0.8	20.0
Bromomethane	Ave	1.338	1.207	0.1000	22.6	25.0	-9.8	50.0
Chloroethane	Ave	1.016	0.9225	0.1000	22.7	25.0	-9.2	50.0
Dichlorofluoromethane	Ave	2.374	2.349		24.7	25.0	-1.1	20.0
Trichlorofluoromethane	Ave	2.419	2.508	0.1000	25.9	25.0	3.7	20.0
Ethyl ether	Ave	1.166	1.051		22.5	25.0	-9.9	20.0
Acrolein	Ave	0.0764	0.0450		73.6	125	~~-41.1~~	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.466	1.425	0.1000	24.3	25.0	-2.8	20.0
1,1-Dichloroethene	Ave	1.314	1.243	0.1000	23.7	25.0	-5.4	20.0
Acetone	Ave	0.6474	0.5318	0.1000	103	125	-17.9	50.0
Iodomethane	Ave	2.587	2.454		23.7	25.0	-5.1	20.0
Carbon disulfide	Ave	4.306	3.863	0.1000	22.4	25.0	-10.3	20.0
Allyl chloride	Ave	1.722	1.672		24.3	25.0	-2.9	20.0
Methyl acetate	Ave	1.364	1.176	0.1000	43.1	50.0	-13.8	50.0
Methylene Chloride	Lin1		1.372	0.1000	23.6	25.0	-5.6	20.0
2-Methyl-2-propanol	Ave	0.3215	0.1715		133	250	~~-46.6~~	50.0
Methyl tert-butyl ether	Ave	4.264	3.946	0.1000	23.1	25.0	-7.5	20.0
trans-1,2-Dichloroethene	Ave	1.485	1.433	0.1000	24.1	25.0	-3.5	20.0
Acrylonitrile	Ave	0.7357	0.7228		246	250	-1.8	20.0
Hexane	Ave	1.796	1.734		24.1	25.0	-3.4	20.0
1,1-Dichloroethane	Ave	2.349	2.275	0.2000	24.2	25.0	-3.2	20.0
Vinyl acetate	Ave	2.870	2.480		43.2	50.0	-13.6	20.0
2,2-Dichloropropane	Ave	1.487	1.720		28.9	25.0	15.7	20.0
cis-1,2-Dichloroethene	Ave	1.668	1.567	0.1000	23.5	25.0	-6.1	20.0
2-Butanone (MEK)	Ave	0.9297	0.6722	0.1000	90.4	125	-27.7*	20.0
Chlorobromomethane	Ave	0.9468	0.8480		22.4	25.0	-10.4	20.0
Tetrahydrofuran	Ave	0.7208	0.4210		29.2	50.0	~~-41.6~~*	20.0
Chloroform	Ave	2.660	2.378	0.2000	22.4	25.0	-10.6	20.0
1,1,1-Trichloroethane	Ave	2.019	2.072	0.1000	25.7	25.0	2.6	20.0
Cyclohexane	Ave	2.053	2.151	0.1000	26.2	25.0	4.7	20.0
Carbon tetrachloride	Ave	1.744	1.776	0.1000	25.5	25.0	1.8	20.0
1,1-Dichloropropene	Ave	1.825	1.793		24.6	25.0	-1.7	20.0
Benzene	Ave	5.205	4.812	0.5000	23.1	25.0	-7.6	20.0
Isobutyl alcohol	Ave	0.0996	0.0596		374	625	~~-40.1~~	50.0
1,2-Dichloroethane	Ave	1.997	1.856	0.1000	23.2	25.0	-7.1	20.0
n-Heptane	Ave	1.701	1.737		25.5	25.0	2.1	20.0
Trichloroethene	Ave	1.496	1.368	0.2000	22.9	25.0	-8.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Lab Sample ID: CCVIS 480-561218/3 Calibration Date: 11/29/2020 08:19

Instrument ID: HP5973N Calib Start Date: 11/18/2020 14:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2020 16:52

Lab File ID: N7863.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.225	1.581	0.1000	32.3	25.0	29.1	50.0
Chloromethane	Ave	3.004	3.442	0.1000	28.6	25.0	14.6	20.0
Butadiene	Ave	2.505	3.102		31.0	25.0	~~23.8~~*	20.0
Vinyl chloride	Ave	1.858	2.094	0.1000	28.2	25.0	12.7	20.0
Bromomethane	Ave	0.9447	0.8573	0.1000	22.7	25.0	-9.2	50.0
Chloroethane	Ave	1.074	1.108	0.1000	25.8	25.0	3.2	50.0
Dichlorofluoromethane	Ave	2.180	2.449		28.1	25.0	12.3	20.0
Trichlorofluoromethane	Ave	1.922	2.363	0.1000	30.7	25.0	22.9*	20.0
Ethyl ether	Ave	1.833	2.010		27.4	25.0	9.7	20.0
Acrolein	Ave	0.2186	0.2208		126	125	1.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.072	1.275	0.1000	29.7	25.0	18.9	20.0
1,1-Dichloroethene	Ave	1.025	1.153	0.1000	28.1	25.0	12.6	20.0
Acetone	Ave	0.9853	1.118	0.1000	142	125	13.5	50.0
Iodomethane	Ave	2.209	2.373		26.9	25.0	7.4	20.0
Carbon disulfide	Ave	3.249	3.562	0.1000	27.4	25.0	9.6	20.0
Allyl chloride	Ave	4.263	4.629		27.1	25.0	8.6	20.0
Methyl acetate	Ave	2.577	2.691	0.1000	52.2	50.0	4.4	50.0
Methylene Chloride	Lin1		1.372	0.1000	26.6	25.0	6.3	20.0
2-Methyl-2-propanol	Ave	0.2415	0.2740		284	250	13.4	50.0
Methyl tert-butyl ether	Ave	4.031	4.303	0.1000	26.7	25.0	6.7	20.0
trans-1,2-Dichloroethene	Ave	1.303	1.329	0.1000	25.5	25.0	2.0	20.0
Acrylonitrile	Ave	1.260	1.288		256	250	2.2	20.0
Hexane	Ave	3.024	3.579		29.6	25.0	18.4	20.0
1,1-Dichloroethane	Ave	3.053	3.141	0.2000	25.7	25.0	2.9	20.0
Vinyl acetate	Ave	6.030	7.234		60.0	50.0	20.0	20.0
2,2-Dichloropropane	Ave	1.312	1.540		29.3	25.0	17.3	20.0
cis-1,2-Dichloroethene	Ave	1.489	1.443	0.1000	24.2	25.0	-3.1	20.0
2-Butanone (MEK)	Ave	1.627	1.713	0.1000	132	125	5.2	20.0
Chlorobromomethane	Ave	0.8269	0.8567		25.9	25.0	3.6	20.0
Tetrahydrofuran	Ave	1.178	1.155		49.0	50.0	-2.0	20.0
Chloroform	Ave	2.527	2.446	0.2000	24.2	25.0	-3.2	20.0
1,1,1-Trichloroethane	Ave	1.902	2.116	0.1000	27.8	25.0	11.3	20.0
Cyclohexane	Ave	3.736	4.117	0.1000	27.5	25.0	10.2	20.0
Carbon tetrachloride	Ave	1.647	1.875	0.1000	28.5	25.0	13.8	20.0
1,1-Dichloropropene	Ave	1.777	1.905		26.8	25.0	7.2	20.0
Benzene	Ave	5.374	5.331	0.5000	24.8	25.0	-0.8	20.0
Isobutyl alcohol	Ave	0.1131	0.1504		831	625	~~32.9~~	50.0
1,2-Dichloroethane	Ave	2.815	2.820	0.1000	25.0	25.0	0.2	20.0
n-Heptane	Ave	3.955	4.558		28.8	25.0	15.2	20.0
Trichloroethene	Ave	1.380	1.413	0.2000	25.6	25.0	2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Lab Sample ID: CCVIS 480-561218/3 Calibration Date: 11/29/2020 08:19

Instrument ID: HP5973N Calib Start Date: 11/18/2020 14:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2020 16:52

Lab File ID: N7863.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.066	2.373	0.1000	28.7	25.0	14.9	20.0
1,2-Dichloropropane	Ave	1.760	1.787	0.1000	25.4	25.0	1.5	20.0
1,4-Dioxane	Ave	0.0031	0.0049		784	500	56.7*	50.0
Dibromomethane	Ave	0.9189	0.9242	0.1000	25.1	25.0	0.6	20.0
Bromodichloromethane	Ave	1.689	1.720	0.2000	25.5	25.0	1.9	20.0
2-Chloroethyl vinyl ether	Ave	1.263	1.222		24.2	25.0	-3.2	20.0
cis-1,3-Dichloropropene	Ave	2.028	2.145	0.2000	26.4	25.0	5.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2511	0.2538	0.1000	126	125	1.1	20.0
Toluene	Ave	0.8835	0.9099	0.4000	25.7	25.0	3.0	20.0
trans-1,3-Dichloropropene	Ave	0.4634	0.5012	0.1000	27.0	25.0	8.1	20.0
Ethyl methacrylate	Ave	0.4112	0.4165		25.3	25.0	1.3	20.0
1,1,2-Trichloroethane	Ave	0.2535	0.2565	0.1000	25.3	25.0	1.2	20.0
Tetrachloroethene	Ave	0.4115	0.4237	0.2000	25.7	25.0	3.0	20.0
1,3-Dichloropropane	Ave	0.5359	0.5170		24.1	25.0	-3.5	20.0
2-Hexanone	Ave	0.5275	0.5345	0.1000	127	125	1.3	20.0
Dibromochloromethane	Ave	0.3312	0.3691	0.1000	27.9	25.0	11.4	20.0
1,2-Dibromoethane	Ave	0.3272	0.3399		26.0	25.0	3.9	20.0
Chlorobenzene	Ave	1.042	1.033	0.5000	24.8	25.0	-0.9	20.0
Ethylbenzene	Ave	1.648	1.649	0.1000	25.0	25.0	0.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3489	0.3932		28.2	25.0	12.7	20.0
m,p-Xylene	Ave	0.6503	0.6411	0.1000	24.6	25.0	-1.4	20.0
o-Xylene	Ave	0.6339	0.6419	0.3000	25.3	25.0	1.3	20.0
Styrene	Ave	1.076	1.065	0.3000	24.7	25.0	-1.1	20.0
Bromoform	Ave	0.2004	0.2243	0.1000	28.0	25.0	11.9	50.0
Isopropylbenzene	Ave	3.060	2.981	0.1000	24.4	25.0	-2.6	20.0
Bromobenzene	Ave	0.8427	0.7841		23.3	25.0	-7.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7742	0.7118	0.3000	23.0	25.0	-8.1	20.0
N-Propylbenzene	Ave	3.537	3.399		24.0	25.0	-3.9	20.0
1,2,3-Trichloropropane	Ave	0.2736	0.2298		21.0	25.0	-16.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4213	0.3769		22.4	25.0	-10.5	50.0
2-Chlorotoluene	Ave	0.7555	0.7358		24.3	25.0	-2.6	20.0
1,3,5-Trimethylbenzene	Ave	2.624	2.520		24.0	25.0	-4.0	20.0
4-Chlorotoluene	Ave	2.259	2.063		22.8	25.0	-8.7	20.0
tert-Butylbenzene	Ave	0.5995	0.5905		24.6	25.0	-1.5	20.0
1,2,4-Trimethylbenzene	Ave	2.662	2.529		23.7	25.0	-5.0	20.0
sec-Butylbenzene	Ave	3.146	3.168		25.2	25.0	0.7	20.0
1,3-Dichlorobenzene	Ave	1.625	1.490	0.6000	22.9	25.0	-8.3	20.0
4-Isopropyltoluene	Ave	2.888	2.815		24.4	25.0	-2.5	20.0
1,4-Dichlorobenzene	Ave	1.636	1.530	0.5000	23.4	25.0	-6.5	20.0
n-Butylbenzene	Ave	2.450	2.345		23.9	25.0	-4.3	20.0
1,2-Dichlorobenzene	Ave	1.623	1.555	0.4000	24.0	25.0	-4.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Lab Sample ID: CCVIS 480-560826/3 Calibration Date: 11/25/2020 08:03

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4690.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.635	1.990	0.1000	30.4	25.0	21.8	50.0
Chloromethane	Ave	2.254	2.468	0.1000	27.4	25.0	9.5	20.0
Butadiene	Ave	2.198	2.650		30.1	25.0	~~20.5~~*	20.0
Vinyl chloride	Ave	1.944	2.112	0.1000	27.2	25.0	8.6	20.0
Bromomethane	Ave	1.158	1.089	0.1000	23.5	25.0	-6.0	50.0
Chloroethane	Ave	1.178	1.158	0.1000	24.6	25.0	-1.6	50.0
Dichlorofluoromethane	Ave	2.522	2.704		26.8	25.0	7.2	20.0
Trichlorofluoromethane	Ave	2.261	2.867	0.1000	31.7	25.0	26.8*	20.0
Ethyl ether	Ave	1.547	1.640		26.5	25.0	6.0	20.0
Acrolein	Ave	0.1467	0.1720		147	125	17.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.429	1.745	0.1000	30.5	25.0	22.1*	20.0
1,1-Dichloroethene	Ave	1.406	1.602	0.1000	28.5	25.0	13.9	20.0
Acetone	Ave	0.6773	0.8398	0.1000	155	125	24.0	50.0
Iodomethane	Ave	2.540	2.743		27.0	25.0	8.0	20.0
Carbon disulfide	Ave	4.212	5.069	0.1000	30.1	25.0	20.4*	20.0
Allyl chloride	Ave	2.649	3.218		30.4	25.0	~~21.5~~*	20.0
Methyl acetate	Ave	1.595	1.831	0.1000	57.4	50.0	14.8	50.0
Methylene Chloride	Lin1		1.729	0.1000	26.0	25.0	3.8	20.0
2-Methyl-2-propanol	Ave	0.1889	0.2448		324	250	~~29.6~~	50.0
Methyl tert-butyl ether	Ave	4.902	5.216	0.1000	26.6	25.0	6.4	20.0
trans-1,2-Dichloroethene	Ave	1.702	1.760	0.1000	25.9	25.0	3.4	20.0
Acrylonitrile	Ave	0.8538	0.9365		274	250	9.7	20.0
Hexane	Ave	2.646	3.305		31.2	25.0	~~24.9~~*	20.0
1,1-Dichloroethane	Ave	2.988	3.250	0.2000	27.2	25.0	8.8	20.0
Vinyl acetate	Ave	4.288	4.914		57.3	50.0	14.6	20.0
2,2-Dichloropropane	Ave	1.821	1.903		26.1	25.0	4.5	20.0
cis-1,2-Dichloroethene	Ave	1.809	1.950	0.1000	26.9	25.0	7.8	20.0
2-Butanone (MEK)	Ave	0.9896	1.214	0.1000	153	125	22.7*	20.0
Chlorobromomethane	Ave	0.8731	0.9541		27.3	25.0	9.3	20.0
Tetrahydrofuran	Ave	0.7140	0.7862		55.1	50.0	10.1	20.0
Chloroform	Ave	3.007	3.160	0.2000	26.3	25.0	5.1	20.0
1,1,1-Trichloroethane	Ave	2.360	2.756	0.1000	29.2	25.0	16.8	20.0
Cyclohexane	Ave	3.186	3.691	0.1000	29.0	25.0	15.8	20.0
Carbon tetrachloride	Ave	1.969	2.303	0.1000	29.2	25.0	17.0	20.0
1,1-Dichloropropene	Ave	2.204	2.403		27.3	25.0	9.0	20.0
Benzene	Ave	6.441	6.974	0.5000	27.1	25.0	8.3	20.0
Isobutyl alcohol	Ave	0.0868	0.0991		713	625	14.1	50.0
1,2-Dichloroethane	Ave	2.480	2.802	0.1000	28.2	25.0	13.0	20.0
n-Heptane	Ave	2.942	3.543		30.1	25.0	~~20.4~~*	20.0
Trichloroethene	Ave	1.669	1.850	0.2000	27.7	25.0	10.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Lab Sample ID: CCVIS 480-560826/3 Calibration Date: 11/25/2020 08:03

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4690.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.783	3.292	0.1000	29.6	25.0	18.3	20.0
1,2-Dichloropropane	Ave	1.674	1.864	0.1000	27.8	25.0	11.4	20.0
Dibromomethane	Ave	1.039	1.137	0.1000	27.3	25.0	9.4	20.0
1,4-Dioxane	Ave	0.0071	0.0103		724	500	44.7	50.0
Bromodichloromethane	Ave	2.021	2.187	0.2000	27.0	25.0	8.2	20.0
2-Chloroethyl vinyl ether	Ave	1.201	1.201		25.0	25.0	0.0	20.0
cis-1,3-Dichloropropene	Ave	2.431	2.627	0.2000	27.0	25.0	8.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.065	1.117	0.1000	131	125	5.0	20.0
Toluene	Ave	1.949	2.142	0.4000	27.5	25.0	9.9	20.0
trans-1,3-Dichloropropene	Ave	1.094	1.114	0.1000	25.5	25.0	1.9	20.0
Ethyl methacrylate	Ave	0.9686	0.9868		25.5	25.0	1.9	20.0
1,1,2-Trichloroethane	Ave	0.5801	0.6036	0.1000	26.0	25.0	4.0	20.0
Tetrachloroethene	Ave	0.7962	0.8827	0.2000	27.7	25.0	10.9	20.0
1,3-Dichloropropane	Ave	1.226	1.298		26.5	25.0	5.8	20.0
2-Hexanone	Ave	0.7554	0.8025	0.1000	133	125	6.2	20.0
Dibromochloromethane	Ave	0.6944	0.7361	0.1000	26.5	25.0	6.0	20.0
1,2-Dibromoethane	Ave	0.7555	0.7350		24.3	25.0	-2.7	20.0
Chlorobenzene	Ave	2.111	2.238	0.5000	26.5	25.0	6.0	20.0
Ethylbenzene	Ave	3.710	3.973	0.1000	26.8	25.0	7.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7403	0.7667		25.9	25.0	3.6	20.0
m,p-Xylene	Ave	1.393	1.525	0.1000	27.4	25.0	9.5	20.0
o-Xylene	Ave	1.393	1.472	0.3000	26.4	25.0	5.6	20.0
Styrene	Ave	2.207	2.456	0.3000	27.8	25.0	11.3	20.0
Bromoform	Ave	0.4242	0.3974	0.1000	23.4	25.0	-6.3	50.0
Isopropylbenzene	Ave	3.729	3.920	0.1000	26.3	25.0	5.1	20.0
Bromobenzene	Ave	0.9755	0.9769		25.0	25.0	0.2	20.0
1,1,2,2-Tetrachloroethane	Ave	1.052	1.003	0.3000	23.8	25.0	-4.7	20.0
N-Propylbenzene	Ave	4.575	4.778		26.1	25.0	4.4	20.0
1,2,3-Trichloropropane	Ave	0.3544	0.3372		23.8	25.0	-4.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2751	0.2238		20.3	25.0	-18.6	50.0
2-Chlorotoluene	Ave	0.9233	0.9151		24.8	25.0	-0.9	20.0
1,3,5-Trimethylbenzene	Ave	3.248	3.288		25.3	25.0	1.2	20.0
4-Chlorotoluene	Ave	0.9399	0.9519		25.3	25.0	1.3	20.0
tert-Butylbenzene	Ave	0.7553	0.7643		25.3	25.0	1.2	20.0
1,2,4-Trimethylbenzene	Ave	3.272	3.345		25.6	25.0	2.2	20.0
sec-Butylbenzene	Ave	4.232	4.322		25.5	25.0	2.1	20.0
1,3-Dichlorobenzene	Ave	1.921	1.933	0.6000	25.2	25.0	0.6	20.0
4-Isopropyltoluene	Ave	3.666	3.768		25.7	25.0	2.8	20.0
1,4-Dichlorobenzene	Ave	1.963	1.953	0.5000	24.9	25.0	-0.5	20.0
n-Butylbenzene	Ave	3.412	3.494		25.6	25.0	2.4	20.0
1,2-Dichlorobenzene	Ave	1.887	1.910	0.4000	25.3	25.0	1.2	20.0

FORM III

GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C2630.D

Lab ID: 480-178504-5 MS Client ID: HF-MW-4S MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Tetrachloroethene	125	ND	110	88	74-122	
Toluene	125	ND	113	91	80-122	
trans-1,2-Dichloroethene	125	ND	117	94	73-127	
trans-1,3-Dichloropropene	125	ND	110	88	80-120	
Trichloroethene	125	210	283	55	74-123	F1
Trichlorofluoromethane	125	ND	117	93	62-150	
Vinyl chloride	125	ND	112	89	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C2631.D

Lab ID: 480-178504-5 MSD Client ID: HF-MW-4S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Tetrachloroethene	125	105	84	4	20	74-122	
Toluene	125	108	86	5	15	80-122	
trans-1,2-Dichloroethene	125	116	93	1	20	73-127	
trans-1,3-Dichloropropene	125	105	84	4	15	80-120	
Trichloroethene	125	279	52	1	16	74-123	F1
Trichlorofluoromethane	125	113	90	4	20	62-150	
Vinyl chloride	125	112	90	1	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C2573.D

Lab ID: 480-178504-7 MS Client ID: HF-MW-2S MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	ND	29.1	116	73-126	
1,1,2,2-Tetrachloroethane	25.0	ND	28.5	114	76-120	
1,1,2-Trichloroethane	25.0	ND	26.6	106	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	26.6	106	61-148	
1,1-Dichloroethane	25.0	ND	28.2	113	77-120	
1,1-Dichloroethene	25.0	ND	27.6	111	66-127	
1,2,4-Trichlorobenzene	25.0	ND	28.7	115	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	27.3	109	56-134	
1,2-Dichlorobenzene	25.0	ND	28.2	113	80-124	
1,2-Dichloroethane	25.0	ND	28.5	114	75-120	
1,2-Dichloropropane	25.0	ND	27.0	108	76-120	
1,3-Dichlorobenzene	25.0	ND	27.5	110	77-120	
1,4-Dichlorobenzene	25.0	ND	26.6	107	78-124	
2-Butanone (MEK)	125	12	152	112	57-140	
2-Hexanone	125	ND	140	112	65-127	
4-Methyl-2-pentanone (MIBK)	125	ND	139	111	71-125	
Acetone	125	5.4 J	148	114	56-142	
Benzene	25.0	ND	28.4	114	71-124	
Bromodichloromethane	25.0	ND	27.2	109	80-122	
Bromoform	25.0	ND	24.2	97	61-132	
Bromomethane	25.0	ND	27.0	108	55-144	
Carbon disulfide	25.0	ND	25.2	101	59-134	
Carbon tetrachloride	25.0	ND	29.4	117	72-134	
Chlorobenzene	25.0	ND	27.0	108	80-120	
Dibromochloromethane	25.0	ND	26.1	104	75-125	
Chloroethane	25.0	ND	28.9	116	69-136	
Chloroform	25.0	ND	27.0	108	73-127	
Chloromethane	25.0	ND	29.0	116	68-124	
1,4-Dioxane	500	ND	686	137	50-150	
cis-1,2-Dichloroethene	25.0	ND	28.2	113	74-124	
cis-1,3-Dichloropropene	25.0	ND	26.0	104	74-124	
Cyclohexane	25.0	ND	27.4	110	59-135	
Dichlorodifluoromethane	25.0	ND	31.6	126	59-135	
Ethylbenzene	25.0	ND	28.1	113	77-123	
1,2-Dibromoethane	25.0	ND	27.6	110	77-120	
Isopropylbenzene	25.0	ND	30.7	123	77-122	F1
Methyl acetate	50.0	ND	53.6	107	74-133	
Methyl tert-butyl ether	25.0	ND	27.2	109	77-120	
Methylcyclohexane	25.0	ND	27.4	109	68-134	
Methylene Chloride	25.0	ND	28.8	115	75-124	
Styrene	25.0	ND	29.6	118	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C2574.D

Lab ID: 480-178504-7 MSD Client ID: HF-MW-2S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	29.9	120	3	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.9	108	6	15	76-120	
1,1,2-Trichloroethane	25.0	26.2	105	1	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.5	106	0	20	61-148	
1,1-Dichloroethane	25.0	28.2	113	0	20	77-120	
1,1-Dichloroethene	25.0	28.9	116	5	16	66-127	
1,2,4-Trichlorobenzene	25.0	26.9	108	6	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	25.7	103	6	15	56-134	
1,2-Dichlorobenzene	25.0	27.2	109	4	20	80-124	
1,2-Dichloroethane	25.0	28.0	112	2	20	75-120	
1,2-Dichloropropane	25.0	27.7	111	3	20	76-120	
1,3-Dichlorobenzene	25.0	27.2	109	1	20	77-120	
1,4-Dichlorobenzene	25.0	25.8	103	3	20	78-124	
2-Butanone (MEK)	125	154	114	1	20	57-140	
2-Hexanone	125	141	113	1	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	140	112	1	35	71-125	
Acetone	125	148	114	0	15	56-142	
Benzene	25.0	28.2	113	1	13	71-124	
Bromodichloromethane	25.0	27.9	111	2	15	80-122	
Bromoform	25.0	25.0	100	3	15	61-132	
Bromomethane	25.0	26.3	105	3	15	55-144	
Carbon disulfide	25.0	25.8	103	2	15	59-134	
Carbon tetrachloride	25.0	30.2	121	3	15	72-134	
Chlorobenzene	25.0	26.7	107	1	25	80-120	
Dibromochloromethane	25.0	25.9	104	1	15	75-125	
Chloroethane	25.0	26.3	105	9	15	69-136	
Chloroform	25.0	27.1	108	0	20	73-127	
Chloromethane	25.0	27.7	111	5	15	68-124	
1,4-Dioxane	500	526	105	26	20	50-150	F2
cis-1,2-Dichloroethene	25.0	28.2	113	0	15	74-124	
cis-1,3-Dichloropropene	25.0	27.4	110	5	15	74-124	
Cyclohexane	25.0	27.4	110	0	20	59-135	
Dichlorodifluoromethane	25.0	27.8	111	12	20	59-135	
Ethylbenzene	25.0	27.4	110	3	15	77-123	
1,2-Dibromoethane	25.0	27.2	109	2	15	77-120	
Isopropylbenzene	25.0	29.3	117	5	20	77-122	
Methyl acetate	50.0	53.6	107	0	20	74-133	
Methyl tert-butyl ether	25.0	27.8	111	2	37	77-120	
Methylcyclohexane	25.0	26.8	107	2	20	68-134	
Methylene Chloride	25.0	29.0	116	1	15	75-124	
Styrene	25.0	28.7	115	3	20	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N7884.D

Lab ID: 480-178504-15 MS Client ID: HF-MW-19S MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	ND	32.9	132	73-126	F1
1,1,2,2-Tetrachloroethane	25.0	ND	27.5	110	76-120	
1,1,2-Trichloroethane	25.0	ND	27.7	111	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	32.2	129	61-148	
1,1-Dichloroethane	25.0	ND	31.4	125	77-120	F1
1,1-Dichloroethene	25.0	ND	32.8	131	66-127	F1
1,2,4-Trichlorobenzene	25.0	ND	26.3	105	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	32.1	128	56-134	
1,2-Dichlorobenzene	25.0	ND	26.2	105	80-124	
1,2-Dichloroethane	25.0	ND	29.4	118	75-120	
1,2-Dichloropropane	25.0	ND	30.1	120	76-120	
1,3-Dichlorobenzene	25.0	ND	26.3	105	77-120	
1,4-Dichlorobenzene	25.0	ND	25.6	102	78-124	
2-Butanone (MEK)	125	ND	183	146	57-140	F1
2-Hexanone	125	ND	160	128	65-127	F1
4-Methyl-2-pentanone (MIBK)	125	ND	145	116	71-125	
Acetone	125	7.7 J	172	131	56-142	
Benzene	25.0	ND	29.0	116	71-124	
Bromodichloromethane	25.0	ND	30.6	122	80-122	
Bromoform	25.0	ND	29.4	117	61-132	
Bromomethane	25.0	ND	24.7	99	55-144	
Carbon disulfide	25.0	ND	29.3	117	59-134	
Carbon tetrachloride	25.0	ND	34.9	140	72-134	F1
Chlorobenzene	25.0	ND	26.8	107	80-120	
Dibromochloromethane	25.0	ND	29.1	116	75-125	
Chloroethane	25.0	ND	27.7	111	69-136	
Chloroform	25.0	ND	28.5	114	73-127	
Chloromethane	25.0	ND	32.6	130	68-124	F1
1,4-Dioxane	500	ND	785	157	50-150	F1
cis-1,2-Dichloroethene	25.0	ND	28.9	116	74-124	
cis-1,3-Dichloropropene	25.0	ND	29.4	117	74-124	
Cyclohexane	25.0	ND	30.3	121	59-135	
Dichlorodifluoromethane	25.0	ND	33.2	133	59-135	
Ethylbenzene	25.0	ND	26.9	107	77-123	
1,2-Dibromoethane	25.0	ND	28.3	113	77-120	
Isopropylbenzene	25.0	ND	27.3	109	77-122	
Methyl acetate	50.0	ND	60.9	122	74-133	
Methyl tert-butyl ether	25.0	ND	29.3	117	77-120	
Methylcyclohexane	25.0	ND	30.5	122	68-134	
Methylene Chloride	25.0	ND	30.0	120	75-124	
Styrene	25.0	ND	26.5	106	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178504-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N7885.D

Lab ID: 480-178504-15 MSD Client ID: HF-MW-19S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	31.8	127	4	15	73-126	F1
1,1,2,2-Tetrachloroethane	25.0	26.4	106	4	15	76-120	
1,1,2-Trichloroethane	25.0	27.3	109	1	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	34.0	136	6	20	61-148	
1,1-Dichloroethane	25.0	29.3	117	7	20	77-120	
1,1-Dichloroethene	25.0	32.5	130	1	16	66-127	F1
1,2,4-Trichlorobenzene	25.0	28.3	113	7	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	30.1	120	7	15	56-134	
1,2-Dichlorobenzene	25.0	27.8	111	6	20	80-124	
1,2-Dichloroethane	25.0	26.9	108	9	20	75-120	
1,2-Dichloropropane	25.0	27.5	110	9	20	76-120	
1,3-Dichlorobenzene	25.0	27.4	110	4	20	77-120	
1,4-Dichlorobenzene	25.0	26.9	107	5	20	78-124	
2-Butanone (MEK)	125	166	133	10	20	57-140	
2-Hexanone	125	145	116	9	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	141	112	3	35	71-125	
Acetone	125	154	117	11	15	56-142	
Benzene	25.0	27.2	109	7	13	71-124	
Bromodichloromethane	25.0	27.9	112	9	15	80-122	
Bromoform	25.0	29.3	117	0	15	61-132	
Bromomethane	25.0	25.2	101	2	15	55-144	
Carbon disulfide	25.0	30.6	122	5	15	59-134	
Carbon tetrachloride	25.0	35.4	141	1	15	72-134	F1
Chlorobenzene	25.0	28.2	113	5	25	80-120	
Dibromochloromethane	25.0	29.9	119	3	15	75-125	
Chloroethane	25.0	28.5	114	3	15	69-136	
Chloroform	25.0	27.2	109	5	20	73-127	
Chloromethane	25.0	32.1	128	2	15	68-124	F1
1,4-Dioxane	500	789	158	0	20	50-150	F1
cis-1,2-Dichloroethene	25.0	27.9	112	4	15	74-124	
cis-1,3-Dichloropropene	25.0	27.4	110	7	15	74-124	
Cyclohexane	25.0	31.8	127	5	20	59-135	
Dichlorodifluoromethane	25.0	36.2	145	9	20	59-135	F1
Ethylbenzene	25.0	28.3	113	5	15	77-123	
1,2-Dibromoethane	25.0	27.2	109	4	15	77-120	
Isopropylbenzene	25.0	29.5	118	8	20	77-122	
Methyl acetate	50.0	54.6	109	11	20	74-133	
Methyl tert-butyl ether	25.0	26.6	106	10	37	77-120	
Methylcyclohexane	25.0	32.7	131	7	20	68-134	
Methylene Chloride	25.0	28.9	116	4	15	75-124	
Styrene	25.0	27.8	111	5	20	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

Data Usability Summary Report

Site: Haight Farms
Laboratory: Eurofins TestAmerica Buffalo – Amherst, NY
SDG No.: 480-190941-1
Parameters: Volatile Organic Compounds (VOCs)
Data Reviewer: Kristen Morin/TRC
Peer Reviewer: Elizabeth Denly/TRC
Date: January 27, 2022

Samples Reviewed and Evaluation Summary

17 Groundwater Samples: HF-MW-2S, HF-MW-3D, HF-MW-3S, HF-MW-4D, HF-MW-4S, HF-MW-5S, HF-MW-6D, HF-MW-6S, HF-MW-7S, HF-MW-10D, HF-MW-10S, HF-MW-15D, HF-MW-15S, HF-MW-16S, HF-MW-17D, HF-MW-19D, HF-MW-19S

1 Equipment Blank Sample: HF-EB

1 Trip Blank Sample: TRIP BLANK

The above-listed groundwater, equipment blank, and trip blank samples were collected on October 14, 2021, and were analyzed for VOCs by SW-846 Method 8260C. The data validation was performed in accordance with *USEPA National Functional Guidelines for Organic Superfund Methods Data Review (EPA-540-R-20-005),* November 2020, modified for the SW-846 methodology utilized.

The data were evaluated based on the following parameters:

	•	Overall Evaluation of Data and Potential Usability Issues
	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
	•	Blanks
*	•	Surrogate Recoveries
	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
*	•	Internal Standards
*	•	Laboratory Control Sample (LCS) Results
NA	•	Field Duplicate Results
	•	Sample Results and Reported Quantitation Limits (QLs)
*	•	Target Compound Identification
	•	Tentatively Identified Compounds (TICs)

*	-	All criteria were met.
NA	-	Not applicable; a field duplicate pair was not submitted with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of 1,4-dioxane in select samples due to low initial calibration (IC) and continuing calibration (CC) relative response factors (RRFs). Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for acetone in all groundwater samples were qualified as nondetect (U) due to equipment blank contamination; these results were further qualified as estimated (UJ) in samples HF-MW-3S and HF-MW-4S due to a CC nonconformance. These results can be used for project objectives as nondetects and as nondetects with estimated QLs, which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for 1,4-dioxane were rejected (R) in samples HF-MW-3S and HF-MW-4S due to low RRFs in the IC and CC. These results cannot be used for project objectives, which has a major impact on the data usability.

- Potential uncertainty exists for select VOC results that were below the lowest calibration standard and QL. These results were qualified as estimated (J) in the associated samples. These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

- The nondetect results for select VOCs in all samples were qualified as estimated (UJ) due to CC nonconformances. These results can be used for project objectives as nondetects with estimated QLs, which may have a minor impact on the data usability.

- The positive and nondetect results for cis-1,3-dichloropropene, trans-1,3-dichloropropene, and trichloroethene in sample HF-MW-4S were qualified as estimated (J-/UJ) with a potential low bias due to low MS and/or MSD recoveries. These results can be used for project objectives as an estimated value and as nondetects with estimated QLs, which may have a minor impact on the data usability.

Data Completeness

The data package was a complete Level IV data deliverable package with one exception. The laboratory did not report LCS and MS/MSD percent recoveries (%Rs) and relative percent differences (RPDs) for total xylenes on the summary forms. These parameters were calculated during this review, and values were within the laboratory acceptance criteria. No validation actions were taken on this basis.

It was noted that the vials received for samples HF-MW-6S and HF-MW-6D all had a sample ID of HF-MW-6S. The laboratory used the collection dates and times listed on the vials to compare to the collection dates and times listed on the chain-of-custody to log these samples in accordingly. No validation action was taken on this basis.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met.

GC/MS Tunes

All method acceptance criteria were met.

Initial and Continuing Calibrations

All correlation coefficients and percent relative standard deviations were within the method acceptance criteria in the ICs associated with the samples in this data set. The following table summarizes the RRF that did not meet the acceptance criteria in one of the ICs associated with the samples in this data set, the associated samples, and the validation actions.

IC/ Instrument	Analyte	Average RRF	Validation Actions
10/04/21/ HP5975T	1,4-Dioxane	0.0083	The nondetect results for 1,4-dioxane were rejected (R) in the associated samples.
Associated samples: HF-MW-3S, HF-MW-4S			

The following table summarizes the RRF and percent difference or percent drift (%D) values for target compounds that did not meet the acceptance criteria in CC standards associated with the samples in this data set, the associated samples, and the validation actions.

CC/ Instrument	Analyte	RRF	%D	Validation Actions
CCVIS 480-600699/3/ HP5973S	Dichlorodifluoromethane	-	-21.2	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated samples.
	Trichlorofluoromethane	-	-29.1	
	1,1,2-Trichloro-1,2,2-trifluoroethane	-	-22.9	
	1,1-Dichloroethene	-	-24.2	
Associated samples: HF-MW-2S, HF-MW-3D, HF-MW-4D, HF-MW-5S, HF-MW-6D, HF-MW-6S, HF-MW-7S, HF-MW-10D, HF-MW-10S, HF-MW-15D, HF-MW-15S, HF-MW-16S, HF-MW-17D, HF-MW-19D, HF-MW-19S, HF-EB, TRIP BLANK				
CCVIS 480-601065/3/ HP5975T	Acetone	-	-23.7	The positive results for acetone in the associated samples were subsequently qualified as nondetect (U) due to equipment blank contamination; these results were further qualified as estimated (UJ).
	Bromomethane	-	20.2	The nondetect results for these VOCs were qualified as estimated (UJ) in the associated samples.
	Methylene Chloride	-	31.1	
	2-Hexanone	-	-22.0	
	Bromoform	-	-21.8	
	1,4-Dioxane	0.0071	-	Further qualification was not required since the 1,4-dioxane results were rejected in the associated samples due to an IC nonconformance.
Associated samples: HF-MW-3S, HF-MW-4S				
-: Met criteria				

Blanks

Target analytes were not detected in the laboratory method blanks or in the trip blank associated with this sample set. The table below summarizes the analyte detected in the equipment blank and the resulting validation actions.

Blank ID	Compound	Blank Concentration	2x Blank Concentration	Validation Actions
HF-EB	Acetone	27 µg/L	54 µg/L	The positive results for acetone in samples HF-MW-3D, HF-MW-6S, and HF-MW-19D were qualified as nondetect (U) at the QL since these results were <QL. The positive results for acetone in the remaining samples were qualified as nondetect (U) at the reported concentration since these results were >QL and <2× the blank concentration. These results were further qualified as estimated (UJ) due to a CC nonconformance in samples HF-MW-3S and HF-MW-4S.
Associated samples: All groundwater samples in this data set.				

Surrogate Recoveries

The surrogate recoveries met the laboratory acceptance criteria.

MS/MSD Results

MS/MSD analyses were performed on samples HF-MW-4S and HF-MW-6D. The following table summarizes the MS/MSD %Rs and RPDs that did not meet the laboratory acceptance criteria in the MS/MSD analyses and the resulting validation actions.

MS/MSD Parent Sample ID	Compound	MS/MSD %R (%)	RPD (%)	MS/RPD QC Limits	Validation Action
HF-MW-4S	cis-1,3-Dichloropropene	70/-	-	74-124/-	The positive and nondetect results for cis-1,3-dichloropropene, trans-1,3-dichloropropene, and trichloroethene in sample HF-MW-4S were qualified as estimated (J-/UJ) with a potential low bias.
	trans-1,3-Dichloropropene	79/-	-	80-120/-	
	Trichloroethene	-/58	-	74-123/-	
	Chloromethane	-/-	17	-/15	Qualification was not required since chloromethane was nondetect in sample HF-MW-4S.
HF-MW-6D	1,2-Dichloropropane	128/126	-	76-120/-	Qualification was not required since these VOCs were nondetect in sample HF-MW-6D.
	2-Butanone (MEK)	144/142	-	57-140/-	
	Chlorobenzene	123/-	-	80-120/-	
	Chloromethane	127/127	-	68-124/-	
	Styrene	124/121	-	80-120/-	
	Tetrachloroethene	132/129	-	74-122/-	
	Toluene	124/123	-	80-122/-	
	Trichloroethene	124/-	-	74-123/-	
-: Met criteria					

Note that the laboratory did not report MS/MSD %Rs and RPDs for total xylenes. The %Rs and RPDs were calculated during validation and were within the laboratory acceptance criteria.

Internal Standards

All internal standards met the method acceptance criteria.

LCS Results

An LCS was analyzed with each daily analytical batch. All criteria were met.

Note that the laboratory did not report LCS %Rs for total xylenes. The %Rs were calculated during validation and were within the laboratory acceptance criteria.

Field Duplicate Results

A field duplicate pair was not submitted with this sample set.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; no errors were noted. There were no dilutions performed on samples in this data set.

Select VOC results were reported below the lowest calibration standard level and QL. These results were qualified as estimated (J) in the associated samples by the laboratory.

Target Compound Identification

All criteria were met.

Tentatively Identified Compounds

The were no TICs in the laboratory method blanks and trip blank.

The following table summarizes the VOC TICs that were considered to be not detected in samples due to the presence of the same TIC in the associated VOC equipment blank. The remaining TICs found in the samples were not affected because these TICs were not present in the associated equipment blank.

Blank ID	Affected Samples	TIC: Sample Concentration (Retention Time)
HF-EB	HF-MW-2S	Unknown: 5.1 TJ µg/L (2.60 minutes) Ethyl acetate: 6.4 TJN µg/L (4.04 minutes)
	HF-MW-4D	Unknown: 8.2 TJ µg/L (2.61 minutes) Ethyl acetate: 7.6 TJN µg/L (4.04 minutes)
	HF-MW-4S	Unknown: 4.1 TJ µg/L (2.71 minutes) Ethyl acetate: 3.4 TJN µg/L (3.99 minutes)
	HF-MW-3D	Isopropyl alcohol: 6.3 TJN µg/L (2.60 minutes)
	HF-MW-3S	Unknown: 4.3 TJ µg/L (2.71 minutes) Ethyl acetate: 3.2 TJN µg/L (3.99 minutes)
	HF-MW-6S	Ethyl acetate: 4.6 TJN µg/L (4.04 minutes)
	HF-MW-6D	Unknown: 5.5 TJ µg/L (2.60 minutes) Unknown: 6.5 TJ µg/L (4.04 minutes)
	HF-MW-5S	Ethyl acetate: 6.1 TJN µg/L (4.04 minutes)
	HF-MW-7S	Unknown: 7.6 TJ µg/L (2.60 minutes) Ethyl acetate: 8.5 TJN µg/L (4.04 minutes)
	HF-MW-19D	Unknown: 3.8 TJ µg/L (2.60 minutes) Ethyl acetate: 7.3 TJN µg/L (4.04 minutes)
	HF-MW-19S	Unknown: 3.8 TJ µg/L (2.60 minutes) Ethyl acetate: 6.5 TJN µg/L (4.04 minutes)

Blank ID	Affected Samples	TIC: Sample Concentration (Retention Time)
HF-EB	HF-MW-16S	Unknown: 7.6 TJ µg/L (2.60 minutes) Ethyl acetate: 6.6 TJN µg/L (4.04 minutes)
	HF-MW-17D	Unknown: 3.1 TJ µg/L (2.60 minutes) Ethyl acetate: 11 TJN µg/L (4.04 minutes)
	HF-MW-15S	Unknown: 9.0 TJ µg/L (2.60 minutes) Ethyl acetate: 11 TJN µg/L (4.04 minutes)
	HF-MW-15D	Isopropyl alcohol: 10 TJN µg/L (2.60 minutes) Ethyl acetate: 9.5 TJN µg/L (4.04 minutes)
	HF-MW-10S	Unknown: 14 TJ µg/L (2.60 minutes) Ethyl acetate: 10 TJN µg/L (4.04 minutes)
	HF-MW-10D	Isopropyl alcohol: 16 TJN µg/L (2.60 minutes) Ethyl acetate: 9.1 TJN µg/L (4.04 minutes)

Upon review of the sample chromatograms, it appeared that sample HF-MW-3D contained a peak around the retention time for ethyl acetate (approximately 4.04 minutes) that was not identified by the laboratory. Since this peak was also found in the equipment blank and was considered to be not detected in the other samples in this sample set, the laboratory was not contacted about this issue. No validation actions were taken on this basis. There were no issues noted regarding TIC identifications in the remaining sample analyses.

QUALIFIED FORM 1s

Client Sample ID: HF-MW-2S

Date Collected: 10/14/21 11:10
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/16/21 12:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 12:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 12:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 12:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 12:36	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 12:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 12:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 12:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 12:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 12:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 12:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 12:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 12:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 12:36	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 12:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 12:36	1
Acetone	ND/19	U	~~10~~ 19	3.0	ug/L			10/16/21 12:36	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 12:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 12:36	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 12:36	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 12:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 12:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 12:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 12:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 12:36	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 12:36	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 12:36	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 12:36	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 12:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 12:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 12:36	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 12:36	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 12:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 12:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 12:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 12:36	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 12:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 12:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 12:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 12:36	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 12:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 12:36	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 12:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 12:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 12:36	1
Trichloroethene	18		1.0	0.46	ug/L			10/16/21 12:36	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 12:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 12:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 12:36	1

Client Sample ID: HF-MW-2S

Date Collected: 10/14/21 11:10
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-1

Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	5.1	T J	ug/L		2.60			10/16/21 12:36	1
Ethyl Acetate	6.4	T J N	ug/L		4.04	141-78-6		10/16/21 12:36	1
Unknown	3.5	T J	ug/L		10.66			10/16/21 12:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		10/16/21 12:36	1
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		10/16/21 12:36	1
4-Bromofluorobenzene (Surr)	95		73 - 120		10/16/21 12:36	1
Dibromofluoromethane (Surr)	100		75 - 123		10/16/21 12:36	1

Client Sample ID: HF-MW-4D

Date Collected: 10/14/21 11:20
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-2

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			10/16/21 12:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 12:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 12:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 12:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 12:59	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 12:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 12:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 12:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 12:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 12:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 12:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 12:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 12:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 12:59	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 12:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 12:59	1
Acetone	ND/16	U	10 16	3.0	ug/L			10/16/21 12:59	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 12:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 12:59	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 12:59	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 12:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 12:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 12:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 12:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 12:59	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 12:59	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 12:59	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 12:59	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 12:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 12:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 12:59	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 12:59	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 12:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 12:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 12:59	1

Client Sample ID: HF-MW-4D

Date Collected: 10/14/21 11:20
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 12:59	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 12:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 12:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 12:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 12:59	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 12:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 12:59	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 12:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 12:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 12:59	1
Trichloroethene	ND		1.0	0.46	ug/L			10/16/21 12:59	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 12:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 12:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 12:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
~~*Unknown*~~ Do not report	~~*8.2*~~	~~*T J*~~	~~*ug/L*~~		~~*2.61*~~			*10/16/21 12:59*	*1*
~~*Ethyl Acetate*~~ Do not report	~~*7.6*~~	~~*T J N*~~	~~*ug/L*~~		~~*4.04*~~	~~*141-78-6*~~		*10/16/21 12:59*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*10.66*			*10/16/21 12:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/16/21 12:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*10/16/21 12:59*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/16/21 12:59*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/16/21 12:59*	*1*

Client Sample ID: HF-MW-4S

Date Collected: 10/14/21 11:25
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-3

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			10/19/21 17:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/21 17:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/21 17:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/21 17:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/21 17:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/21 17:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/21 17:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/21 17:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/21 17:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/21 17:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/21 17:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/21 17:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/21 17:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/21 17:39	1
2-Hexanone	ND	UJ	5.0	1.2	ug/L			10/19/21 17:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/21 17:39	1
Acetone	ND/**11**	U J	~~10~~ 11	3.0	ug/L			10/19/21 17:39	1
Benzene	ND		1.0	0.41	ug/L			10/19/21 17:39	1

Client Sample ID: HF-MW-4S

Date Collected: 10/14/21 11:25
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/21 17:39	1
Bromoform	ND	UJ	1.0	0.26	ug/L			10/19/21 17:39	1
Bromomethane	ND	UJ	1.0	0.69	ug/L			10/19/21 17:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/21 17:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/21 17:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/21 17:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/21 17:39	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/21 17:39	1
Chloroform	ND		1.0	0.34	ug/L			10/19/21 17:39	1
Chloromethane	ND	~~F2~~	1.0	0.35	ug/L			10/19/21 17:39	1
1,4-Dioxane	R ~~ND~~		~~40~~	~~9.3~~	~~ug/L~~			~~10/19/21 17:39~~	~~1~~
cis-1,2-Dichloroethene	**1.4**		1.0	0.81	ug/L			10/19/21 17:39	1
cis-1,3-Dichloropropene	ND	~~F1~~ UJ	1.0	0.36	ug/L			10/19/21 17:39	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/21 17:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/21 17:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/21 17:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/21 17:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/21 17:39	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/21 17:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/21 17:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/21 17:39	1
Methylene Chloride	ND	UJ	1.0	0.44	ug/L			10/19/21 17:39	1
Styrene	ND		1.0	0.73	ug/L			10/19/21 17:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/21 17:39	1
Toluene	ND		1.0	0.51	ug/L			10/19/21 17:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/21 17:39	1
trans-1,3-Dichloropropene	ND	~~F1~~ UJ	1.0	0.37	ug/L			10/19/21 17:39	1
Trichloroethene	**65**	~~F1~~ J-	1.0	0.46	ug/L			10/19/21 17:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/21 17:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/21 17:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/21 17:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
~~*Unknown*~~ ~~Do not report~~	~~*4.1*~~	~~*T J*~~	~~*ug/L*~~		~~*2.71*~~			*10/19/21 17:39*	*1*
Ethyl Acetate ~~Do not report~~	*3.4*	*T J N*	*ug/L*		*3.99*	*141-78-6*		*10/19/21 17:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/19/21 17:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/19/21 17:39*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/19/21 17:39*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/19/21 17:39*	*1*

Client Sample ID: HF-MW-3D

Date Collected: 10/14/21 11:40
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-4

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			10/16/21 13:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 13:45	1

Client Sample ID: HF-MW-3D

Date Collected: 10/14/21 11:40
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 13:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 13:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 13:45	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 13:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 13:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 13:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 13:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 13:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 13:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 13:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 13:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 13:45	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 13:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 13:45	1
Acetone	ND ~~7.0~~ ~~J~~ 10U		10	3.0	ug/L			10/16/21 13:45	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 13:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 13:45	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 13:45	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 13:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 13:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 13:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 13:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 13:45	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 13:45	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 13:45	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 13:45	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 13:45	1
cis-1,2-Dichloroethene	**56**		1.0	0.81	ug/L			10/16/21 13:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 13:45	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 13:45	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 13:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 13:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 13:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 13:45	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 13:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 13:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 13:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 13:45	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 13:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 13:45	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 13:45	1
trans-1,2-Dichloroethene	**2.1**		1.0	0.90	ug/L			10/16/21 13:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 13:45	1
Trichloroethene	**5.7**		1.0	0.46	ug/L			10/16/21 13:45	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 13:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 13:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 13:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
~~*Isopropyl Alcohol*~~ Do not report	~~*6.3*~~	~~*T J N*~~	~~*ug/L*~~		~~*2.60*~~	~~*67-63-0*~~		*10/16/21 13:45*	*1*

Client Sample ID: HF-MW-3D

Date Collected: 10/14/21 11:40
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-4

Matrix: Water

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1-Hexanol, 2-ethyl-	3.7	T J N	ug/L		10.66	104-76-7		10/16/21 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		10/16/21 13:45	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/16/21 13:45	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/16/21 13:45	1
Dibromofluoromethane (Surr)	103		75 - 123		10/16/21 13:45	1

Client Sample ID: HF-MW-3S

Date Collected: 10/14/21 11:45
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/19/21 18:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/21 18:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/21 18:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/21 18:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/21 18:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/21 18:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/21 18:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/21 18:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/21 18:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/21 18:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/21 18:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/21 18:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/21 18:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/21 18:01	1
2-Hexanone	ND	UJ	5.0	1.2	ug/L			10/19/21 18:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/21 18:01	1
Acetone	ND/**12**	U J	~~10~~ 12	3.0	ug/L			10/19/21 18:01	1
Benzene	ND		1.0	0.41	ug/L			10/19/21 18:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/21 18:01	1
Bromoform	ND	UJ	1.0	0.26	ug/L			10/19/21 18:01	1
Bromomethane	ND	UJ	1.0	0.69	ug/L			10/19/21 18:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/21 18:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/21 18:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/21 18:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/21 18:01	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/21 18:01	1
Chloroform	ND		1.0	0.34	ug/L			10/19/21 18:01	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/21 18:01	1
1,4-Dioxane	R ~~ND~~		~~40~~	~~9.3~~	~~ug/L~~			~~10/19/21 18:01~~	~~1~~
cis-1,2-Dichloroethene	**3.8**		1.0	0.81	ug/L			10/19/21 18:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/21 18:01	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/21 18:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/21 18:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/21 18:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/21 18:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/21 18:01	1

Client Sample ID: HF-MW-3S

Date Collected: 10/14/21 11:45
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		2.5	1.3	ug/L			10/19/21 18:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/21 18:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/21 18:01	1
Methylene Chloride	ND	UJ	1.0	0.44	ug/L			10/19/21 18:01	1
Styrene	ND		1.0	0.73	ug/L			10/19/21 18:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/21 18:01	1
Toluene	ND		1.0	0.51	ug/L			10/19/21 18:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/21 18:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/21 18:01	1
Trichloroethene	**31**		1.0	0.46	ug/L			10/19/21 18:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/21 18:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/21 18:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/21 18:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Do not report	*4.3*	*T J*	*ug/L*		*2.71*			*10/19/21 18:01*	*1*
Ethyl Acetate Do not report	*3.2*	*T J N*	*ug/L*		*3.99*	*141-78-6*		*10/19/21 18:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/19/21 18:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/19/21 18:01*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/19/21 18:01*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/19/21 18:01*	*1*

Client Sample ID: HF-MW-6S

Date Collected: 10/14/21 11:50
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-6

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			10/16/21 14:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 14:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 14:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 14:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 14:32	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 14:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 14:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 14:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 14:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 14:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 14:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 14:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 14:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 14:32	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 14:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 14:32	1
Acetone	ND ~~7.2 J~~ 10U		10	3.0	ug/L			10/16/21 14:32	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 14:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 14:32	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 14:32	1

Client Sample ID: HF-MW-6S

Date Collected: 10/14/21 11:50
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-6

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			10/16/21 14:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 14:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 14:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 14:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 14:32	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 14:32	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 14:32	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 14:32	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 14:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 14:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 14:32	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 14:32	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 14:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 14:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 14:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 14:32	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 14:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 14:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 14:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 14:32	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 14:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 14:32	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 14:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 14:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 14:32	1
Trichloroethene	**7.5**		1.0	0.46	ug/L			10/16/21 14:32	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 14:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 14:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 14:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethyl Acetate	*4.8*	*T J N*	*ug/L*		*4.04*	*141-78-6*		*10/16/21 14:32*	*1*

Do not report

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/16/21 14:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/16/21 14:32*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/16/21 14:32*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/16/21 14:32*	*1*

Client Sample ID: HF-MW-6D

Date Collected: 10/14/21 11:55
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/16/21 14:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 14:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 14:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 14:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 14:55	1

Client Sample ID: HF-MW-6D

Date Collected: 10/14/21 11:55
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 14:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 14:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 14:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 14:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 14:55	1
1,2-Dichloropropane	ND	F1	1.0	0.72	ug/L			10/16/21 14:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 14:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 14:55	1
2-Butanone (MEK)	ND	F1	10	1.3	ug/L			10/16/21 14:55	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 14:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 14:55	1
Acetone	ND/11	U	10 11	3.0	ug/L			10/16/21 14:55	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 14:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 14:55	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 14:55	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 14:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 14:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 14:55	1
Chlorobenzene	ND	F1	1.0	0.75	ug/L			10/16/21 14:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 14:55	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 14:55	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 14:55	1
Chloromethane	ND	F1	1.0	0.35	ug/L			10/16/21 14:55	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 14:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 14:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 14:55	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 14:55	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 14:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 14:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 14:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 14:55	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 14:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 14:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 14:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 14:55	1
Styrene	ND	F1	1.0	0.73	ug/L			10/16/21 14:55	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			10/16/21 14:55	1
Toluene	ND	F1	1.0	0.51	ug/L			10/16/21 14:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 14:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 14:55	1
Trichloroethene	ND	F1	1.0	0.46	ug/L			10/16/21 14:55	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 14:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 14:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 14:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Do not report	*5.5*	*T J*	*ug/L*		*2.60*			*10/16/21 14:55*	*1*
Unknown Do not report	*6.5*	*T J*	*ug/L*		*4.04*			*10/16/21 14:55*	*1*

Client Sample ID: HF-MW-6D

Date Collected: 10/14/21 11:55
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/16/21 14:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/16/21 14:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/16/21 14:55*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/16/21 14:55*	*1*

Client Sample ID: HF-MW-5S

Date Collected: 10/14/21 12:15
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-8

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			10/16/21 15:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 15:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 15:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 15:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 15:18	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 15:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 15:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 15:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 15:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 15:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 15:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 15:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 15:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 15:18	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 15:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 15:18	1
Acetone	ND/18	U	~~10~~ - 18	3.0	ug/L			10/16/21 15:18	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 15:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 15:18	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 15:18	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 15:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 15:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 15:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 15:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 15:18	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 15:18	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 15:18	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 15:18	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 15:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 15:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 15:18	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 15:18	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 15:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 15:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 15:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 15:18	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 15:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 15:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 15:18	1

Client Sample ID: HF-MW-5S

Date Collected: 10/14/21 12:15
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 15:18	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 15:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 15:18	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 15:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 15:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 15:18	1
Trichloroethene	**8.1**		1.0	0.46	ug/L			10/16/21 15:18	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 15:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 15:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 15:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
~~*Ethyl Acetate*~~ Do not report	~~*6.1*~~	~~*T J N*~~	~~*ug/L*~~		~~*4.04*~~	~~*141-78-6*~~		*10/16/21 15:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/16/21 15:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/16/21 15:18*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/16/21 15:18*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/16/21 15:18*	*1*

Client Sample ID: HF-MW-7S

Date Collected: 10/14/21 12:25
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-9

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			10/16/21 15:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 15:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 15:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 15:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 15:41	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 15:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 15:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 15:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 15:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 15:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 15:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 15:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 15:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 15:41	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 15:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 15:41	1
Acetone	ND/**24**	U	~~10~~ 24	3.0	ug/L			10/16/21 15:41	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 15:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 15:41	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 15:41	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 15:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 15:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 15:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 15:41	1

Client Sample ID: HF-MW-7S

Date Collected: 10/14/21 12:25
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 15:41	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 15:41	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 15:41	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 15:41	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 15:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 15:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 15:41	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 15:41	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 15:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 15:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 15:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 15:41	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 15:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 15:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 15:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 15:41	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 15:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 15:41	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 15:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 15:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 15:41	1
Trichloroethene	ND		1.0	0.46	ug/L			10/16/21 15:41	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 15:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 15:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 15:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
~~Unknown~~ Do not report	*~~7.6~~*	*~~T J~~*	*~~ug/L~~*		*~~2.60~~*			*10/16/21 15:41*	*1*
~~Ethyl Acetate~~ Do not report	*~~8.5~~*	*~~T J N~~*	*~~ug/L~~*		*~~4.04~~*	*~~141-78-6~~*		*10/16/21 15:41*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*10.66*			*10/16/21 15:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/16/21 15:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/16/21 15:41*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/16/21 15:41*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/16/21 15:41*	*1*

Client Sample ID: HF-MW-19D

Date Collected: 10/14/21 12:50
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/16/21 16:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 16:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 16:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 16:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 16:05	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 16:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 16:05	1

Client Sample ID: HF-MW-19D

Date Collected: 10/14/21 12:50
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 16:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 16:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 16:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 16:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 16:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 16:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 16:05	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 16:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 16:05	1
Acetone	~~ND~~ **9.2**	~~U~~ **J**	10	3.0	ug/L			10/16/21 16:05	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 16:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 16:05	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 16:05	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 16:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 16:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 16:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 16:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 16:05	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 16:05	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 16:05	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 16:05	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 16:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 16:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 16:05	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 16:05	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 16:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 16:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 16:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 16:05	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 16:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 16:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 16:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 16:05	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 16:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 16:05	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 16:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 16:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 16:05	1
Trichloroethene	**0.47**	**J**	1.0	0.46	ug/L			10/16/21 16:05	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 16:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 16:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 16:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
~~Unknown~~ ~~Do not report~~	*~~3.8~~*	*~~T J~~*	*~~ug/L~~*		*~~2.60~~*			*10/16/21 16:05*	*1*
~~Ethyl Acetate~~ ~~Do not report~~	*~~7.3~~*	*~~T J N~~*	*~~ug/L~~*		*~~4.04~~*	*~~141-78-6~~*		*10/16/21 16:05*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*10.66*			*10/16/21 16:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/16/21 16:05*	*1*

Client Sample ID: HF-MW-19D

Date Collected: 10/14/21 12:50
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-10

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/16/21 16:05*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/16/21 16:05*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/16/21 16:05*	*1*

Client Sample ID: HF-MW-19S

Date Collected: 10/14/21 12:55
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-11

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			10/16/21 16:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 16:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 16:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 16:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 16:28	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 16:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 16:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 16:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 16:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 16:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 16:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 16:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 16:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 16:28	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 16:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 16:28	1
Acetone	ND/11	U	~~10~~-- 11	3.0	ug/L			10/16/21 16:28	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 16:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 16:28	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 16:28	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 16:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 16:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 16:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 16:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 16:28	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 16:28	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 16:28	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 16:28	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 16:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 16:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 16:28	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 16:28	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 16:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 16:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 16:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 16:28	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 16:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 16:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 16:28	1

Client Sample ID: HF-MW-19S

Date Collected: 10/14/21 12:55
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 16:28	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 16:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 16:28	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 16:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 16:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 16:28	1
Trichloroethene	**2.6**		1.0	0.46	ug/L			10/16/21 16:28	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 16:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 16:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 16:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
~~*Unknown*~~ ~~Do not report~~	~~*3.8*~~	~~*T J*~~	~~*ug/L*~~		~~*2.60*~~			*10/16/21 16:28*	*1*
~~*Ethyl Acetate*~~ ~~Do not report~~	~~*6.5*~~	~~*T J N*~~	~~*ug/L*~~		~~*4.04*~~	~~*141-78-6*~~		*10/16/21 16:28*	*1*
1-Hexanol, 2-ethyl-	*3.2*	*T J N*	*ug/L*		*10.66*	*104-76-7*		*10/16/21 16:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/16/21 16:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/16/21 16:28*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*10/16/21 16:28*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/16/21 16:28*	*1*

Client Sample ID: HF-MW-16S

Date Collected: 10/14/21 13:10
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/16/21 16:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 16:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 16:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 16:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 16:51	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 16:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 16:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 16:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 16:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 16:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 16:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 16:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 16:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 16:51	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 16:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 16:51	1
Acetone	ND/ **11**	U	~~10~~ - 11	3.0	ug/L			10/16/21 16:51	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 16:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 16:51	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 16:51	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 16:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 16:51	1

Client Sample ID: HF-MW-16S

Date Collected: 10/14/21 13:10
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 16:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 16:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 16:51	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 16:51	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 16:51	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 16:51	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 16:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 16:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 16:51	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 16:51	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 16:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 16:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 16:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 16:51	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 16:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 16:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 16:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 16:51	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 16:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 16:51	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 16:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 16:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 16:51	1
Trichloroethene	**4.6**		1.0	0.46	ug/L			10/16/21 16:51	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 16:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 16:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 16:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*7.6*	*T J*	*ug/L*		*2.60*			*10/16/21 16:51*	*1*
Ethyl Acetate	*6.6*	*T J N*	*ug/L*		*4.04*	*141-78-6*		*10/16/21 16:51*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*10.66*			*10/16/21 16:51*	*1*

Do not report

Do not report

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/16/21 16:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/16/21 16:51*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/16/21 16:51*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/16/21 16:51*	*1*

Client Sample ID: HF-MW-17D

Date Collected: 10/14/21 13:30
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/16/21 17:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 17:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 17:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 17:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 17:14	1

Client Sample ID: HF-MW-17D

Date Collected: 10/14/21 13:30
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 17:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 17:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 17:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 17:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 17:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 17:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 17:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 17:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 17:14	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 17:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 17:14	1
Acetone	ND/**36**	U	~~10~~ 36	3.0	ug/L			10/16/21 17:14	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 17:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 17:14	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 17:14	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 17:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 17:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 17:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 17:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 17:14	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 17:14	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 17:14	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 17:14	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 17:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 17:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 17:14	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 17:14	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 17:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 17:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 17:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 17:14	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 17:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 17:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 17:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 17:14	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 17:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 17:14	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 17:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 17:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 17:14	1
Trichloroethene	ND		1.0	0.46	ug/L			10/16/21 17:14	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 17:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 17:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 17:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
~~Unknown~~ ~~Do not report~~	*~~3.1~~*	*~~T J~~*	*~~ug/L~~*		*~~2.60~~*			*10/16/21 17:14*	*1*
~~Ethyl Acetate~~ ~~Do not report~~	*~~11~~*	*~~T J N~~*	*~~ug/L~~*		*~~4.04~~*	*~~141-78-6~~*		*10/16/21 17:14*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*10.66*			*10/16/21 17:14*	*1*

Client Sample ID: HF-MW-17D

Date Collected: 10/14/21 13:30
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-13

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/16/21 17:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/16/21 17:14*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/16/21 17:14*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/16/21 17:14*	*1*

Client Sample ID: HF-MW-15S

Date Collected: 10/14/21 13:40
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-14

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			10/16/21 17:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 17:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 17:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 17:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 17:37	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 17:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 17:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 17:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 17:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 17:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 17:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 17:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 17:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 17:37	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 17:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 17:37	1
Acetone	ND/**25**	U	~~10~~-- 25	3.0	ug/L			10/16/21 17:37	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 17:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 17:37	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 17:37	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 17:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 17:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 17:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 17:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 17:37	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 17:37	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 17:37	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 17:37	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 17:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 17:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 17:37	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 17:37	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 17:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 17:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 17:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 17:37	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 17:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 17:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 17:37	1

Client Sample ID: HF-MW-15S

Date Collected: 10/14/21 13:40
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 17:37	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 17:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 17:37	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 17:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 17:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 17:37	1
Trichloroethene	**15**		1.0	0.46	ug/L			10/16/21 17:37	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 17:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 17:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 17:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown ~~Do not report~~	*9.0*	*T J*	*ug/L*		*2.60*			*10/16/21 17:37*	*1*
Ethyl Acetate ~~Do not report~~	*11*	*T J N*	*ug/L*		*4.04*	*141-78-6*		*10/16/21 17:37*	*1*
Cyclopentanone	*2.8*	*T J N*	*ug/L*		*7.54*	*120-92-3*		*10/16/21 17:37*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*10.66*			*10/16/21 17:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/16/21 17:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/16/21 17:37*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/16/21 17:37*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/16/21 17:37*	*1*

Client Sample ID: HF-MW-15D

Date Collected: 10/14/21 13:45
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/16/21 18:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 18:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 18:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 18:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 18:00	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 18:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 18:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 18:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 18:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 18:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 18:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 18:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 18:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 18:00	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 18:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 18:00	1
Acetone	ND/**30** U		~~10~~ 30	3.0	ug/L			10/16/21 18:00	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 18:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 18:00	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 18:00	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 18:00	1

Client Sample ID: HF-MW-15D

Date Collected: 10/14/21 13:45
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 18:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 18:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 18:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 18:00	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 18:00	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 18:00	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 18:00	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 18:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 18:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 18:00	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 18:00	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 18:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 18:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 18:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 18:00	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 18:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 18:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 18:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 18:00	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 18:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 18:00	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 18:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 18:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 18:00	1
Trichloroethene	ND		1.0	0.46	ug/L			10/16/21 18:00	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 18:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 18:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 18:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol Do not report	*10*	*T J N*	*ug/L*		*2.60*	*67-63-0*		*10/16/21 18:00*	*1*
Ethyl Acetate Do not report	*9.5*	*T J N*	*ug/L*		*4.04*	*141-78-6*		*10/16/21 18:00*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*10.66*			*10/16/21 18:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/16/21 18:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/16/21 18:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/16/21 18:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/16/21 18:00*	*1*

Client Sample ID: HF-MW-10S

Date Collected: 10/14/21 15:55
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-16

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			10/16/21 18:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 18:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 18:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 18:24	1

Client Sample ID: HF-MW-10S

Date Collected: 10/14/21 15:55
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 18:24	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 18:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 18:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 18:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 18:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 18:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 18:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 18:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 18:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 18:24	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 18:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 18:24	1
Acetone	ND/31	U	~~10~~ 31	3.0	ug/L			10/16/21 18:24	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 18:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 18:24	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 18:24	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 18:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 18:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 18:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 18:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 18:24	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 18:24	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 18:24	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 18:24	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 18:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 18:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 18:24	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 18:24	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 18:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 18:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 18:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 18:24	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 18:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 18:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 18:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 18:24	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 18:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 18:24	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 18:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 18:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 18:24	1
Trichloroethene	1.9		1.0	0.46	ug/L			10/16/21 18:24	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 18:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 18:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 18:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
~~Unknown~~ ~~Do not report~~	*~~14~~*	*~~T J~~*	*~~ug/L~~*		*~~2.60~~*			*10/16/21 18:24*	*1*
~~Ethyl Acetate~~ ~~Do not report~~	*10*	*T J N*	*ug/L*		*4.04*	*141-78-6*		*10/16/21 18:24*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*10.66*			*10/16/21 18:24*	*1*

Client Sample ID: HF-MW-10S

Date Collected: 10/14/21 15:55
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-16

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/16/21 18:24	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/16/21 18:24	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/16/21 18:24	1
Dibromofluoromethane (Surr)	103		75 - 123		10/16/21 18:24	1

Client Sample ID: HF-MW-10D

Date Collected: 10/14/21 14:00
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/16/21 18:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 18:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 18:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 18:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 18:47	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 18:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 18:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 18:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 18:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 18:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 18:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 18:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 18:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 18:47	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 18:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 18:47	1
Acetone	ND/33	U	~~10~~ 33	3.0	ug/L			10/16/21 18:47	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 18:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 18:47	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 18:47	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 18:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 18:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 18:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 18:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 18:47	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 18:47	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 18:47	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 18:47	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 18:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 18:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 18:47	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 18:47	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 18:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 18:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 18:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 18:47	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 18:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 18:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 18:47	1

Client Sample ID: HF-MW-10D

Date Collected: 10/14/21 14:00
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 18:47	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 18:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 18:47	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 18:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 18:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 18:47	1
Trichloroethene	ND		1.0	0.46	ug/L			10/16/21 18:47	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 18:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 18:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 18:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
~~*Isopropyl Alcohol*~~ Do not report	~~16~~	~~T J N~~	~~ug/L~~		~~2.60~~	~~67-63-0~~		*10/16/21 18:47*	*1*
~~*Ethyl Acetate*~~ Do not report	~~9.1~~	~~T J N~~	~~ug/L~~		~~4.04~~	~~141-78-6~~		*10/16/21 18:47*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*10.66*			*10/16/21 18:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/16/21 18:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/16/21 18:47*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/16/21 18:47*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/16/21 18:47*	*1*

Client Sample ID: HF-EB

Date Collected: 10/14/21 14:15
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/16/21 19:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 19:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 19:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 19:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 19:10	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 19:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/16/21 19:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 19:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 19:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 19:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 19:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 19:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 19:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 19:10	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 19:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 19:10	1
Acetone	**27**		10	3.0	ug/L			10/16/21 19:10	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 19:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 19:10	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 19:10	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 19:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 19:10	1

Client Sample ID: HF-EB

Date Collected: 10/14/21 14:15
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 19:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 19:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 19:10	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 19:10	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 19:10	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 19:10	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 19:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 19:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 19:10	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 19:10	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 19:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 19:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 19:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 19:10	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 19:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 19:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 19:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 19:10	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 19:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 19:10	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 19:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 19:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 19:10	1
Trichloroethene	ND		1.0	0.46	ug/L			10/16/21 19:10	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 19:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 19:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 19:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl Alcohol	*8.4*	*T J N*	*ug/L*		*2.60*	*67-63-0*		*10/16/21 19:10*	*1*
Ethyl Acetate	*5.8*	*T J N*	*ug/L*		*4.04*	*141-78-6*		*10/16/21 19:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/16/21 19:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/16/21 19:10*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/16/21 19:10*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/16/21 19:10*	*1*

Client Sample ID: TRIP BLANK

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/16/21 19:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/16/21 19:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/16/21 19:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			10/16/21 19:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/16/21 19:34	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			10/16/21 19:34	1

Client Sample ID: TRIP BLANK

Date Collected: 10/14/21 00:00
Date Received: 10/15/21 08:00

Lab Sample ID: 480-190941-19

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			10/16/21 19:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/16/21 19:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/16/21 19:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/16/21 19:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/16/21 19:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/16/21 19:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/16/21 19:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/16/21 19:34	1
2-Hexanone	ND		5.0	1.2	ug/L			10/16/21 19:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/16/21 19:34	1
Acetone	ND		10	3.0	ug/L			10/16/21 19:34	1
Benzene	ND		1.0	0.41	ug/L			10/16/21 19:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/16/21 19:34	1
Bromoform	ND		1.0	0.26	ug/L			10/16/21 19:34	1
Bromomethane	ND		1.0	0.69	ug/L			10/16/21 19:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/16/21 19:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/16/21 19:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/16/21 19:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/16/21 19:34	1
Chloroethane	ND		1.0	0.32	ug/L			10/16/21 19:34	1
Chloroform	ND		1.0	0.34	ug/L			10/16/21 19:34	1
Chloromethane	ND		1.0	0.35	ug/L			10/16/21 19:34	1
1,4-Dioxane	ND		40	9.3	ug/L			10/16/21 19:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/21 19:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/16/21 19:34	1
Cyclohexane	ND		1.0	0.18	ug/L			10/16/21 19:34	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			10/16/21 19:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/16/21 19:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/16/21 19:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/16/21 19:34	1
Methyl acetate	ND		2.5	1.3	ug/L			10/16/21 19:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/16/21 19:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/16/21 19:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/21 19:34	1
Styrene	ND		1.0	0.73	ug/L			10/16/21 19:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/21 19:34	1
Toluene	ND		1.0	0.51	ug/L			10/16/21 19:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/21 19:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/16/21 19:34	1
Trichloroethene	ND		1.0	0.46	ug/L			10/16/21 19:34	1
Trichlorofluoromethane	ND	UJ	1.0	0.88	ug/L			10/16/21 19:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/16/21 19:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/16/21 19:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*10/16/21 19:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/16/21 19:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/16/21 19:34*	*1*

QC NONCONFORMANCE DOCUMENTATION

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-190941-1 Analy Batch No.: 598902

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2021 15:02 Calibration End Date: 10/04/2021 17:38 Calibration ID: 42446

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	2.3785 3.0090	2.8159 2.8575	2.2951 2.6351	2.8831	2.9167	Ave		2.7239			0.1000	9.6		20.0			
Cyclohexane	2.5264 3.6527	3.2815 3.3005	2.2437 3.0733	3.5276	3.5527	Lin1	-0.1778	3.2422			0.1000	14.7			0.9940		0.9900
Carbon tetrachloride	+++++ 2.7203	2.3980 2.5488	1.8927 2.3932	2.4863	2.4613	Ave		2.4144			0.1000	10.6		20.0			
1,1-Dichloropropene	1.8574 2.4085	2.2859 2.3074	1.8095 2.1938	2.4749	2.4324	Ave		2.2212				11.5		20.0			
Benzene	5.7111 6.6808	6.8690 6.4711	5.5414 6.0663	6.8905	6.7555	Ave		6.3732			0.5000	8.4		20.0			
Isobutyl alcohol	0.1068 0.1001	0.0932 0.1088	0.0793 0.1081	0.0898	0.0897	Ave		0.0970				11.0		20.0			
1,2-Dichloroethane	2.4822 2.5816	2.7075 2.5099	2.4172 2.3754	2.7099	2.6116	Ave		2.5494			0.1000	4.9		20.0			
n-Heptane	2.8432 2.9405	2.7898 2.4971	2.0347 2.4574	2.9463	2.8503	Ave		2.6699				11.9		20.0			
Trichloroethene	1.8246 1.7947	1.8121 1.7184	1.5102 1.6721	1.7938	1.8014	Ave		1.7409			0.2000	6.1		20.0			
Methylcyclohexane	+++++ 3.5457	2.9216 3.1658	1.9863 3.0415	3.2805	3.2581	Lin1	-0.5044	3.1632			0.1000	15.3			0.9950		0.9900
1,2-Dichloropropane	1.4705 1.6658	1.4977 1.6525	1.4438 1.5766	1.6688	1.6459	Ave		1.5777			0.1000	6.0		20.0			
Dibromomethane	0.9592 1.1454	1.1951 1.1088	1.0254 1.0792	1.2408	1.1511	Ave		1.1131			0.1000	8.2		20.0			
1,4-Dioxane	0.0084 0.0090	0.0085 0.0084	0.0074 0.0081	0.0083	0.0081	Ave		0.0083				5.6		20.0			
Bromodichloromethane	1.9482 2.0674	1.8979 2.0958	1.7360 2.0773	2.0251	2.0629	Ave		1.9888			0.2000	6.2		20.0			
2-Chloroethyl vinyl ether	0.7930 1.0029	0.9279 1.0306	1.0142 1.0772	1.0086	0.9517	Ave		0.9758				8.9		20.0			
cis-1,3-Dichloropropene	1.8292 2.4538	2.2419 2.4562	2.1547 2.4741	2.5215	2.4088	Ave		2.3175			0.2000	10.1		20.0			
4-Methyl-2-pentanone (MIBK)	0.5061 0.5437	0.4838 0.5478	0.4926 0.5168	0.5333	0.5334	Ave		0.5197			0.1000	4.6		20.0			
Toluene	0.9439 1.1001	1.0631 1.0513	0.9736 1.0465	1.0916	1.1074	Ave		1.0472			0.4000	5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-190941-1

SDG No.:

Lab Sample ID: CCVIS 480-600699/3 Calibration Date: 10/16/2021 10:09

Instrument ID: HP5973S Calib Start Date: 09/14/2021 17:37

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/14/2021 20:20

Lab File ID: S4955.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.779	1.403	0.1000	19.7	25.0	-21.2	20 50.0
Chloromethane	Ave	2.351	2.531	0.1000	26.9	25.0	7.7	20.0
Vinyl chloride	Ave	2.134	2.225	0.1000	26.1	25.0	4.3	20.0
Butadiene	Ave	2.523	2.267		22.5	25.0	-10.1	20.0
Bromomethane	Ave	1.433	1.265	0.1000	22.1	25.0	-11.7	50.0
Chloroethane	Ave	1.485	1.382	0.1000	23.3	25.0	-7.0	50.0
Dichlorofluoromethane	Ave	3.077	2.394		19.5	25.0	-22.2*	NA 20.0
Trichlorofluoromethane	Ave	2.620	1.857	0.1000	17.7	25.0	-29.1*	20.0
Ethyl ether	Ave	1.796	1.450		20.2	25.0	-19.3	20.0
Acrolein	Ave	0.1299	0.0615		59.1	125	-52.7*	NA 50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.419	1.094	0.1000	19.3	25.0	-22.9*	20.0
1,1-Dichloroethene	Ave	1.521	1.153	0.1000	19.0	25.0	-24.2*	20.0
Acetone	Ave	0.7694	0.7517	0.1000	122	125	-2.3	50.0
Iodomethane	Ave	2.719	2.409		22.2	25.0	-11.4	20.0
Carbon disulfide	Ave	4.887	4.920	0.1000	25.2	25.0	0.7	20.0
Allyl chloride	Ave	2.998	3.002		25.0	25.0	0.1	20.0
Methyl acetate	Ave	2.026	1.978	0.1000	48.8	50.0	-2.4	50.0
Methylene Chloride	Lin1		1.848	0.1000	26.1	25.0	4.2	20.0
2-Methyl-2-propanol	Ave	0.2395	0.2825		295	250	18.0	50.0
Methyl tert-butyl ether	Ave	5.484	5.389	0.1000	24.6	25.0	-1.7	20.0
trans-1,2-Dichloroethene	Ave	1.714	1.737	0.1000	25.3	25.0	1.3	20.0
Acrylonitrile	Ave	1.049	1.092		260	250	4.1	20.0
Hexane	Ave	2.599	2.653		25.5	25.0	2.1	20.0
1,1-Dichloroethane	Ave	3.142	3.326	0.2000	26.5	25.0	5.8	20.0
Vinyl acetate	Ave	4.152	4.546		54.7	50.0	9.5	20.0
2,2-Dichloropropane	Ave	1.596	1.369		21.4	25.0	-14.2	20.0
cis-1,2-Dichloroethene	Ave	1.852	1.864	0.1000	25.2	25.0	0.6	20.0
2-Butanone (MEK)	Ave	1.175	1.375	0.1000	146	125	17.1	20.0
Chlorobromomethane	Ave	0.9936	1.018		25.6	25.0	2.5	20.0
Tetrahydrofuran	Ave	0.8718	0.9154		52.5	50.0	5.0	20.0
Chloroform	Ave	3.114	2.901	0.2000	23.3	25.0	-6.8	20.0
1,1,1-Trichloroethane	Ave	2.460	2.364	0.1000	24.0	25.0	-3.9	20.0
Cyclohexane	Ave	3.206	3.212	0.1000	25.0	25.0	0.2	20.0
Carbon tetrachloride	Ave	2.159	1.967	0.1000	22.8	25.0	-8.9	20.0
1,1-Dichloropropene	Ave	2.159	2.311		26.8	25.0	7.0	20.0
Benzene	Ave	6.681	7.270	0.5000	27.2	25.0	8.8	20.0
Isobutyl alcohol	Ave	0.0820	0.1098		837	625	34.0	NA 50.0
1,2-Dichloroethane	Ave	2.535	2.406	0.1000	23.7	25.0	-5.1	20.0
n-Heptane	Ave	2.950	3.121		26.4	25.0	5.8	20.0
Trichloroethene	Ave	1.599	1.727	0.2000	27.0	25.0	8.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-190941-1

SDG No.:

Lab Sample ID: CCVIS 480-601065/3 Calibration Date: 10/19/2021 15:29

Instrument ID: HP5975T Calib Start Date: 10/04/2021 15:02

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/04/2021 17:38

Lab File ID: T5712.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.061	2.379	0.1000	28.9	25.0	15.4	50.0
Chloromethane	Ave	2.203	2.377	0.1000	27.0	25.0	7.9	20.0
Vinyl chloride	Ave	2.242	2.474	0.1000	27.6	25.0	10.3	20.0
Butadiene	Ave	2.272	2.529		27.8	25.0	11.3	20.0
Bromomethane	Ave	1.311	1.575	0.1000	30.0	25.0	20.2	20 50.0
Chloroethane	Ave	1.452	1.533	0.1000	26.4	25.0	5.6	50.0
Trichlorofluoromethane	Ave	2.802	3.102	0.1000	27.7	25.0	10.7	20.0
Dichlorofluoromethane	Ave	3.264	3.589		27.5	25.0	10.0	20.0
Ethyl ether	Ave	1.664	1.799		27.0	25.0	8.2	20.0
Acrolein	Ave	0.1261	0.0986		97.7	125	-21.8	NA 50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.872	0.1000	28.1	25.0	12.6	20.0
1,1-Dichloroethene	Ave	1.638	1.816	0.1000	27.7	25.0	10.8	20.0
Acetone	Ave	0.7960	0.6071	0.1000	95.3	125	-23.7	50.0
Iodomethane	Ave	3.182	3.424		26.9	25.0	7.6	20.0
Carbon disulfide	Ave	5.139	5.938	0.1000	28.9	25.0	15.6	20.0
Allyl chloride	Ave	2.721	3.028		27.8	25.0	11.3	20.0
Methyl acetate	Ave	1.624	1.522	0.1000	46.9	50.0	-6.3	50.0
Methylene Chloride	Lin1		2.332	0.1000	32.8	25.0	31.1*	20.0
2-Methyl-2-propanol	Ave	0.3263	0.2164		166	250	-33.7	NA 50.0
Methyl tert-butyl ether	Ave	5.466	5.938	0.1000	27.2	25.0	8.6	20.0
trans-1,2-Dichloroethene	Ave	1.906	2.101	0.1000	27.6	25.0	10.2	20.0
Acrylonitrile	Ave	0.9001	0.8545		237	250	-5.1	20.0
Hexane	Ave	2.553	3.091		30.3	25.0	21.1*	NA 20.0
1,1-Dichloroethane	Ave	3.245	3.602	0.2000	27.8	25.0	11.0	20.0
Vinyl acetate	Ave	3.175	2.647		41.7	50.0	-16.6	20.0
2,2-Dichloropropane	Ave	1.712	2.554		37.3	25.0	49.2*	NA 20.0
cis-1,2-Dichloroethene	Ave	1.978	2.192	0.1000	27.7	25.0	10.9	20.0
2-Butanone (MEK)	Ave	0.9423	0.7789	0.1000	103	125	-17.3	20.0
Chlorobromomethane	Ave	1.101	1.161		26.4	25.0	5.5	20.0
Tetrahydrofuran	Ave	0.7349	0.6083		41.4	50.0	-17.2	20.0
Chloroform	Ave	3.247	3.396	0.2000	26.2	25.0	4.6	20.0
1,1,1-Trichloroethane	Ave	2.724	2.969	0.1000	27.3	25.0	9.0	20.0
Cyclohexane	Lin1		3.783	0.1000	29.2	25.0	16.9	20.0
Carbon tetrachloride	Ave	2.414	2.375	0.1000	24.6	25.0	-1.6	20.0
1,1-Dichloropropene	Ave	2.221	2.595		29.2	25.0	16.8	20.0
Benzene	Ave	6.373	7.094	0.5000	27.8	25.0	11.3	20.0
Isobutyl alcohol	Ave	0.0970	0.0654		422	625	-32.5	NA 50.0
1,2-Dichloroethane	Ave	2.549	2.652	0.1000	26.0	25.0	4.0	20.0
n-Heptane	Ave	2.670	3.005		28.1	25.0	12.6	20.0
Trichloroethene	Ave	1.741	1.853	0.2000	26.6	25.0	6.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-190941-1

SDG No.:

Lab Sample ID: CCVIS 480-601065/3 Calibration Date: 10/19/2021 15:29

Instrument ID: HP5975T Calib Start Date: 10/04/2021 15:02

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/04/2021 17:38

Lab File ID: T5712.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		3.604	0.1000	28.6	25.0	14.6	20.0
1,2-Dichloropropane	Ave	1.578	1.685	0.1000	26.7	25.0	6.8	20.0
1,4-Dioxane	Ave	0.0083	0.0071		431	500	-13.8	50.0
Dibromomethane	Ave	1.113	1.116	0.1000	25.1	25.0	0.2	20.0
Bromodichloromethane	Ave	1.989	2.022	0.2000	25.4	25.0	1.7	20.0
2-Chloroethyl vinyl ether	Ave	0.9758	0.7480		19.2	25.0	-23.3* NA	20.0
cis-1,3-Dichloropropene	Ave	2.318	2.196	0.2000	23.7	25.0	-5.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5197	0.5226	0.1000	126	125	0.6	20.0
Toluene	Ave	1.047	1.183	0.4000	28.2	25.0	13.0	20.0
trans-1,3-Dichloropropene	Ave	0.5220	0.5310	0.1000	25.4	25.0	1.7	20.0
Ethyl methacrylate	Lin1		0.4245		20.0	25.0	-19.8	20.0
1,1,2-Trichloroethane	Ave	0.3051	0.3199	0.1000	26.2	25.0	4.8	20.0
Tetrachloroethene	Ave	0.4748	0.5310	0.2000	28.0	25.0	11.8	20.0
1,3-Dichloropropane	Ave	0.6215	0.5991		24.1	25.0	-3.6	20.0
2-Hexanone	Ave	0.3352	0.2614	0.1000	97.5	125	-22.0*	20.0
Dibromochloromethane	Ave	0.3954	0.3694	0.1000	23.4	25.0	-6.6	20.0
1,2-Dibromoethane	Ave	0.4024	0.3658		22.7	25.0	-9.1	20.0
Chlorobenzene	Ave	1.180	1.248	0.5000	26.4	25.0	5.8	20.0
Ethylbenzene	Ave	1.960	2.230	0.1000	28.4	25.0	13.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4589	0.4997		27.2	25.0	8.9	20.0
m,p-Xylene	Ave	0.8063	0.9019	0.1000	28.0	25.0	11.9	20.0
o-Xylene	Ave	0.8099	0.9566	0.3000	29.5	25.0	18.1	20.0
Styrene	Ave	1.232	1.290	0.3000	26.2	25.0	4.7	20.0
Bromoform	Ave	0.2661	0.2080	0.1000	19.5	25.0	-21.8	50.0
Isopropylbenzene	Ave	3.677	4.383	0.1000	29.8	25.0	19.2	20.0
Bromobenzene	Ave	0.8939	0.8888		24.9	25.0	-0.6	20.0
1,1,2,2-Tetrachloroethane	Ave	1.003	0.999	0.3000	24.9	25.0	-0.4	20.0
N-Propylbenzene	Ave	4.118	4.683		28.4	25.0	13.7	20.0
1,2,3-Trichloropropane	Ave	0.3559	0.3313		23.3	25.0	-6.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3053	0.2501		20.5	25.0	-18.1	50.0
2-Chlorotoluene	Ave	0.8952	1.007		28.1	25.0	12.5	20.0
1,3,5-Trimethylbenzene	Ave	3.140	3.673		29.2	25.0	17.0	20.0
4-Chlorotoluene	Ave	2.471	2.643		26.7	25.0	7.0	20.0
tert-Butylbenzene	Ave	0.7072	0.8043		28.4	25.0	13.7	20.0
1,2,4-Trimethylbenzene	Ave	3.210	3.731		29.1	25.0	16.2	20.0
sec-Butylbenzene	Ave	3.981	4.841		30.4	25.0	21.6* NA	20.0
4-Isopropyltoluene	Ave	3.532	4.158		29.4	25.0	17.7	20.0
1,3-Dichlorobenzene	Ave	1.805	1.883	0.6000	26.1	25.0	4.3	20.0
1,4-Dichlorobenzene	Ave	1.844	1.900	0.5000	25.8	25.0	3.1	20.0
n-Butylbenzene	Ave	2.989	3.652		30.5	25.0	22.2* NA	20.0
1,2-Dichlorobenzene	Ave	1.843	1.967	0.4000	26.7	25.0	6.7	20.0

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

Lab Sample ID: LCS 480-600699/5
Matrix: Water
Analysis Batch: 600699

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	25.0	23.8		ug/L		95	59 - 135
Dichlorodifluoromethane	25.0	16.5		ug/L		66	59 - 135
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
1,2-Dibromoethane	25.0	27.8		ug/L		111	77 - 120
Isopropylbenzene	25.0	24.9		ug/L		99	77 - 122
Methyl acetate	50.0	48.2		ug/L		96	74 - 133
Methyl tert-butyl ether	25.0	24.1		ug/L		96	77 - 120
Methylcyclohexane	25.0	23.0		ug/L		92	68 - 134
Methylene Chloride	25.0	25.3		ug/L		101	75 - 124
Styrene	25.0	28.0		ug/L		112	80 - 120
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	27.2		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	27.3		ug/L		109	80 - 120
Trichloroethene	25.0	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	16.6		ug/L		67	62 - 150
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

Lab Sample ID: 480-190941-7 MS
Matrix: Water
Analysis Batch: 600699

Client Sample ID: HF-MW-6D
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	27.8		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.9		ug/L		108	76 - 120
1,1,2-Trichloroethane	ND		25.0	29.3		ug/L		117	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	20.9		ug/L		84	61 - 148
1,1-Dichloroethane	ND		25.0	29.2		ug/L		117	77 - 120
1,1-Dichloroethene	ND		25.0	19.6		ug/L		78	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	26.0		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	22.9		ug/L		92	56 - 134
1,2-Dichlorobenzene	ND		25.0	27.8		ug/L		111	80 - 124
1,2-Dichloroethane	ND		25.0	26.2		ug/L		105	75 - 120
1,2-Dichloropropane	ND	F1	25.0	32.0	F1	ug/L		128	76 - 120
1,3-Dichlorobenzene	ND		25.0	28.2		ug/L		113	77 - 120
1,4-Dichlorobenzene	ND		25.0	28.5		ug/L		114	78 - 124
2-Butanone (MEK)	ND	F1	125	179	F1	ug/L		144	57 - 140
2-Hexanone	ND		125	147		ug/L		118	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	138		ug/L		110	71 - 125
Acetone	11		125	112		ug/L		81	56 - 142
Benzene	ND		25.0	31.1		ug/L		124	71 - 124
Bromodichloromethane	ND		25.0	28.4		ug/L		114	80 - 122

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

Lab Sample ID: 480-190941-7 MS
Matrix: Water
Analysis Batch: 600699

Client Sample ID: HF-MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	ND		25.0	25.4		ug/L		102	61 - 132
Bromomethane	ND		25.0	26.2		ug/L		105	55 - 144
Carbon disulfide	ND		25.0	20.8		ug/L		83	59 - 134
Carbon tetrachloride	ND		25.0	27.1		ug/L		108	72 - 134
Chlorobenzene	ND	F1	25.0	30.8	F1	ug/L		123	80 - 120
Dibromochloromethane	ND		25.0	27.7		ug/L		111	75 - 125
Chloroethane	ND		25.0	27.6		ug/L		111	69 - 136
Chloroform	ND		25.0	25.7		ug/L		103	73 - 127
Chloromethane	ND	F1	25.0	31.7	F1	ug/L		127	68 - 124
1,4-Dioxane	ND		500	598		ug/L		120	50 - 150
cis-1,2-Dichloroethene	ND		25.0	28.1		ug/L		113	74 - 124
cis-1,3-Dichloropropene	ND		25.0	28.9		ug/L		116	74 - 124
Cyclohexane	ND		25.0	31.1		ug/L		124	59 - 135
Dichlorodifluoromethane	ND		25.0	23.6		ug/L		94	59 - 135
Ethylbenzene	ND		25.0	30.3		ug/L		121	77 - 123
1,2-Dibromoethane	ND		25.0	29.4		ug/L		118	77 - 120
Isopropylbenzene	ND		25.0	28.5		ug/L		114	77 - 122
Methyl acetate	ND		50.0	48.8		ug/L		98	74 - 133
Methyl tert-butyl ether	ND		25.0	25.3		ug/L		101	77 - 120
Methylcyclohexane	ND		25.0	29.2		ug/L		117	68 - 134
Methylene Chloride	ND		25.0	28.8		ug/L		115	75 - 124
Styrene	ND	F1	25.0	31.0	F1	ug/L		124	80 - 120
Tetrachloroethene	ND	F1	25.0	32.9	F1	ug/L		132	74 - 122
Toluene	ND	F1	25.0	31.1	F1	ug/L		124	80 - 122
trans-1,2-Dichloroethene	ND		25.0	28.6		ug/L		114	73 - 127
trans-1,3-Dichloropropene	ND		25.0	27.7		ug/L		111	80 - 120
Trichloroethene	ND	F1	25.0	30.9	F1	ug/L		124	74 - 123
Trichlorofluoromethane	ND		25.0	23.6		ug/L		94	62 - 150
Vinyl chloride	ND		25.0	31.9		ug/L		128	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-190941-7 MSD
Matrix: Water
Analysis Batch: 600699

Client Sample ID: HF-MW-6D
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	27.8		ug/L		111	73 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.4		ug/L		106	76 - 120	2	15
1,1,2-Trichloroethane	ND		25.0	29.0		ug/L		116	76 - 122	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	22.1		ug/L		88	61 - 148	5	20
1,1-Dichloroethane	ND		25.0	29.2		ug/L		117	77 - 120	0	20
1,1-Dichloroethene	ND		25.0	20.7		ug/L		83	66 - 127	5	16
1,2,4-Trichlorobenzene	ND		25.0	26.5		ug/L		106	79 - 122	2	20

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

Lab Sample ID: 480-190941-7 MSD
Matrix: Water
Analysis Batch: 600699

Client Sample ID: HF-MW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		25.0	22.7		ug/L		91	56 - 134	1	15
1,2-Dichlorobenzene	ND		25.0	27.3		ug/L		109	80 - 124	2	20
1,2-Dichloroethane	ND		25.0	25.8		ug/L		103	75 - 120	1	20
1,2-Dichloropropane	ND	F1	25.0	31.4	F1	ug/L		126	76 - 120	2	20
1,3-Dichlorobenzene	ND		25.0	28.3		ug/L		113	77 - 120	1	20
1,4-Dichlorobenzene	ND		25.0	27.9		ug/L		112	78 - 124	2	20
2-Butanone (MEK)	ND	F1	125	178	F1	ug/L		142	57 - 140	1	20
2-Hexanone	ND		125	143		ug/L		115	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	ND		125	134		ug/L		108	71 - 125	3	35
Acetone	11		125	123		ug/L		90	56 - 142	9	15
Benzene	ND		25.0	30.6		ug/L		123	71 - 124	2	13
Bromodichloromethane	ND		25.0	28.3		ug/L		113	80 - 122	0	15
Bromoform	ND		25.0	25.2		ug/L		101	61 - 132	1	15
Bromomethane	ND		25.0	25.6		ug/L		102	55 - 144	2	15
Carbon disulfide	ND		25.0	22.8		ug/L		91	59 - 134	9	15
Carbon tetrachloride	ND		25.0	27.2		ug/L		109	72 - 134	0	15
Chlorobenzene	ND	F1	25.0	29.7		ug/L		119	80 - 120	4	25
Dibromochloromethane	ND		25.0	27.2		ug/L		109	75 - 125	2	15
Chloroethane	ND		25.0	27.2		ug/L		109	69 - 136	2	15
Chloroform	ND		25.0	25.7		ug/L		103	73 - 127	0	20
Chloromethane	ND	F1	25.0	31.8	F1	ug/L		127	68 - 124	0	15
1,4-Dioxane	ND		500	514		ug/L		103	50 - 150	15	20
cis-1,2-Dichloroethene	ND		25.0	28.1		ug/L		113	74 - 124	0	15
cis-1,3-Dichloropropene	ND		25.0	28.9		ug/L		116	74 - 124	0	15
Cyclohexane	ND		25.0	30.6		ug/L		122	59 - 135	2	20
Dichlorodifluoromethane	ND		25.0	23.9		ug/L		96	59 - 135	2	20
Ethylbenzene	ND		25.0	30.0		ug/L		120	77 - 123	1	15
1,2-Dibromoethane	ND		25.0	28.7		ug/L		115	77 - 120	2	15
Isopropylbenzene	ND		25.0	28.6		ug/L		114	77 - 122	0	20
Methyl acetate	ND		50.0	49.5		ug/L		99	74 - 133	1	20
Methyl tert-butyl ether	ND		25.0	24.9		ug/L		100	77 - 120	1	37
Methylcyclohexane	ND		25.0	28.9		ug/L		116	68 - 134	1	20
Methylene Chloride	ND		25.0	28.1		ug/L		112	75 - 124	2	15
Styrene	ND	F1	25.0	30.4	F1	ug/L		121	80 - 120	2	20
Tetrachloroethene	ND	F1	25.0	32.2	F1	ug/L		129	74 - 122	2	20
Toluene	ND	F1	25.0	30.8	F1	ug/L		123	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	29.0		ug/L		116	73 - 127	1	20
trans-1,3-Dichloropropene	ND		25.0	27.2		ug/L		109	80 - 120	2	15
Trichloroethene	ND	F1	25.0	30.9		ug/L		123	74 - 123	0	16
Trichlorofluoromethane	ND		25.0	23.6		ug/L		94	62 - 150	0	20
Vinyl chloride	ND		25.0	32.5		ug/L		130	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

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

Lab Sample ID: 480-190941-3 MS
Matrix: Water
Analysis Batch: 601065

Client Sample ID: HF-MW-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	ND		25.0	17.3		ug/L		69	61 - 132
Bromomethane	ND		25.0	28.4		ug/L		114	55 - 144
Carbon disulfide	ND		25.0	26.1		ug/L		105	59 - 134
Carbon tetrachloride	ND		25.0	22.0		ug/L		88	72 - 134
Chlorobenzene	ND		25.0	22.9		ug/L		92	80 - 120
Dibromochloromethane	ND		25.0	20.3		ug/L		81	75 - 125
Chloroethane	ND		25.0	27.5		ug/L		110	69 - 136
Chloroform	ND		25.0	23.9		ug/L		95	73 - 127
Chloromethane	ND	F2	25.0	21.3		ug/L		85	68 - 124
1,4-Dioxane	ND		500	391		ug/L		78	50 - 150
cis-1,2-Dichloroethene	1.4		25.0	26.9		ug/L		102	74 - 124
cis-1,3-Dichloropropene	ND	F1	25.0	17.5	F1	ug/L		70	74 - 124
Cyclohexane	ND		25.0	26.5		ug/L		106	59 - 135
Dichlorodifluoromethane	ND		25.0	29.2		ug/L		117	59 - 135
Ethylbenzene	ND		25.0	25.2		ug/L		101	77 - 123
1,2-Dibromoethane	ND		25.0	20.0		ug/L		80	77 - 120
Isopropylbenzene	ND		25.0	27.7		ug/L		111	77 - 122
Methyl acetate	ND		50.0	43.1		ug/L		86	74 - 133
Methyl tert-butyl ether	ND		25.0	24.4		ug/L		98	77 - 120
Methylcyclohexane	ND		25.0	25.8		ug/L		103	68 - 134
Methylene Chloride	ND		25.0	27.0		ug/L		108	75 - 124
Styrene	ND		25.0	23.4		ug/L		94	80 - 120
Tetrachloroethene	ND		25.0	25.2		ug/L		101	74 - 122
Toluene	ND		25.0	25.0		ug/L		100	80 - 122
trans-1,2-Dichloroethene	ND		25.0	24.6		ug/L		98	73 - 127
trans-1,3-Dichloropropene	ND	F1	25.0	19.7	F1	ug/L		79	80 - 120
Trichloroethene	65	F1	25.0	84.9		ug/L		80	74 - 123
Trichlorofluoromethane	ND		25.0	27.9		ug/L		112	62 - 150
Vinyl chloride	ND		25.0	28.9		ug/L		116	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*112*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: 480-190941-3 MSD
Matrix: Water
Analysis Batch: 601065

Client Sample ID: HF-MW-4S
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	26.3		ug/L		105	73 - 126	6	15
1,1,2,2-Tetrachloroethane	ND		25.0	24.4		ug/L		97	76 - 120	3	15
1,1,2-Trichloroethane	ND		25.0	24.8		ug/L		99	76 - 122	6	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.9		ug/L		108	61 - 148	5	20
1,1-Dichloroethane	ND		25.0	26.2		ug/L		105	77 - 120	4	20
1,1-Dichloroethene	ND		25.0	27.0		ug/L		108	66 - 127	6	16
1,2,4-Trichlorobenzene	ND		25.0	26.6		ug/L		106	79 - 122	2	20

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

Lab Sample ID: 480-190941-3 MSD
Matrix: Water
Analysis Batch: 601065

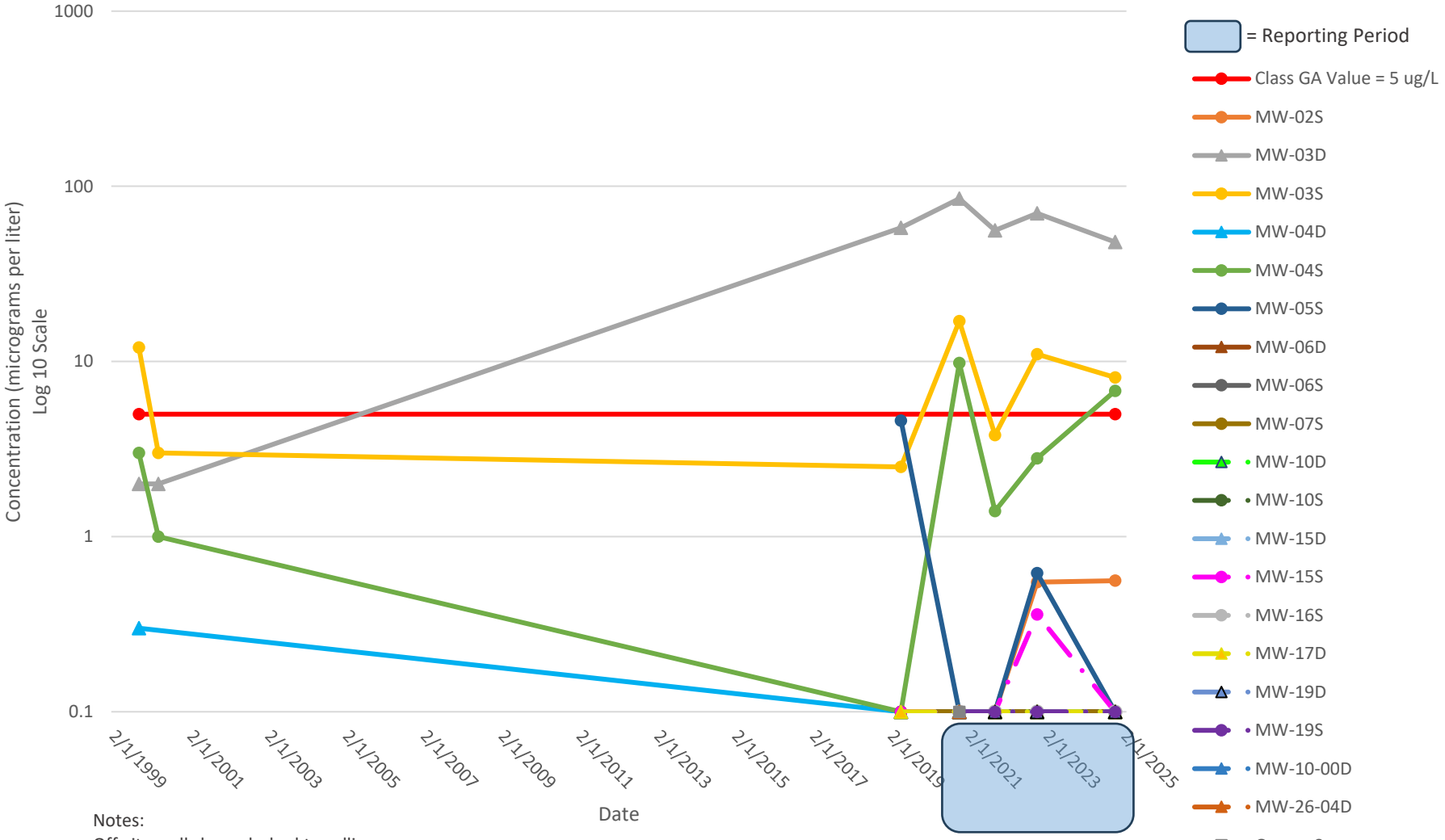
Client Sample ID: HF-MW-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		25.0	20.2		ug/L		81	56 - 134	2	15
1,2-Dichlorobenzene	ND		25.0	25.4		ug/L		101	80 - 124	2	20
1,2-Dichloroethane	ND		25.0	24.0		ug/L		96	75 - 120	5	20
1,2-Dichloropropane	ND		25.0	24.8		ug/L		99	76 - 120	9	20
1,3-Dichlorobenzene	ND		25.0	25.2		ug/L		101	77 - 120	7	20
1,4-Dichlorobenzene	ND		25.0	25.0		ug/L		100	78 - 124	5	20
2-Butanone (MEK)	ND		125	130		ug/L		104	57 - 140	6	20
2-Hexanone	ND		125	95.4		ug/L		76	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		125	116		ug/L		93	71 - 125	3	35
Acetone	11		125	114		ug/L		82	56 - 142	1	15
Benzene	ND		25.0	26.2		ug/L		105	71 - 124	7	13
Bromodichloromethane	ND		25.0	23.7		ug/L		95	80 - 122	8	15
Bromoform	ND		25.0	17.3		ug/L		69	61 - 132	0	15
Bromomethane	ND		25.0	25.4		ug/L		102	55 - 144	11	15
Carbon disulfide	ND		25.0	26.8		ug/L		107	59 - 134	3	15
Carbon tetrachloride	ND		25.0	24.1		ug/L		96	72 - 134	9	15
Chlorobenzene	ND		25.0	24.6		ug/L		98	80 - 120	7	25
Dibromochloromethane	ND		25.0	21.8		ug/L		87	75 - 125	7	15
Chloroethane	ND		25.0	25.7		ug/L		103	69 - 136	7	15
Chloroform	ND		25.0	25.0		ug/L		100	73 - 127	5	20
Chloromethane	ND	F2	25.0	25.3	F2	ug/L		101	68 - 124	17	15
1,4-Dioxane	ND		500	401		ug/L		80	50 - 150	3	20
cis-1,2-Dichloroethene	1.4		25.0	27.4		ug/L		104	74 - 124	2	15
cis-1,3-Dichloropropene	ND	F1	25.0	20.4		ug/L		81	74 - 124	15	15
Cyclohexane	ND		25.0	28.6		ug/L		114	59 - 135	8	20
Dichlorodifluoromethane	ND		25.0	27.7		ug/L		111	59 - 135	5	20
Ethylbenzene	ND		25.0	26.7		ug/L		107	77 - 123	6	15
1,2-Dibromoethane	ND		25.0	21.8		ug/L		87	77 - 120	9	15
Isopropylbenzene	ND		25.0	29.0		ug/L		116	77 - 122	4	20
Methyl acetate	ND		50.0	43.0		ug/L		86	74 - 133	0	20
Methyl tert-butyl ether	ND		25.0	25.0		ug/L		100	77 - 120	2	37
Methylcyclohexane	ND		25.0	26.4		ug/L		105	68 - 134	2	20
Methylene Chloride	ND		25.0	27.6		ug/L		110	75 - 124	2	15
Styrene	ND		25.0	25.3		ug/L		101	80 - 120	8	20
Tetrachloroethene	ND		25.0	26.4		ug/L		105	74 - 122	4	20
Toluene	ND		25.0	26.2		ug/L		105	80 - 122	5	15
trans-1,2-Dichloroethene	ND		25.0	26.6		ug/L		106	73 - 127	8	20
trans-1,3-Dichloropropene	ND	F1	25.0	22.7		ug/L		91	80 - 120	14	15
Trichloroethene	65	F1	25.0	79.2	F1	ug/L		58	74 - 123	7	16
Trichlorofluoromethane	ND		25.0	26.4		ug/L		106	62 - 150	6	20
Vinyl chloride	ND		25.0	27.2		ug/L		109	65 - 133	6	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

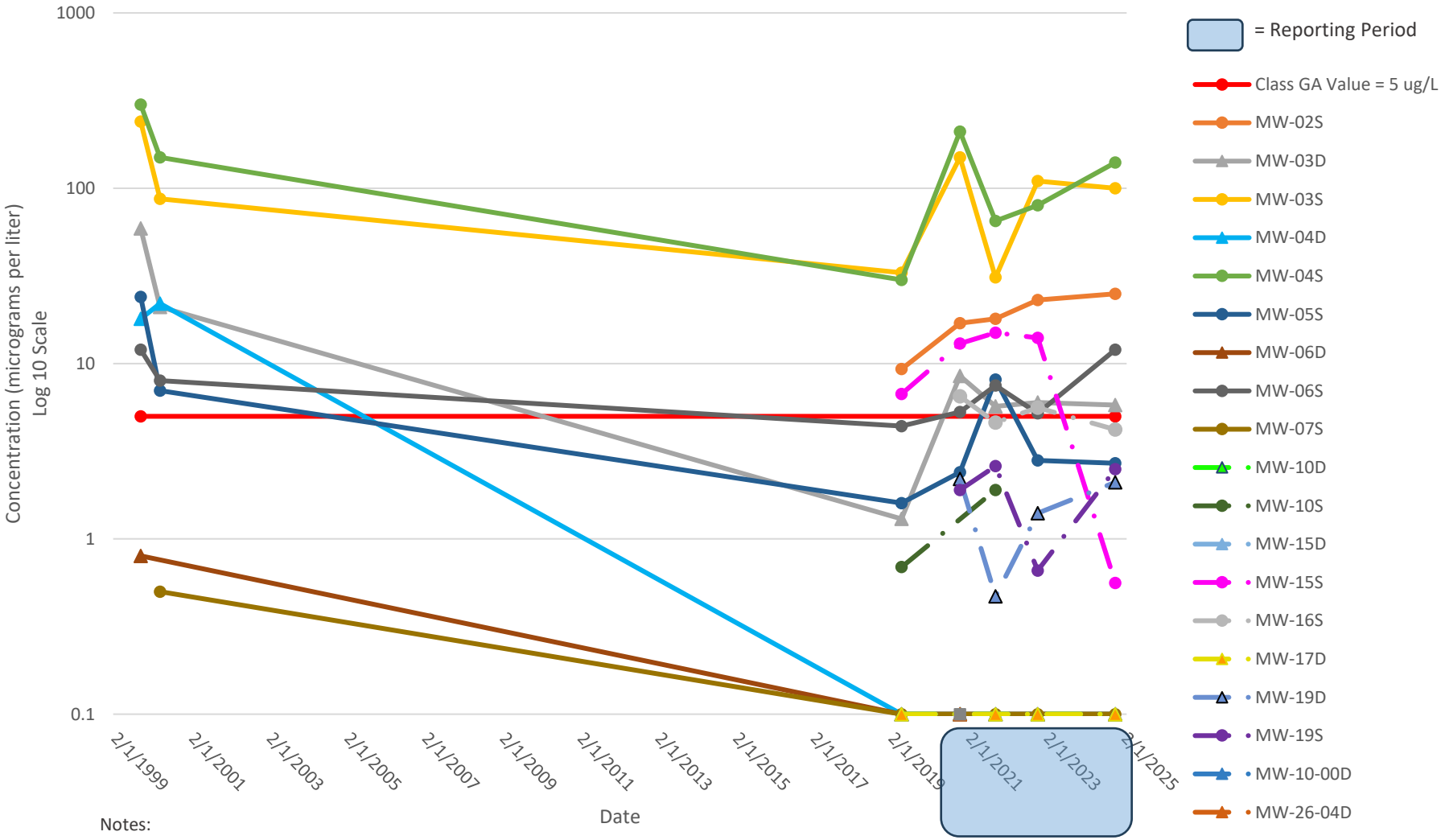
APPENDIX F

New York State Department of Envrionmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
cis-1,2-Dichoroethene Trend in Groundwater



Notes:
Off-site wells have dashed trendlines.
Non-detect values are ploted as 0.1.

New York State Department of Envrionmental Conservation
Haight Farm - Site No. 837006
Clarendon, New York
Trichloroethene Trend in Groundwater



Notes:
Off-site wells have dashed trendlines.
Non-detect values are ploted as 0.1.