New York State Department of Environmental Conservation Division of Environmental Remediation

Periodic Review Report 2020

Keywell L.L.C. Vac-Air Division Site
300 Falconer Street, Frewsburg, NY
NYSDEC Site No. 907016

December 19, 2023

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300 Falconer Street
Frewsburg, NY 14738

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December 19, 2023

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Acronyms

AWQS	Ambient Water Quality Standards
AS	air stripper
bgs	below ground surface
CCU	Catalytic Combustion Unit
Class GA	Groundwater class
DER	Division of Environmental Remediation
DTP	Depth to Product
DTW	Depth to Water
EC	engineering controls
GES	Groundwater & Environmental Services, Inc.
gpm	gallons per minute
HDPE	high-density polyethylene
”Hg	inches of mercury
IC	institutional controls
Keywell	Keywell LLC
LNAPL	light non-aqueous phase liquid
µg/m3	micrograms per cubic meter
µg/L	micrograms per liter
ng/L	nanograms per liter
NYSDEC	New York State Department of Environmental Conservation
OM&M	Post-Remedial Operation, Maintenance, & Monitoring
OWS	oil water separator
PCB	polychlorinated biphenyl
P.E.	Professional Engineer
ppt	parts per trillion
PRB	permeable reactive barrier
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
SIM	selective ion monitoring
Site	Keywell L.L.C. Vac-Air Division Site
stormceptor	precast concrete oil/sediment/water separation unit
SVE	Soil Vapor Extraction
TCE	Trichloroethene
TCL	Target Compound List
TOGS 1.1.1	Technical and Operational Guidance Series 1.1.1
TPE	total-phase extraction
TPH	total petroleum hydrocarbons
USEPA	United States Environmental Protection Agency
VLS	vapor/liquid separator
VOCs	Volatile Organic Compounds

Executive Summary

Keywell LLC (Keywell) Vac-Air Division (Site) is located at 300 Falconer Street in the Town of Carroll immediately north of the Village of Frewsburg, New York (**Figure 1**). The property is bound by Conewango Creek to the north; open fields, wooded, and low lying areas to the east; commercial and residential properties to the south; and Falconer Street and Frewsburg Water District Supply Well 2A to the west (**Figure 2**). An unnamed, intermittent drainage way consisting of sections of buried culvert and open swale transverses the property and discharges to a low lying wetland area at the north end of the Site. This low lying area drains to Conewango Creek.

The property was formerly owned by Vac-Air Alloys, which began metal processing operations at the site in 1969. As part of the facility operations, trichloroethene (TCE) was used to clean and degrease metals. Prior to 1969, the property was used for the manufacture of wafer board. Keywell purchased the facility in 1987, filed a petition for reorganization under Chapter 11 of the bankruptcy laws in 2013, and underwent a name change on January 14, 2014 (to SGK Venture, LLC). SGK Ventures, LLC processed stainless steel, titanium, and other high grade scrap metal until March 31, 2015 at which time operations ceased.

As discussed in Section 2.0, remedial measures to address solvent releases by the former owners were undertaken by Keywell beginning in 1997.

The following is a summary of the remedial actions and monitoring performed at the site in 2020:

- Semi-annual groundwater sampling and groundwater elevation measurements.
- Monthly system discharge sampling.
- Monthly system influent sampling.
- Site-wide Sub Surface Investigation via Geoprobe.
- Remediation system upgrades.
- Data logger study in three (3) wells for eight (8) weeks.
- New waterline run to remediation system building and new roof installed.
- Weekly Site inspections and overall Site maintenance in accordance with the *Post-Remedial Operation, Maintenance, & Monitoring (OM&M) Plan* (revised April 2015).
    - An annual Site inspection was completed by Groundwater & Environmental Services, Inc. (GES) on November 23, 2020. All engineering controls (ECs) outlined in the OM&M plan were found to be in good condition with no new evidence of damage.

As outlined in the OM&M Plan, semi-annual groundwater monitoring and sampling events were conducted on April 1 through April 3, 2020, and November 30 through December 1, 2020. Samples were analyzed for volatile organic compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method 8260C. This data was compared to the New York State Department of Environmental Conservation (NYSDEC) technical and operations guidance series 1.1.1 (TOGS 1.1.1) groundwater (Class GA) Ambient Water Quality Standards (AWQS). General observations from the groundwater sampling events are detailed below:

- Spring 2020 results: Of the 16 samples collected, eight (8) contained AWQS exceedances for at least one (1) VOC compound (MW-2, MW-3, MW-4, MW-9R, MW-11R, MW-12, MW-13, and MW-14).
- Fall 2020 results: All seven (7) samples collected contained AWQS exceedances for at least one (1) VOC compound (MW-2, MW-3, MW-4, MW-9R, MW-11R, MW-13, and MW-14).

Based on these concentrations, there are multiple wells that exceed NYSDEC TOGS 1.1.1 Class GA AWQS. The following action items are recommended:

- Continuance of semi-annual groundwater monitoring activities.
- Continued use of the dual-phase extraction system to treat groundwater on site.
- See **Section 5** for additional recommendations to: increase system effectiveness, increase uptime, and maintain the system and associated building.

1 Site Overview

1.1 Site Background

The Site is located at 300 Falconer Street in the Town of Carroll near the northern boundary of the Village of Frewsburg, New York (**Figure 1**). It is located in a rural-industrial area off of Falconer Street. The Site lies within a fenced in manufacturing area. It is bordered to the northwest by the Conewango Creek, and across Falconer Street from the Frewsburg Water District Supply Well 2A (**Figure 2**). There are two (2) large and several small buildings on the parcel, as well as paved, grassy and wooded areas. An unnamed, intermittent drainage way consisting of sections of buried culvert and open swale transverses the property and discharges to a low lying wetland area at the north end of the Site. This low lying area drains to Conewango Creek.

The Site is currently vacant and zoned for industrial-manufacturing and processing. Prior to 1969, the property was used for the manufacture of wafer board. Vac-Air started operations at this Site in 1969. The facility operations consisted of sorting, cleaning and packaging of high grade scrap metal. The metal was cleaned by shot blasting, and degreased with solvents, mainly trichloroethene (TCE). Waste produced from process operations included TCE sludge, spent TCE, and waste lubricating and hydraulic oils. Keywell LLC (Keywell) purchased the facility in 1987 and processed stainless steel, titanium, and other high grade scrap metal. The company signed a Consent Order to conduct the Remedial Investigation/Feasibility Study (RI/FS) and remedial action at the Site. Based upon the RI/FS a Record of Decision (ROD) was signed in 1996. A remedial design was completed and construction began in 1997. The Site remediation included solvent recovery, construction of a barrier wall, air sparging/soil vacuum extraction (SVE), groundwater extraction and treatment, sediment excavation, storm water controls, capping, and long term monitoring. The remedial construction was completed in 1999. SGK Ventures, LLC filed a petition for reorganization under Chapter 11 of the bankruptcy laws in 2013, and underwent a name change on January 14, 2014 (to SGK Venture, LLC). SGK Venture, LLC continued operations until March 31, 2015.

The Site is located in the Allegany Plateau physiographic province of New York State. Geology is highly varied and multi-layered. Generally the geology is composed of a Surficial Overburden Unit over the Upper Sand and Gravel Unit and a Confining Unit of lacustrine sediments which contains a channeled, meandering Lower Sand and Gravel Unit overlying a layer of glacial outwash till and bedrock. The total depth of the surficial overburden unit ranges from 0 to 6 feet below ground surface (bgs) and the Upper Sand and Gravel Unit varies in thickness from 3 feet (north) to 22 feet (south). The Confining Unit varies in thickness from 106 feet to 13.5 feet where it separates the Upper Sand and Lower Sand and Gravel Units below which is another 50 feet of glacial outwash sand gravel and clay over Upper Devonian, Conewango Group gray shale and fine grained sandstones located at 156 feet bgs. Groundwater is found in two stratigraphic units, the Water Table Aquifer (shallow) and the Frewsburg Aquifer (deep). These units are separated by the Confining Unit, whose presence allows the Frewsburg Aquifer to normally exhibit artesian conditions. Depth to water (DTW) in the Water Table Aquifer varies from 3 to 6 feet bgs flowing northward toward Conewango Creek.

1.2 Historical Site Activities

In March 1996, a ROD was made in regards to the Site. In September 1996, Keywell signed a Consent Order to conduct the RIFS. Following the ROD, remedial measures began in 1997 in accordance with the ROD and *Evaluation of North Soil Area Remedial Alternatives* dated May 1996. The majority of the remedial construction activities were completed by January 1998. The remedial measures included:

- Installation of a slurry wall along the down gradient boundary of the North Soil Area.
- Installation of a 12-well groundwater extraction system.
- Construction of a groundwater treatment system consisting of two bag filters, an air stripper, and a catalytic combustion unit (CCU) for vapor treatment, with treated effluent discharge to the surface water of Conewango Creek.
- Installation of a six (6) well SVE collection and treatment system within the Center Soil Area.
- Installation of two (2) monitoring wells (MW-13 and MW-14) and two (2) piezometers (PZ2 and PZ3).
- Installation of a new storm sewer along the west side of the Main Building, replacement of the 36-inch corrugated metal pipe storm sewer that traversed the property with a 28-inch high-density polyethylene (HDPE) sewer and installation of a precast concrete oil/sediment/water separation unit (stormceptor) in-line, and other controls to isolate runoff from potentially contaminated groundwater.
- Excavation and off-site disposal of contaminated sediments from the low-lying wet area.
- Asphalt paving of areas north and west of the Main Building.

A *Final Remedial Design Report* dated June 1997 outlined the final design specifications for the remedial measures being implemented at the Site. The *Final Remedial Construction Report* dated July 1998 summarized all remedial measures completed, thus far, following the requirements laid out in the *Final Remedial Design Report* and the Consent Order.

In August 2004 operation of the SVE system was discontinued with New York State Department of Environmental Conservation (NYSDEC) approval since it was demonstrated that the mass of TCE removed by the SVE system under optimal operating conditions was insignificant in contrast to the effectiveness of the treatment system.

In December 2004 pumping began at MW-2 due to persistence of volatile organic compounds (VOCs) in groundwater outside of the barrier wall; however, the well would run dry sooner than anticipated.

In November 2007 a voluntary program was initiated to pump groundwater from MW-14 due to elevated VOC concentrations compared to nearby extraction well concentrations.

On January 19, 2010 the CCU was taken off-line with NYSDEC approval as it was no longer required to provide treatment of VOC off gases from the air stripper to achieve compliance with air emission discharge limitations.

In May 2011 a NYSDEC approved *Post-Remedial Operation, Maintenance & Monitoring (OM&M) Plan* was implemented to update OM&M activities as part of the long-term operation of the various components of the remedial measures.

In March 2015 a request was submitted to NYSDEC to suspend the OM&M requirements for monthly pumping and sampling of monitoring wells MW-2 and MW-14 due to minimal recovery of impacted groundwater.

From January 2010 to February 2016 Benchmark Environmental Engineering & Science, PLLC performed OM&M at the Site. Work completed was reported in annual Periodic Review Reports (PRRs).

In February 2016 GES was contracted by the NYSDEC to conduct routine O&M of the remediation system, groundwater sampling, Site/system repairs as needed, and other associated activities.

In July 2016 GES performed a pilot test to determine total fluid recovery flow rates to allow sizing of a proper total-phase extraction (TPE) pump to replace the existing centrifugal pump.

On October 4, 2016 GES submitted a *Pilot Test Summary Report* to the NYSDEC. The report recommended the installation of a TPE skid to help increase system effectiveness and reliability.

Between February 22, 2019 and March 13, 2019 GES plumbed and installed a TPE skid and control panel, built by Newterra of Brockville, Ontario.

1.3 Recent Project Activities

Work performed at the Site during the 2020 period included:

- From February 24 through March 12, 2020, a three (3) week long sub-surface soil investigation took place on Site. Using a Geoprobe, 93 locations were probed to depths ranging from 10 feet bgs to 22 feet bgs. Of the 93 locations, 45 were selected for sampling, VOCs, polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH) were run based off observations in the field. The sub-surface study data will be included under separate cover as requested by the NYSDEC.
- On March 26 and 27, 2020, a Masterflex Peristaltic Pump was used to develop all 18 TPE system extraction wells. Sediment buildup and debris were successfully removed from extraction wells.
- On March 31, 2020, a Site-wide well gauging event took place. All 18 extraction wells along with 19 monitoring wells and one (1) staff gauge reading were completed.
- The low-flow groundwater sampling spring event was performed on April 1 through April 3, 2020. Normal Site groundwater sampling wells were analyzed for VOCs.

- On April 7 and April 8, 2020 the on Site water treatment system oil water separator (OWS) was taken offline for cleaning. The OWS was bypassed directly to the air stripper (AS). OWS sludge was drummed and sampled for waste disposal.
- From April 22through April 29, 2020 a new HDPE waterline was installed to provide the water treatment building with potable water. Trenching took place to tie new waterline into previously existing waterline.
- On May 7, 2020, the non-operational treatment system bedding pump was removed from a confined space vault. New wires were run for new floats and installation of a new pump at a later date.
- On May 7, 2020, three (3) down well data loggers were installed for an eight (8) week water level study in three (3) wells on Site. MW-13, EW-1, and EW-2 were selected based off previous data.
- On June 6, 2020, electrical upgrades were conducted at the control panel to install remote access via a cellular based internet connection. Additional electrical work took place for installation of new bedding pump and floats at a later date.
- On August 7, 2020, a new 6 mil rubber roof was installed on the water treatment building.
- On October 14, 2020, a second Site-wide gauging event took place. All 18 extraction wells along with 19 monitoring wells and one (1) staff gauge reading were completed.
- On November 6, 2020, a new bedding pump was installed in the confined space vault. Floats were wired in, the pump was wired to the control panel, and the new bedding pump was put into operation.
- On November 30 through December 1, 2020, low-flow groundwater sampling was performed at seven (7) wells; well MW-12 was inadvertently not sampled. Samples were analyzed for VOCs.
- On December 2 and December 3, 2020, work took place to rebuild the door and tray gaskets for the 6 tray AS. This work stopped leaks from the equipment to allow for better treatment of waste water.
- Bi-weekly OM&M events were performed to maintain the system and monitor the Site throughout 2020.

2 Site Operation, Maintenance & Monitoring Plan Compliance Report

The Site remedies include monitoring to evaluate the performance of the remedies as follows:

- Site cover system and drainage monitoring
- Groundwater monitoring
- Monthly system effluent sampling
- Monthly system influent sampling

The annual engineering Site inspection was completed by Groundwater & Environmental Services, Inc. (GES) personnel on November 23, 2020. All engineering controls (ECs) as outlined in the OM&M Plan were found to be in good condition and operating as designed. Inspections should be performed annually as a component of the institutional controls (ICs) as presented in the OM&M Plan. The next annual inspection will be performed in the summer of 2021.

As a component of the ICs presented in the OM&M Plan, on-site EC systems (specifically the groundwater treatment system, cover system, storm water control, subsurface barriers, and fencing/access control) must be protected and replaced as necessary to ensure the devices function in the manner specified in the OM&M Plan. During the Site inspection, no deficiencies were noted. No Site ICs or ECs have been modified by any Site work since GES took over OM&M activities for the Site in February 2016.

Semi-annual groundwater level monitoring is conducted approximately concurrently with the semi-annual groundwater sampling events. Gauging is performed on the 18 extraction wells and 16 monitoring wells. **Figure 2** shows the location of all on-Site wells and **Table 1** shows the extraction well construction information.

Groundwater sampling is performed at 16 monitoring wells in the spring and at eight (8) monitoring wells in the fall. **Table 2.1** summarizes the sample names, locations, sampling schedule, and describes the hydrogeologic location for all monitoring wells included in the groundwater monitoring program. Samples are tested for the parameters listed in the **Table 2.2**.

Table 2.1 Monitoring Well Network Summary

Well ID	Physical Location	Sampling Schedule	General Hydrogeologic Location
MW-1	On-site	Spring Only	Upgradient
MW-2	On-site	Spring and Fall	Downgradient
MW-3	On-site	Spring and Fall	Downgradient
MW-4	On-site	Spring and Fall	Downgradient
MW-4D	On-site	Spring Only	Deep Aquifer Downgradient
MW-5	On-site	Spring Only	Upgradient
MW-5D	On-site	Spring Only	Deep Aquifer Upgradient
MW-6	On-site	Spring Only	Cross/Downgradient
MW-7	Off-site	Spring Only	Crossgradient
MW-8	On-site	Spring Only	Upgradient
MW-9R	On-site	Spring and Fall	Downgradient
MW-10	On-site	Spring Only	Upgradient
MW-11R	On-site	Spring and Fall	Source Area
MW-12	Off-site	Spring and Fall	Cross/Downgradient
MW-13	On-site	Spring and Fall	Downgradient
MW-14	On-site	Spring and Fall	Downgradient

System influent and effluent samples are collected monthly and analyzed for the parameters listed in **Table 2.2**. Effluent samples are collected from a dedicated sample port located in the discharge piping from the air stripper effluent. System influent sampling is performed to monitor trends in influent concentrations and verify treatment system efficiency.

Table 2.2 Media Monitoring Schedule For 2020

Monitoring Program	Frequency	Matrix	Analysis
Groundwater	Semi-Annual	Water	Routine Field Parameters: 1. Static Water Level 2. Specific Conductance 3. Temperature 4. pH 5. Oxidation-Reduction Potential 6. Dissolved Oxygen 7. Turbidity
Groundwater	Semi-Annual	Water	Laboratory Analytes: 8. Target Compound List VOCs
Treatment Effluent	Monthly	Water	Routine Field Parameters 9. pH Laboratory Analytes 10. Target Compound List VOCs 11. Oil & Grease 12. Total Aluminum, Iron, and Zinc
Treatment Influent	Monthly	Water	Laboratory Analytes 13. Target Compound List VOCs

Laboratory analysis is performed using United States Environmental Protection Agency (USEPA) Method 8260C (TCL VOCs), USEPA Method 200.7 (Total Aluminum, Iron, and Zinc), and USEPA Method 1664B Oil and Grease). Samples are analyzed by TestAmerica of Amherst, NY under contract by the NYSDEC.

As outlined in the OM&M Plan, semi-annual groundwater monitoring and sampling events were conducted from April 1 through April 3, 2020 and November 30 through December 1, 2020. Samples were collected via low-flow methods utilizing dedicated tubing, a peristaltic pump, and field parameters were collected using a flow-thru cell and a water quality meter. Low-flow sample logs are included in **Appendix A**.

Spring 2020 Groundwater Sampling Summary

- VOCs in the shallow and deep zones are summarized below:
  - In the shallow zone, monitoring wells MW-2, MW-3, MW-4, MW-9R, MW-11R, MW-12, MW-13, and MW-14 had concentrations that exceeded NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1) groundwater (Class GA) ambient water quality standards (AWQS), while monitoring wells MW-1, MW-5, MW-6, MW-7, MW-8, and MW-10 did not exceed standards.
  - In the deep zone, MW-4D and MW-5D concentrations were below NYSDEC TOGS 1.1.1 Class GA AWQS.

Fall 2020 Groundwater Sampling Summary

- VOCs in the shallow and deep zones are summarized below:
  - In the shallow zone, all seven (7) monitoring well samples, MW-2, MW-3, MW-4, MW-9R, MW-11R, MW-13, and MW-14 had concentrations that exceeded NYSDEC TOGS 1.1.1 Class GA AWQS.
  - No samples were collected from the deep zone during this sampling event.

Groundwater sampling activities conducted in 2020 indicate that current groundwater conditions do not meet the NYSDEC TOGS 1.1.1 Class GA AWQS in multiple monitoring wells.

Results of the 2020 monitoring activities are summarized in **Tables 2** and **3**. Figures showing groundwater contouring for the sampling events are included as **Figure 3** and **Figure 4**. Complete results, including quality assurance/ quality control (QA/QC) sample results, are provided in **Appendix B**. The results of this monitoring program are discussed at greater length in **Section 3**.

3 Remedy Performance, Effectiveness, and Protectiveness Evaluation

Operation, maintenance, and monitoring activities are conducted at the Site as part of the ongoing implementation of the OM&M Plan. These activities provide the data to evaluate remedy performance, effectiveness and protectiveness which are summarized below.

3.1 Site Inspections

The Site is inspected by GES personnel under the following schedule: twice weekly as part of the OM&M schedule, and the system is inspected annually by a licensed Professional Engineer (P.E.) or the P.E.'s designee. The system inspection form is included as **Appendix C**.

The Site cover system is in good condition and operating as designed. The Site access road, fence, and gate are in good condition and working as designed. Additionally, there was no evidence of Site security issues including vandalism, cover system intrusion, or human encroachment.

The stormceptor unit is inspected quarterly, and was found to be free of any collected product. The groundwater monitoring points remained in good condition with well covers in place and secured.

All 18 extraction well pads and road boxes were replaced as part of the well upgrade work performed during 2019.

3.2 Groundwater Quality Monitoring

As outlined in the OM&M Plan, semi-annual groundwater monitoring and sampling was conducted by GES on April 1 through April 3, 2020 and November 30 through December 1, 2020. VOC data is presented in **Table 3** and laboratory analytical reports are included in **Appendix B.**

Groundwater monitoring results are summarized below:

Spring 2020 Groundwater Quality Results

Cis-1,2-Dichloroethene had exceedances in the following monitoring well samples:

- MW-2 at 33,000 micrograms per liter (µg/L)
- MW-3 at 230 µg/L
- MW-4 at 430 µg/L
- MW-9R at 2,900 µg/L
- MW-11R at 230 µg/L
- MW-12 at 100 µg/L
- MW-13 at 580 µg/L
- MW-14 at 860 µg/L

Methylene Chloride had exceedances in the following monitoring well samples:

- MW-11R at 11 µg/L
- MW-13 at 50 µg/L
- MW-14 at 55 µg/L

Trichloroethene had exceedances in the following monitoring well samples:

- MW-3 at 790 µg/L
- MW-4 at 14,000 µg/L
- MW-9R at 2,800 µg/L
- MW-11R at 1,200 µg/L
- MW-12 at 4,900 µg/L
- MW-13 at 2,400 µg/L
- MW-14 at 2,800 µg/L

Vinyl Chloride had exceedances in the following monitoring well samples:

- MW-2 at 33,000 µg/L
- MW-9R at 260 µg/L

In the deep interval, MW-4D and MW-5D sample locations did not exceed NYSDEC TOGS 1.1.1 Class GA AWQS.

Fall 2020 Groundwater Quality Results

Cis-1,2-Dichloroethene had exceedances in the following monitoring well samples:

- MW-2 at 49,000 µg/L

- MW-3 at 100 µg/L
- MW-9R at 820 µg/L
- MW-11R at 130 µg/L
- MW-13 at 510 µg/L
- MW-14 at 1,300 µg/L

Trichloroethene had exceedances in the following monitoring well samples:

- MW-3 at 540 µg/L
- MW-4 at 24,000 µg/L
- MW-9R at 250 µg/L
- MW-11R at 250 µg/L
- MW-13 at 630 µg/L
- MW-14 at 2,000 µg/L

Vinyl Chloride had exceedances in the following monitoring well samples:

- MW-2 at 24,000 µg/L
- MW-9R at 120 µg/L
- MW-13 at 19 µg/L

2020 Groundwater Level Monitoring

Groundwater level monitoring was performed semi-annually concurrently with groundwater sampling. In addition to the water level measurements, the thickness of light non-aqueous phase liquid (LNAPL) was measured and recorded. No LNAPL was detected during the 2020 monitoring activities. An oil/water interface probe was used to measure depth to product (DTP) and depth to water (DTW) levels with an accuracy of approximately ±0.01 feet. Groundwater gauging and elevation data is presented in **Table 2**.

Groundwater contour maps were developed based on the Spring 2020 (**Figure 3**) and Fall 2020 (**Figure 4**) water level data. Variations in flow direction are observed across the Site, but are fairly minimal between the semi-annual monitoring events. However, as has been consistently observed, the Site groundwater flow direction is primarily to the north, towards the barrier wall and the extraction wells. The spring and fall 2020 gauging events were performed during normal system operation. The upgraded groundwater extraction system is showing a significant impact on groundwater levels across the Site. The North side of the Site shows a cone of depression pulling groundwater towards extraction wells from the North, South, East, and West. Both spring 2020 and fall 2020 data show that during normal system operation groundwater is being pulled to extraction wells and acting to keep groundwater on-Site.

Monitoring of the wells will continue on a semi-annual basis to continue to evaluate contamination levels as well as groundwater flow conditions.

3.3 Remedial System Summary

A TPE skid and control panel, built by Newterra of Brockville, Ontario, were plumbed and installed between February 22, 2019 and March 13, 2019 by GES staff. The TPE skid consists of a 140 gallon vapor/liquid separator (VLS), a high efficiency vacuum pump, inlet vacuum filters, pulse meter (skid totalizer), and transfer pump. The TPE system is capable of continuous vacuum at 24 inches of mercury (”Hg). This vacuum is tied into 18 extraction wells located across the Site, allowing for increased groundwater extraction and treatment. Results are showing an increase in the water table depression across the Site during system operation.

Groundwater is pulled from the 18 extraction wells to the water treatment building. It enters the 140 gallon VLS where larger solids can settle out before a float system triggers the transfer pump. The groundwater is then pumped through two (2) 25 micron bag filters, where smaller sediments are removed. From the bag filters the water then moves to an air stripper before discharge. In 2020 GES bypassed the OWS allowing water to be sent directly to the air stripper for treatment.

From January 2, 2020 through December 31, 2020 the system treated 5,301,249 gallons of groundwater with an average flow rate of approximately 12 gallons per minute (gpm). The system up-time for the reporting period was approximately 87.44%, which takes system downtime into account due to standard system maintenance, repairs, and upgrades. From January 2, 2020 to January 24, 2020 the system was down due to a transfer pump failure. The system operated normally for several months with the occasional shut down due to maintenance or cleaning. From October 27, 2020 to November 6, 2020 the system was down again due to a transfer pump failure. Once the pump was repaired the system had normal operation for the remainder of 2020. All down time and shutdowns are factored into the yearly uptime percentage above.

System operational data for the reporting period including hour meters and totalizer readings is included in **Table 4**.

2020 System Water Quality Results

System effluent samples are collected monthly for Target Compound List (TCL) VOCs, oil and grease, aluminum, iron, and zinc. **Table 5** presents a summary of the monthly effluent results for 2020 compared to the NYSDEC Effluent Limits provided in the 2015 OM&M Manual. **Table 6** presents a summary of monthly treatment system influent and effluent VOC analytical data.

System effluent water VOC concentration results were above effluent limits every month in 2020 with the exception of March 2020. Due to air stripper issues and increased influent sample concentrations, the system was unable to treat recovered groundwater to below the effluent limits in 2020. However, the air stripper has been rebuilt, higher air stripper air flow has been established, and the issues have since been resolved in 2021. See **Table 5** for monthly effluent analytical results.

3.4 Remedial Evaluation

Although the Site remedies and ECs are still in place and functional, an evaluation of the Site 2020 groundwater sampling results reveals the following items of note.

1. The highest groundwater VOC concentrations in the Site monitoring well network are present at monitoring well MW-2, which is located downgradient of the slurry wall barrier system, between the barrier and Conewango Creek. However, a drum field has since been discovered to the north of MW-2, outside the existing slurry wall adjacent up to where MW-2 is located. Due to the presence of the drum field adjacent to monitoring well MW-2, the source of the VOC impacts at MW-2 is not defined. Further testing must be conducted to identify the source of VOC impacts at MW-2 in order to evaluate plans for remediation.
    - Operation of the groundwater treatment system in conjunction with the barrier wall is not eliminating all groundwater VOC impacts downgradient of the barrier system (in the vicinity of monitoring well MW-2).
    - Modification of the Site ECs to address groundwater impacts at monitoring well MW-2 should be evaluated.
        - With the 2019 upgrades to the groundwater treatment system, higher system groundwater recovery rates were observed. However, high VOC concentrations still persist at MW-2.
        - Because VOC concentrations at MW-2 have not been affected by the upgraded TPE system, it is recommended test pits be dug on the downgradient side of MW-2 where the drum field is located.
            - Due to the location of the drum field in relation to Conewango Creek, measures must be taken to ensure disturbing the drum field will not send potential impacts into the creek.
2. Elevated groundwater VOC concentrations are observed at monitoring wells MW-13 and MW-14, located to the west of the end of the slurry wall and adjacent to and downgradient of the groundwater recovery system extraction wells, respectively.
    - Operation of the upgraded groundwater recovery system in 2020 does show small results in decreasing groundwater VOC concentration trends at these wells; however, operation of the TPE system at the Site in 2020 is not adequately capturing dissolved-phase VOCs from migrating past the line of extraction wells located to the west of the barrier wall.
    - Continued groundwater monitoring in 2021 is recommended to observe if longer-term operation of the upgraded TPE system continues to reduce groundwater VOC concentrations at monitoring wells MW-13 and MW-14. If VOC concentrations at these wells do not decrease in 2021, an extension of the groundwater recovery system to these monitoring wells or an alternate remedial solution to address groundwater VOCs in the vicinity of monitoring wells MW-13 and MW-14 should be evaluated.
3. Elevated groundwater VOC concentrations are still observed at off-Site monitoring well MW-12, located west of Falconer Street from monitoring well MW-13.
    - Therefore, the Site ECs are not preventing migration of impacted groundwater off-Site to the west. There is likely a component of groundwater flow at the Site which extends northwest instead of directly north. Therefore, all impacted groundwater from the Site is not captured by the existing groundwater recovery system.
    - Expansion of the Site groundwater recovery system or implementation of an alternate remedial solution along the Site's northwestern property boundary (between

approximately monitoring well MW-13 and MW-4) should be evaluated to mitigate additional off-Site migration of the dissolved-phase plume.

4 Institutional Control/Engineering Control Compliance Report

The Keywell LLC Vac-Air Division Site remedies involve the use of both ICs and ECs, which include the following:

- ICs
  - Land Use restriction
  - Groundwater Use Restriction
  - Long-term OM&M Plan
- ECs
  - Groundwater treatment system
  - Barrier wall
  - Stormwater control with sediment catch basins
  - Paved cap
  - Subsurface barriers
  - Fencing/Access control

Based on review of project documentation and Site inspections, each of the ICs and ECs at the Site are fully in place and have not been modified by any Site work since GES took over OM&M activities in February 2016, with the exception of the groundwater treatment system. The changes to the system can be found in Sections 1.2 and 1.3.

5 Summary, Conclusions, and Recommendations

5.1 Compliance with OM&M Plan

The controlling document for the Site is the approved *Post Remediation OM&M Plan* (prepared by Benchmark Environmental Engineering & Science, PLLC, dated May 2011, revised April 2015). The requirements of the OM&M Plan have been met during the reporting period of this PRR.

5.2 Performance and Effectiveness of the Remedies

- From January 2, 2020 through December 31, 2020 the system treated 5,301,249 gallons with an average flow rate of approximately 12 gpm. The system was down from December 2019 through January 2020 due to a failed transfer pump. In comparison, during 2019 the system treated 2,827,266 gallons at an approximate flow rate of 7.9 gpm.

- The groundwater treatment system uptime was 87.44% for the 2020 reporting period. In comparison, the 2019 uptime was 71%. Uptime in 2020 was affected by system shut downs related to transfer pump failure and warranty replacement along with normal downtime for system maintenance and cleaning.
    - In 2019, GES completed a full extraction well upgrade to compliment the new TPE system equipment. All 18 extraction wells were upgraded with new pitless adaptors, drop tubes, check valves, and shutoffs. This work has shown increased system groundwater recovery and improved performance.
    - Site groundwater concentration trends in 2021 should continue to be evaluated to determine if reductions in the groundwater VOC concentrations at monitoring wells MW-2, MW-12, MW-13, and MW-14 are observed following operation of the enhanced groundwater treatment system at a higher groundwater extraction flow rate.
- The upgrades to all 18 extraction wells in 2019 has allowed GES to gauge the system while it is operating, allowing for measurement of groundwater table depression during system operation at each extraction well. Recent gauging data during system operation has shown DTW ranging from 16 feet bgs to 24 feet bgs across all 18 extraction wells under normal operation. However, GES has noticed a decrease in system performance due to the presence of bacteria growing in extraction wells. The wells and drop tubes need to be cleaned periodically to prevent clogging and allow the system to work at peak efficacy. Currently a treatment plan has been put in place and dosing of the wells with a chemical to counteract the bacteria will begin in the spring of 2021.
    - Site wide groundwater level measurements in 2020 were measured while the system was operational, which have allowed for better determination of hydraulic gradients during system operation. This data shows, under normal operation groundwater is being pulled from North, South, East, and West into all 18 extraction wells. In **Figure 3** and **Figure 4,** groundwater contours indicate a noticeable cone of depression around both of the two (2) portions of the extraction well system. Site-wide gauging events will be conducted during 2021 while the system is operating normally to determine the effectiveness of groundwater depression.
    - Increased pumping rates from the extraction wells in 2021 may increase the groundwater depression zone downgradient of the barrier wall, potentially enhancing mitigation of Site dissolved-phase VOC migration towards Conewango Creek.
- VOC concentrations remain elevated at monitoring well MW-12 (to the west of Falconer Street in the direction of Municipal Supply Well 2A), monitoring wells MW-13 and MW-14 located downgradient of the barrier wall and extraction system wells in the northwest of the Site, and at monitoring well MW-2 located upgradient of the Site remedial measures between the barrier wall and Conewango Creek.

- Therefore, the System ECs of the barrier wall and groundwater extraction system are not adequately mitigating off-Site migration of impacted groundwater.
- Additional contaminant plumes may exist outside the barrier wall and could account for the levels of VOCs in upgradient wells. Test pitting should be conducted outside the barrier wall, in a recently discovered drum field, to determine if contamination is present.
- After an additional year of higher groundwater recovery from the enhanced TPE system, evaluation of additional remedial measures to address these groundwater impacts should be completed.

5.3 Upcoming work

GES will conduct additional Site repairs and upgrades in 2021. This work has already been scheduled or is in the process of being scheduled and will take place throughout 2021.

- Boresaver Application – The wells will be treated with Boresaver to help alleviate bio-fouling of the wells that is causing increased maintenance and decreased draw-down of the groundwater table.
- Treatment system upgrade – The treatment system will be upgraded to include the addition of a variable frequency drive to allow adjustment of the system transfer pump to decrease stress on the pump and premature pump maintenance/failure.
- Flowmeter installation – Installation of a new system flowmeter that will interface with the new telemetry system installed in 2020. The new flowmeter will allow more effective remote system monitoring and troubleshooting and decrease trips to the Site to respond to system alarms.

5.4 Recommendations

To increase the groundwater treatment system effectiveness, further understand the extent and distribution of on-Site contaminants, and evaluate alternate remedial options to address various areas of Site impacts, GES recommends completion of the activities and evaluations detailed below.

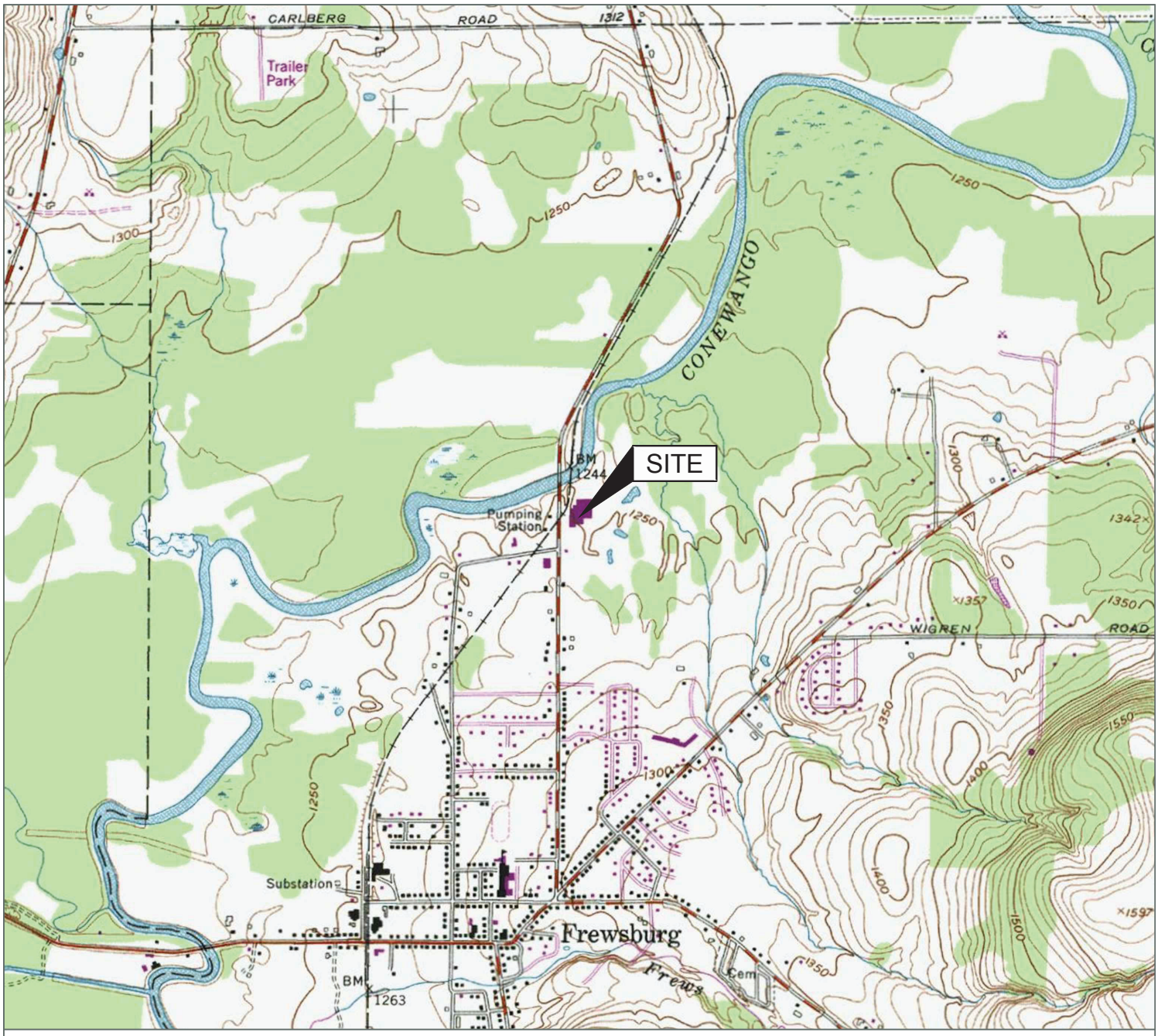
- Repairs & Upgrades:
  - Air stripper effectiveness evaluation – The system groundwater influent VOC concentrations showed an increase in 2019 following the treatment system upgrades and effluent exceedances occurred during 2020. Analytical results through the first part of 2021 show a decrease in effluent VOC concentrations to below discharge limits. Analytical data will continue to be tracked monthly throughout 2021 to determine whether or not the trend continues.
  - Bio-fouling of wells – Bio-fouling of the extraction wells and subsequently the remediation system has begun to add to the maintenance needs of the system. GES worked with Boresaver to sample the wells for bacteria and to develop a

treatment plan to remedy the bio-fouling issue. The initial Boresaver application was performed in May 2021 and subsequent gauging and well inspections will be performed throughout 2021 to determine treatment effectiveness.

- OWS Removal – The OWS was bypassed, and cleaned in 2020. The system has been monitored for the presence of product and system water analytical data for any changes related to the removal of the OWS with no changes observed. It is recommended that the OWS be removed from the system.

- Investigation Activities:
  - Water level study – To better evaluate the effect of the treatment system and on-going upgrades on the groundwater elevation, Site wide gauging will be performed while the system has been operational for at least one week.
- Additional Remediation Evaluation:
  - Remedial option evaluations: northwest portion of the Site – In order to address groundwater VOC impacts at monitoring wells MW-13 and MW-14 (located adjacent to and downgradient of the system extraction wells in the northwest corner of the Site) and to address off-Site VOC impacts observed at monitoring well MW-12, evaluation of the current system to mitigate this migration and/or evaluation of alternate remedial options should be completed.
    - Upgrades to the Site groundwater recovery system in 2020 may have an effect of more adequately capturing dissolved-phase VOCs in the northwest portion of the Site (in the vicinity of monitoring wells MW-13 and MW-14). Continued sampling and data evaluation in 2021 should assist in determination of system effectiveness in that area of the Site.

Figures



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1979
Jamestown, New York
Contour Interval = 10'

Site Location Map

NYSDEC
Vac-Air Alloys Site #907016
300 Falconer Street
Frewsburg, New York

Drawn
W.G.S.
Designed

Approved

Date
2/6/19
Figure
1

N

Scale In Feet
0 2000

GES
Groundwater & Environmental Services, Inc.

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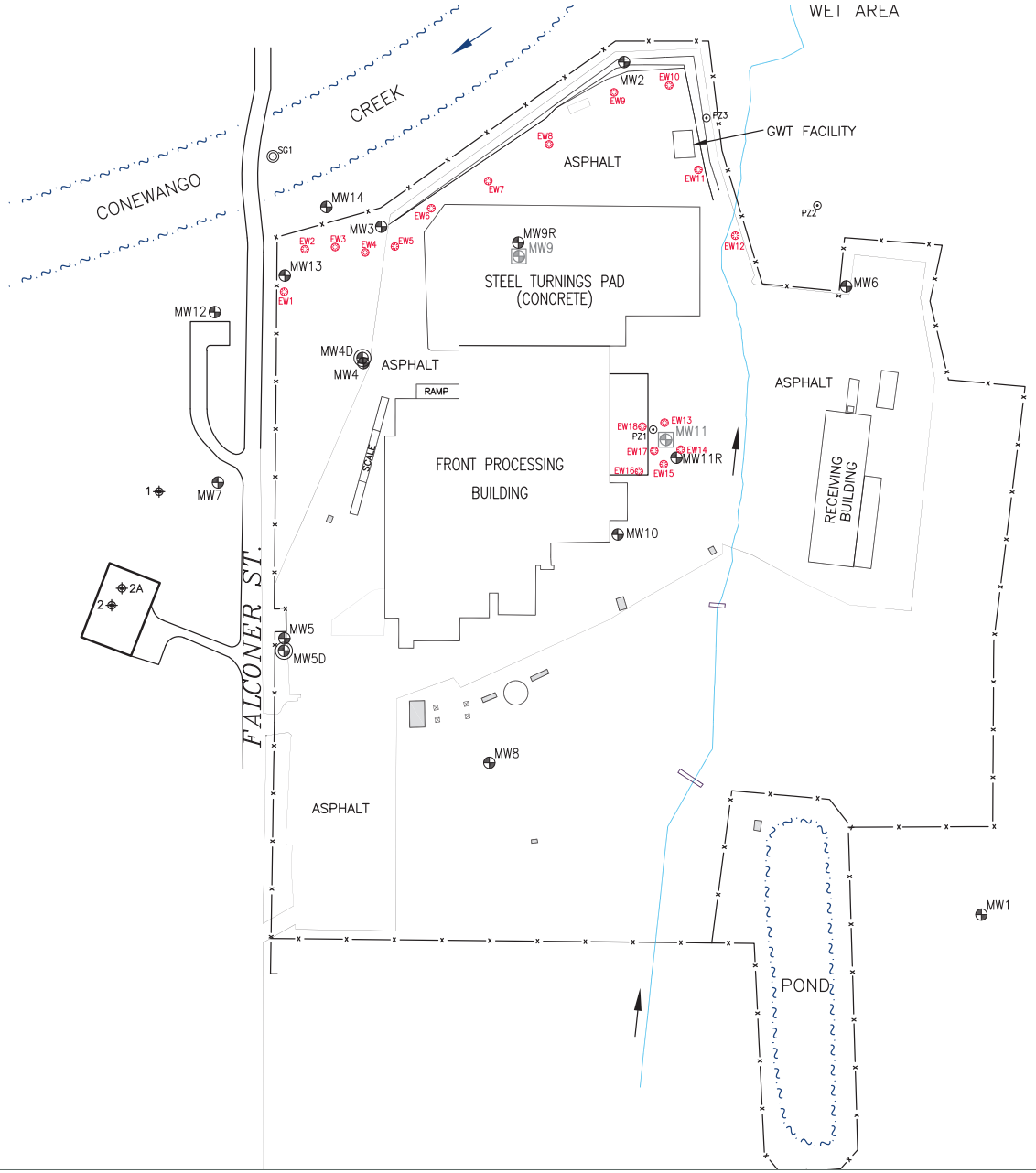

LEGEND

- FENCE
- BARRIER WALL
- SWALE/CULVERT
- SHALLOW MONITORING WELL
- DESTROYED/ABANDONED WELL
- DEEP MONITORING WELL
- EXTRACTION WELL
- PIEZOMETER
- SURFACE WATER/STAFF GAUGE LOCATION

Site Map

NYSDEC
Vac-Air Alloys Site #907016
300 Falconer Street
Frewsburg, New York

Drawn W.G.S.
Designed
Approved

Date 2/21/20
Figure 2

Scale In Feet
0 150

Groundwater & Environmental Services, Inc.

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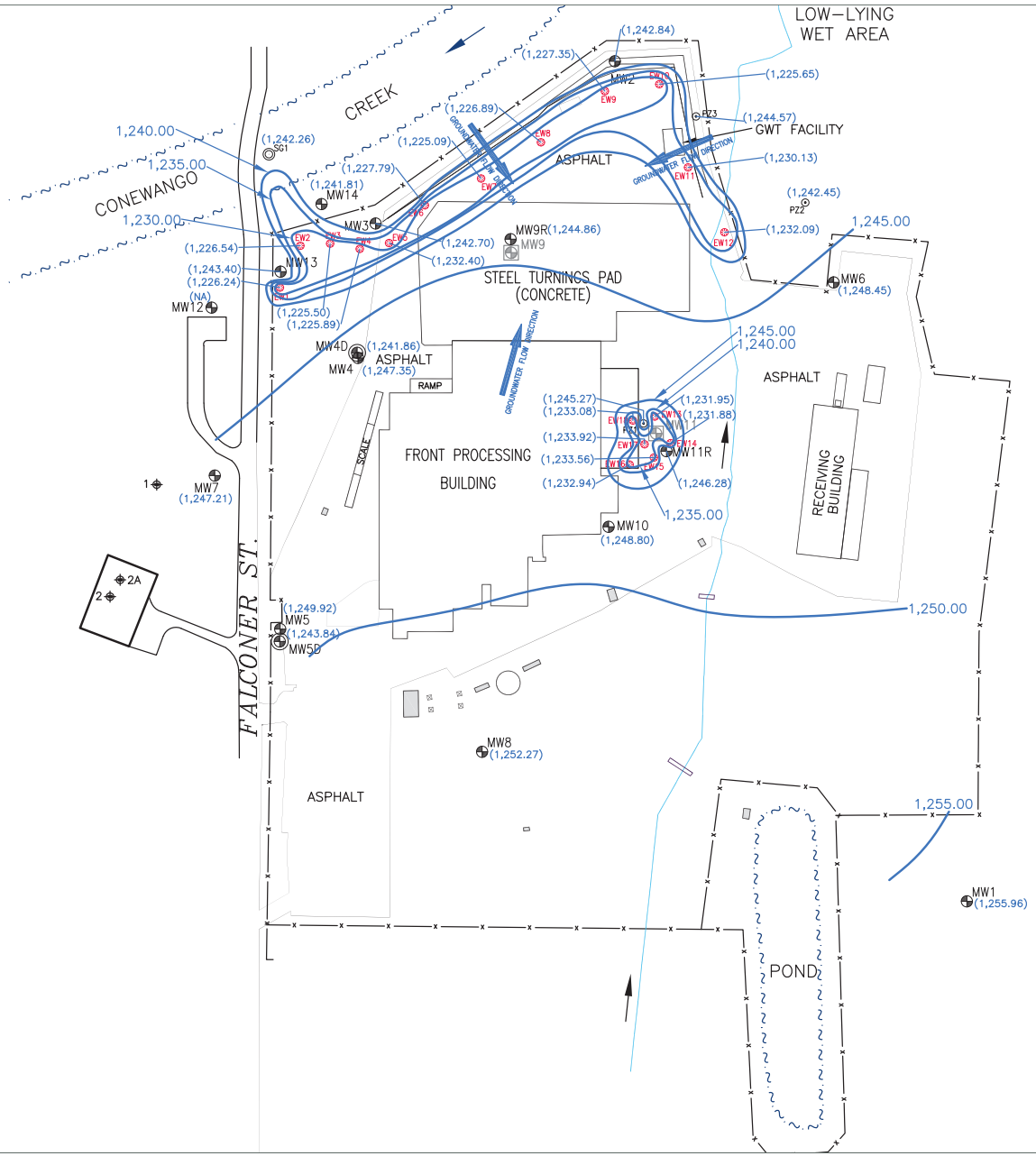

LEGEND

- FENCE
- BARRIER WALL
- SWALE/CULVERT
- SHALLOW MONITORING WELL
- DESTROYED/ABANDONED WELL
- DEEP MONITORING WELL
- EXTRACTION WELL
- PIEZOMETER
- SURFACE WATER/STAFF GAUGE LOCATION
- (1,255.96) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (feet)
- (NA) NOT AVAILABLE

NOTE:

MW4D AND MW5D ELEVATIONS ARE EXCLUDED FROM GROUNDWATER CONTOURS.

MW12 WAS UNDER PRESSURE DURING THE GAUGING EVENT AND IS EXCLUDED FROM GROUNDWATER CONTOURS.

Groundwater Contour Map
March 31, 2020

NYSDEC
Vac-Air Alloys Site #907016
300 Falconer Street
Frewsburg, New York

Drawn W.G.S.
Designed
Approved

Date 7/13/21
Figure 3

Scale In Feet
0 150

Groundwater & Environmental Services, Inc.

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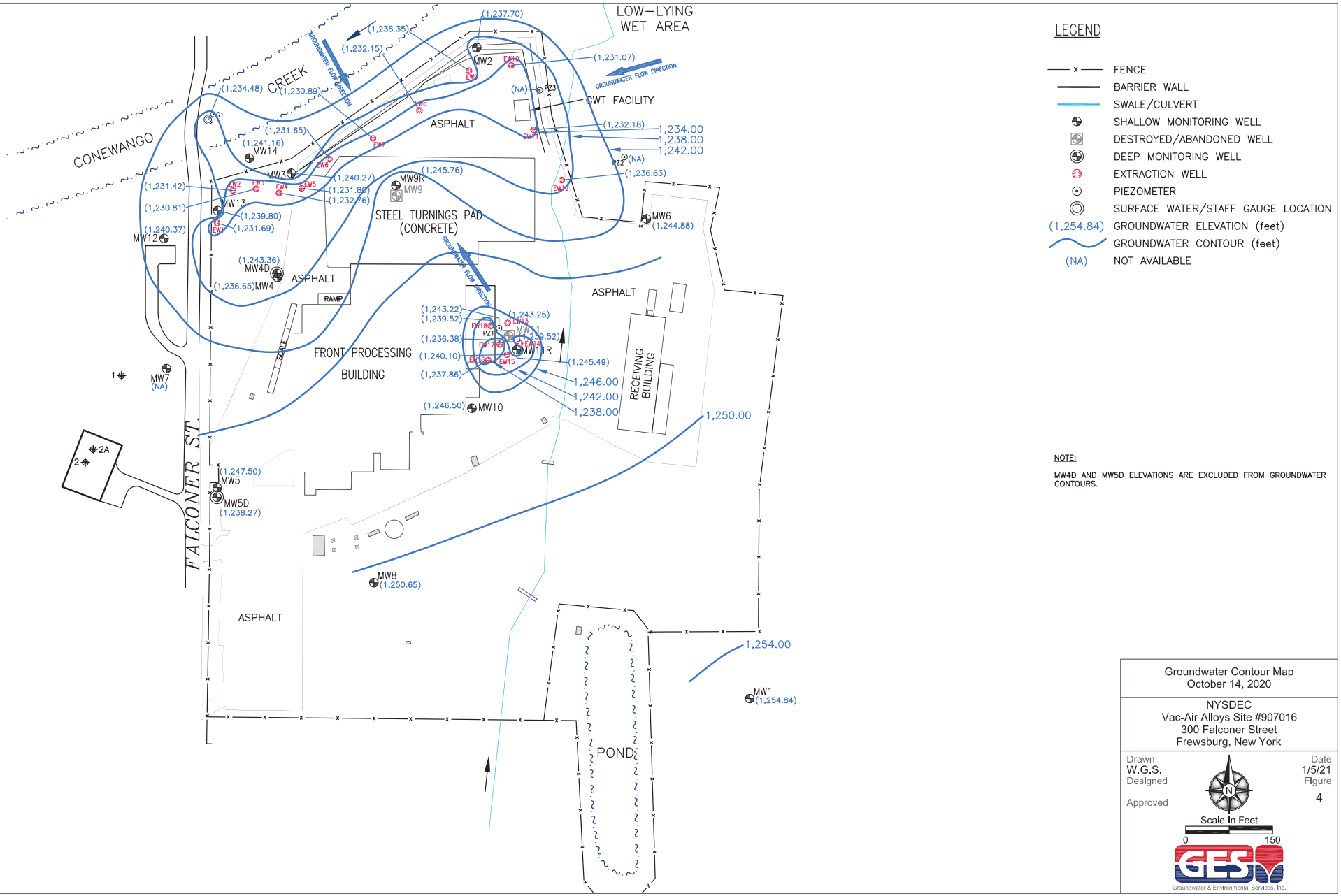

LEGEND

- FENCE
- BARRIER WALL
- SWALE/CULVERT
- SHALLOW MONITORING WELL
- DESTROYED/ABANDONED WELL
- DEEP MONITORING WELL
- EXTRACTION WELL
- PIEZOMETER
- SURFACE WATER/STAFF GAUGE LOCATION
- (1,254.84) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (feet)
- (NA) NOT AVAILABLE

NOTE:

MW4D AND MW5D ELEVATIONS ARE EXCLUDED FROM GROUNDWATER CONTOURS.

Groundwater Contour Map
October 14, 2020

NYSDEC
Vac-Air Alloys Site #907016
300 Falconer Street
Frewsburg, New York

Drawn W.G.S.
Designed
Approved

Date 1/5/21
Figure 4

Scale In Feet
0 150

Groundwater & Environmental Services, Inc.

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Tables

Table 1

Extraction Well Construction Details

Extraction Well No.	Ground Elevation	Top of Clay Elevation	Bottom of Screen Elevation	Discharge Invert Elevation
EW-1	1246.00	1229.77	1230.02	1241.80
EW-2	1246.48	1228.43	1228.68	1241.50
EW-3	1247.85	1229.85	1230.10	1242.50
EW-4	1248.93	1230.93	1231.18	1244.27
EW-5	1249.35	1227.10	1227.35	1244.31
EW-6	1249.93	1225.93	1226.18	1244.47
EW-7	1249.60	1227.60	1227.85	1244.63
EW-8	1249.10	1231.60	1231.85	1244.82
EW-9	1250.10	1231.93	1232.18	1244.93
EW-10	1249.10	1230.68	1230.93	1245.07
EW-11	1249.35	1232.10	1232.35	1245.17
EW-12	1251.00	1229.77	1230.02	1244.95
EW-13	1251.60	1231.60	1231.85	1244.38
EW-14	1251.35	1233.35	1233.60	1244.34
EW-15	1251.27	1233.27	1233.52	1246.72
EW-16	1251.00	1231.27	1231.52	1246.75
EW-17	1251.27	1231.27	1231.52	1246.54
EW-18	1250.93	1226.93	1227.18	1246.71

Table 2

Groundwater Gauging Data

Well ID	Top of Casing Elevation (ft amsl)	Well Diameter (inches)	Depth to Water (ft btoc)		Groundwater Elevation (ft amsl)	
			3/31/2020	10/14/2020	3/31/2020	10/14/2020
EW-1	1246.00	4	19.76	14.31	1226.24	1231.69
EW-2	1246.48	4	19.94	15.06	1226.54	1231.42
EW-3	1247.85	4	22.35	17.04	1225.50	1230.81
EW-4	1248.93	4	23.04	16.17	1225.89	1232.76
EW-5	1249.35	4	16.95	17.55	1232.40	1231.80
EW-6	1249.93	4	22.14	18.28	1227.79	1231.65
EW-7	1249.60	4	24.51	18.71	1225.09	1230.89
EW-8	1249.10	4	22.21	16.95	1226.89	1232.15
EW-9	1250.10	4	22.75	11.75	1227.35	1238.35
EW-10	1249.10	4	23.45	18.03	1225.65	1231.07
EW-11	1249.35	4	19.22	17.17	1230.13	1232.18
EW-12	1251.00	4	18.91	14.17	1232.09	1236.83
EW-13	1251.60	4	19.65	8.35	1231.95	1243.25
EW-14	1251.35	4	19.47	11.83	1231.88	1239.52
EW-15	1251.27	4	17.71	11.17	1233.56	1240.10
EW-16	1251.00	4	18.06	13.14	1232.94	1237.86
EW-17	1251.27	4	17.35	14.89	1233.92	1236.38
EW-18	1250.93	4	17.85	11.51	1233.08	1239.42
MW-1	1260.60	2	4.64	5.76	1255.96	1254.84
MW-2	1251.60	2	8.76	13.90	1242.84	1237.70
MW-3	1252.30	2	9.60	12.03	1242.70	1240.27
MW-4	1250.10	2	2.75	13.45	1247.35	1236.65
MW-4D	1249.37	2	7.51	6.01	1241.86	1243.36
MW-5	1256.50	2	6.58	9.00	1249.92	1247.50
MW-5D	1255.14	2	11.30	16.87	1243.84	1238.27
MW-6	1253.70	2	5.25	8.82	1248.45	1244.88
MW-7	1253.76	2	6.55	-	1247.21	-
MW-8	1256.65	2	4.38	6.00	1252.27	1250.65
MW-9R	1249.88	2	5.02	4.12	1244.86	1245.76
MW-10	1253.50	2	4.70	7.00	1248.80	1246.50
MW-11R	1250.80	2	4.52	5.31	1246.28	1245.49
MW-12	1243.08	2	Artesian	2.71	-	1240.37
MW-13	1246.04	2	2.64	6.24	1243.40	1239.80
MW-14	1247.46	2	5.65	6.30	1241.81	1241.16
PZ-1	1250.22	2	4.95	7.00	1245.27	1243.22
PZ-2	1247.43	2	4.98	-	1242.45	-
PZ-3	1250.82	2	6.25	-	1244.57	-
SG-1	1253.91	2	11.65	19.43	1242.26	1234.48

Note:
ft btoc - feet below top of casing
ft amsl - feet above mean sea level
NM - Not measured
NA - Not applicable
* Extraction wells (EW-#) were previously surveyed at ground elevation, no data top of casing

Table 3
Groundwater Analytical Data 2020

Chemical Name	NYSDEC TOGS 1.1.1 GWQS	Well ID	MW-1	MW-2		MW-3		DUP-113020 (MW-11R)	MW-4		MW-4D	MW-5	MW-5D	MW-6	MW-7
		Sample Date	04/01/20	04/01/20	12/01/20	04/01/20	11/30/20	11/30/20	04/01/20	11/30/20	04/01/20	04/01/20	04/01/20	04/02/20	04/02/20
		Depth to Water (ft btoc)	3.72	9.03	10.17	9.95	10.75		2.92	4.32	7.83	6.54	7.02	6.04	6.86
1,1,1-Trichloroethane	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,1,2,2-Tetrachloroethane	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,1,2-Trichloroethane	1	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,1-Dichloroethane	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,1-Dichloroethene	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,2,4-Trichlorobenzene	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,2-Dibromo-3-chloropropane	0.04	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,2-Dibromoethane	0.0006	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,2-Dichlorobenzene	3	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,2-Dichloroethane	0.6	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,2-Dichloropropane	1	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,3-Dichlorobenzene	3	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,4-Dichlorobenzene	3	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
1,4-Dioxane	NS	µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	50	µg/L	ND < 5.0 U	ND < 2500 U	ND < 10000 U	ND < 200 U	ND < 100U	ND < 50 U	ND < 5000 U	ND < 5000 U	ND < 5.0 U	ND < 5.0 U	ND < 5.0 U	ND < 20.0 U	ND < 5.0 U
2-Hexanone	50	µg/L	ND < 5.0 U	ND < 2500 UT	ND < 5000 U	ND < 100 U	ND < 50 U	ND < 25 U	ND < 2500 U	ND < 2500 U	ND < 5.0 U	ND < 5.0 U	ND < 5.0 U	ND < 10.0 U	ND < 5.0 U
4-Methyl-2-pentanone	NS	µg/L	ND < 5.0 U	ND < 2500 U	ND < 5000 U	ND < 100 U	ND < 50 U	ND < 25 U	ND < 2500 U	ND < 2500 U	ND < 5.0 U	ND < 5.0 U	ND < 5.0 U	ND < 10.0 U	ND < 5.0 U
Acetone	50	µg/L	ND < 10 U	ND < 2500 U	ND < 10000 U	ND < 200 U	ND < 100 U	ND < 50 U	ND < 5000 U	ND < 5000 U	ND < 10.0 U	ND < 5.0 U	ND < 5.0 U	ND < 20.0 U	ND < 5.0 U
Benzene	1	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Bromodichloromethane	50	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Bromoform	50	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Bromomethane	50	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Carbon Disulfide	60	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Carbon tetrachloride	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Chlorobenzene	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Chloroethane	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Chloroform	7	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Chloromethane	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
cis-1,2-Dichloroethene	5	µg/L	ND < 1.0 U	**33000 F1**	**49000**	**230**	**100**	**130**	**430 J**	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
cis-1,3-Dichloropropene	0.4	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Cyclohexane	NS	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Dibromochloromethane	50	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Dichlorodifluoromethane	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Ethylbenzene	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Isopropylbenzene	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Methyl acetate	NS	µg/L	ND < 5.0 U	ND < 2500 U	ND < 2500 U	ND < 50 U	ND < 25 U	ND < 13 U	ND < 1300 U	ND < 1300 U	ND < 5.0 U	ND < 5.0 U	ND < 5.0 U	ND < 5.0 U	ND < 5.0 U
Methyl tert-butyl ether	10	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Methylcyclohexane	NS	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Methylene chloride	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Styrene	50	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Tetrachloroethene	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Toluene	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
trans-1,2-Dichloroethene	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
trans-1,3-Dichloropropene	0.4	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Trichloroethene	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	**790**	**540**	**260**	**14000**	**24000**	**1.2**	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Trichlorofluoromethane	5	µg/L	ND < 1.0 U	ND < 500 U	ND < 1000 U	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Vinyl Chloride	2	µg/L	ND < 1.0 U	**33000 F1**	**24000**	ND < 20 U	ND < 10 U	ND < 5.0 U	ND < 500 U	ND < 500 U	ND < 1.0 U	ND < 1.0 U	ND < 1.0 U	ND < 2.0 U	ND < 1.0 U
Xylenes, Total	5	µg/L	ND < 2.0 U	ND < 1000 U	ND < 2000 U	ND < 40 U	ND < 20 U	ND < 10 U	ND < 1000 U	ND < 1000 U	ND < 2.0 U	ND < 2.0 U	ND < 2.0 U	ND < 4.0 U	ND < 2.0 U

Notes:

µg/L = micrograms per liter

ft btoc = feet below top of casing

NYSDEC TOGS 1.1.1 GWQS = New York State Department of Environmental Conservation Technical and Operational Guidance Series 1.1.1 June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater.

Bold values exceed the NYSDEC TOGS 1.1.1 GWQS.

NS = No Standard

ND <# = Indicates compound was analyzed for, but not detected at or above the indicated reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

U = Compound was not detected at or above laboratory method detection limit (MDL)

Table 3
Groundwater Analytical Data 2020

Chemical Name	NYSDEC TOGS 1.1.1 GWQS	Well ID	MW-8	MW-9R		MW-10	MW-11R		DUP-A (MW-5)	MW-12	MW-13		MW-14	
		Sample Date	04/02/20	04/02/20	12/01/20	04/02/20	04/03/20	11/30/20	04/03/20	04/02/20	04/03/20	12/01/20	04/03/20	12/01/20
		Depth to Water (ft btoc)	3.54	5.11	5.92	4.64	4.2	4.41		Artesian	3.24	4.23	7.41	6.41
1,1,1-Trichloroethane	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,1,2,2-Tetrachloroethane	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,1,2-Trichloroethane	1	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,1-Dichloroethane	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,1-Dichloroethene	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,2,4-Trichlorobenzene	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,2-Dibromo-3-chloropropane	0.04	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,2-Dibromoethane	0.0006	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,2-Dichlorobenzene	3	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,2-Dichloroethane	0.6	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,2-Dichloropropane	1	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,3-Dichlorobenzene	3	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,4-Dichlorobenzene	3	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
1,4-Dioxane	NS	µg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	50	µg/L	ND < 5.0 U	ND < 1000 U	ND < 2000 U	ND < 5.0 U	ND < 100 U	ND < 50 U	ND < 10 U	ND < 100 U	ND < 800 U	ND < 100 U	ND < 1000 U	ND < 400 U
2-Hexanone	50	µg/L	ND < 5.0 U	ND < 500 U	ND < 100 U	ND < 5.0 U	ND < 100 U	ND < 25 U	ND < 5.0 U	ND < 100 U	ND < 400 U	ND < 50 U	ND < 500 U	ND < 200 U
4-Methyl-2-pentanone	NS	µg/L	ND < 5.0 U	ND < 500 U	ND < 100 U	ND < 5.0 U	ND < 100 U	ND < 25 U	ND < 5.0 U	ND < 100 U	ND < 400 U	ND < 50 U	ND < 500 U	ND < 200 U
Acetone	50	µg/L	ND < 5.0 U	ND < 1000 U	ND < 200 U	ND < 1.0 U	ND < 100 U	ND < 50 U	ND < 10 U	ND < 100 U	ND < 800 U	ND < 100 U	ND < 1000 U	ND < 400 U
Benzene	1	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Bromodichloromethane	50	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Bromoform	50	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Bromomethane	50	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Carbon Disulfide	60	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Carbon tetrachloride	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Chlorobenzene	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Chloroethane	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Chloroform	7	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Chloromethane	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
cis-1,2-Dichloroethene	5	µg/L	ND < 1.0 U	**2,900**	**820**	ND < 1.0 U	**230**	**130**	ND < 1.0 U	**100**	**580**	**510**	**860**	**1300**
cis-1,3-Dichloropropene	0.4	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Cyclohexane	NS	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Dibromochloromethane	50	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Dichlorodifluoromethane	5	µg/L	ND < 1.0 U	ND < 100 UT	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 UT	ND < 40 U
Ethylbenzene	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Isopropylbenzene	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Methyl acetate	NS	µg/L	ND < 5.0 U	ND < 250 U	ND < 50 U	ND < 5.0 U	ND < 100 U	ND < 13 U	ND < 2.5 U	ND < 100 U	ND < 200 U	ND < 25 U	ND < 250 U	ND < 100 U
Methyl tert-butyl ether	10	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Methylcyclohexane	NS	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Methylene chloride	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	**11**	ND < 5.0 U	ND < 1.0 U	ND < 20 U	**50 J**	ND < 10 U	**55 J**	ND < 40 U
Styrene	50	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Tetrachloroethene	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Toluene	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
trans-1,2-Dichloroethene	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
trans-1,3-Dichloropropene	0.4	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 10 U	ND < 100 U	ND < 40 U
Trichloroethene	5	µg/L	ND < 1.0 U	**2,800**	**250**	ND < 1.0 U	**1200**	**250 F1**	ND < 1.0 U	**4900 F1**	**2400**	**630**	**2800**	**2000**
Trichlorofluoromethane	5	µg/L	ND < 1.0 U	ND < 100 U	ND < 20 U	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	ND < 400 U	ND < 100 U	ND < 40 U
Vinyl Chloride	2	µg/L	ND < 1.0 U	**260**	**120**	ND < 1.0 U	ND < 20 U	ND < 5.0 U	ND < 1.0 U	ND < 20 U	ND < 80 U	**19**	ND < 100 U	ND < 40 U
Xylenes, Total	5	µg/L	ND < 2.0 U	ND < 200 U	ND < 40 U	ND < 2.0 U	ND < 40 U	ND < 40 U	ND < 2.0 U	ND < 40 U	ND < 160 U	ND < 800 U	ND < 200 U	ND < 80 U

Notes:

µg/L = micrograms per liter

ft btoc = feet below top of casing

NYSDEC TOGS 1.1.1 GWQS = New York State Department of Environmental Conservation Technical and O
Guidance Series 1.1.1 June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater.

Bold values exceed the NYSDEC TOGS 1.1.1 GWQS.

NS = No Standard

ND <# = Indicates compound was analyzed for, but not detected at or above the indicated reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the conc
approximate value.

U = Compound was not detected at or above laboratory method detection limit (MDL)

Table 4

Remedial System Operation Data 2020

Date	Hourmeter	Total hours since last visit	Totalizer	Total Volume Discharged	GPM	Operational Status
			Gallons	*Gallons*		
1/2/2020	5193.4	0.0	2866502.0	0.0	0.0	System down, Transfer pump failure
1/7/2020	5193.4	0.0	2866502.0	0.0	0.0	System down, Transfer pump failure
1/14/2020	5193.4	0.0	2866502.0	0.0	0.0	System down, Transfer pump failure
1/21/2020	5193.4	0.0	2866502.0	0.0	0.0	System down, Transfer pump failure
1/24/2020	5212.9	19.5	2883194.0	16652.0	13.5	System up, Normal operation
1/28/2020	5309.4	96.5	2960425.0	77231.0	13.3	System up, Normal operation
1/30/2020	5357.0	47.6	2996884.0	36459.0	12.8	System up, Normal operation
2/4/2020	5477.9	120.9	3085362.0	88478.0	12.2	System up, Normal operation
2/6/2020	5524.0	46.1	3118668.0	33306.0	11.8	System up, Normal operation
2/11/2020	5643.2	119.2	3202086.0	83418.0	11.7	System up, Normal operation
2/13/2020	5691.2	48.0	3235687.0	33601.0	11.7	System up, Normal operation
2/18/2020	5814.3	123.1	3319428.0	83741.0	11.3	System up, Normal operation
2/21/2020	5884.8	70.5	3366763.0	47335.0	11.2	System up, Normal operation
2/25/2020	5911.6	26.8	3386753.0	19990.0	12.4	System up, Normal operation
2/27/2020	5960.6	49.0	3421849.0	35096.0	11.9	System up, Normal operation
3/3/2020	6078.8	118.2	3505676.0	83827.0	11.8	System up, Normal operation
3/6/2020	6132.4	53.6	3543477.0	37801.0	11.8	System up, Normal operation
3/10/2020	6230.1	97.7	3611341.0	67864.0	11.6	System up, Normal operation
3/12/2020	6276.5	46.4	3643405.0	32064.0	11.5	System up, Normal operation
3/17/2020	6395.3	118.8	3722483.0	79078.0	11.1	System up, Normal operation
3/19/2020	6442.6	47.3	3753519.0	31036.0	10.9	System up, Normal operation
3/24/2020	6560.0	117.4	3829732.0	76213.0	10.8	System up, Normal operation
3/26/2020	6607.5	47.5	3860048.0	30316.0	10.6	System up, Normal operation
3/31/2020	6638.9	31.4	3885316.0	25268.0	13.4	System up, Normal operation
4/2/2020	6684.1	45.2	3922173.0	36857.0	13.6	System up, Normal operation
4/7/2020	6802.8	118.7	4013482.0	91309.0	12.8	System up, Normal operation
4/9/2020	6849.5	46.7	4046820.0	33338.0	11.9	System up, Normal operation
4/14/2020	6966.4	116.9	4127324.0	80504.0	11.5	System up, Normal operation
4/16/2020	7014.1	47.7	4160100.0	32776.0	11.5	System up, Normal operation
4/21/2020	7130.0	115.9	4239120.0	79020.0	11.4	System up, Normal operation
4/27/2020	7274.4	144.4	4336382.0	97262.0	11.2	System up, Normal operation
4/29/2020	7345.6	71.2	4382786.0	46404.0	10.9	System up, Normal operation
5/5/2020	7466.3	120.7	4459201.0	76415.0	10.6	System up, Normal operation
5/7/2020	7517.8	51.5	4488729.0	29528.0	9.6	System up, Normal operation
5/11/2020	7607.9	90.1	4550600.0	61871.0	11.4	System up, Normal operation
5/14/2020	7679.3	71.4	4597409.0	46809.0	10.9	System up, Normal operation
5/19/2020	7798.7	119.4	4672247.0	74838.0	10.4	System up, Normal operation
5/21/2020	7847.7	49.0	4700249.0	28002.0	9.5	System up, Normal operation
5/26/2020	7964.0	116.3	4782142.0	81893.0	11.7	System up, Normal operation
5/28/2020	8014.8	50.8	4813624.0	31482.0	10.3	System up, Normal operation
5/30/2020	8052.5	37.7	4841152.0	27528.0	12.2	System down - high K/O and high BF alarms
6/2/2020	8118.8	66.3	4896364.0	55212.0	13.9	System up, Normal operation
6/4/2020	8164.8	46.0	4930276.0	33912.0	12.3	System up, Normal operation; generated 3 drums of sludge, pressure washed floors.
6/9/2020	8285.6	120.8	5013763.0	83487.0	11.5	System up, Normal operation
6/11/2020	8312.3	26.7	5029442.0	15679.0	9.8	System down on 6/10 for electrical upgrade/stripper cleaning. Restarted on 6/11
6/16/2020	8427.9	115.6	5109157.0	79715.0	11.5	System up, Normal operation
6/18/2020	8473.8	45.9	5139029.0	29872.0	10.8	AS acid wash. System up, normal operation.
6/23/2020	8591.2	117.4	5211677.0	72648.0	10.3	System up, Normal operation
6/25/2020	8637.6	46.4	5240877.0	29200.0	10.5	System up, Normal operation System samples collected.
6/29/2020	8738.8	101.2	5306139.0	65262.0	10.7	System up, Normal operation
7/1/2020	8785.6	46.8	5336727.0	30588.0	10.9	System up, Normal operation
7/7/2020	8923.5	137.9	5429468.0	92741.0	11.2	System up, Normal operation
7/9/2020	8970.3	46.8	5457611.0	28143.0	10.0	System up, Normal operation
7/14/2020	9025.5	55.2	5492460.0	34849.0	10.5	System up, Normal operation
7/16/2020	9071.0	45.5	5535621.0	43161.0	15.8	System up, Normal operation
7/21/2020	9077.9	6.9	5541759.0	6138.0	14.8	System down on arrival, up on departure
7/23/2020	9124.6	46.7	5581369.0	39610.0	14.1	System down. Software updates
7/28/2020	9128.5	3.9	5586851.0	5482.0	23.4	System was down, new software, system up
7/29/2020	9153.0	24.5	5609725.0	22874.0	15.6	System up, Normal operation
8/4/2020	9291.9	138.9	5729128.0	119403.0	14.3	System up, Normal operation
8/6/2020	9339.9	48.0	5768198.0	39070.0	13.6	System up, Normal operation
8/11/2020	9460.5	120.6	5862722.0	94524.0	13.1	System up, Normal operation
8/13/2020	9510.8	50.3	5900756.0	38034.0	12.6	System up, Normal operation
8/18/2020	9611.6	100.8	5974535.0	73779.0	12.2	System was down on arrival. Up on departure

Table 4

Remedial System Operation Data 2020

Date	Hourmeter	Total hours since last visit	Totalizer	Total Volume Discharged	GPM	Operational Status
			Gallons	*Gallons*		
8/20/2020	9657.4	45.8	6009467.0	34932.0	12.7	System up, Normal operation
8/25/2020	9774.7	117.3	6091052.0	81585.0	11.6	System up, Normal operation
8/28/2020	9829.7	55.0	6129287.0	38235.0	11.6	System was down on arrival. Up on departure
9/1/2020	9919.6	89.9	6192015.0	62728.0	11.6	System up, Normal operation
9/4/2020	9988.7	69.1	6230235.0	38220.0	9.2	System up, Normal operation
9/8/2020	10086.0	97.3	6298793.0	68558.0	11.7	System up, Normal operation
9/11/2020	10156.3	70.3	6345207.0	46414.0	11.0	System up, Normal operation
9/15/2020	10254.2	97.9	6409376.0	64169.0	10.9	System up, Normal operation
9/18/2020	10322.9	68.7	6455409.0	46033.0	11.1	System up, Normal operation
9/22/2020	10414.3	91.4	6515085.0	59676.0	10.9	System up, Normal operation
9/25/2020	10485.0	70.7	6555287.0	40202.0	9.5	System up, Normal operation
9/29/2020	10565.1	80.1	6604445.0	49158.0	14.9	System down on arrival, up on departure
10/2/2020	10634.7	69.6	6647692.0	43247.0	10.4	System up, Normal operation
10/6/2020	10725.9	91.2	6709673.0	61981.0	11.3	System down on arrival, up on departure
10/9/2020	10798.3	72.4	6756198.0	46525.0	10.7	System up, Normal operation
10/13/2020	10892.1	93.8	6817514.0	61316.0	10.9	System up, Normal operation
10/16/2020	10963.3	71.2	6862654.0	45140.0	10.6	System up, Normal operation
10/20/2020	11055.9	92.6	6923282.0	60628.0	10.9	System up, Normal operation
10/23/2020	11131.3	75.4	6973720.0	50438.0	11.1	System up, Normal operation
10/27/2020	11219.9	88.6	7038363.0	64643.0	12.2	System down, Transfer pump failure
10/30/2020	11222.5	2.6	7038363.0	0.0	0	System down, new transfer pump installed, up on departure
11/3/2020	11252.2	29.7	7068160.0	29797.0	16.7	system was down due to High High alarm, restarted, up on departure
11/6/2020	11323.3	71.1	7127807.0	59647.0	14	System up, Normal operation
11/10/2020	11421.8	98.5	7211031	83224.0	14.1	System up, Normal operation
11/13/2020	11492.6	70.8	7267781	56750.0	13.4	System up, Normal operation
11/17/2020	11584.6	92.0	7350086	82305.0	14.9	System up, Normal operation
11/20/2020	11656.7	72.1	7416220	66134.0	15.3	System up, Normal operation
11/23/2020	11731.2	74.5	7479426	63206.0	14.1	System up, Normal operation
11/25/2020	11776.5	45.3	7590094	110668.0	40.7	System up, Normal operation
12/1/2020	11918.3	141.8	7640008	49914.0	5.9	System up, Normal operation
12/4/2020	11938.5	20.2	7656409	16401.0	13.5	Air Stripper rebuild, system was down for 2 days
12/8/2020	12034.7	96.2	7738072	81663.0	14.1	System up, Normal operation
12/11/2020	12106.7	72.0	7797667	59595.0	13.8	System up, Normal operation
12/15/2020	12147.8	41.1	7833707	36040.0	14.6	System down on arrival, up on departure
12/18/2020	12189.1	41.3	7871705	37998.0	15.3	System down on arrival, up on departure
12/22/2020	12284.3	95.2	7954615	82910.0	14.5	System up, Normal operation
12/24/2020	12334.3	50.0	7998134	43519.0	14.5	System up, Normal operation
12/29/2020	12449.9	115.6	8114829	116695.0	16.8	System up, Normal operation
12/31/2020	12501.3	51.4	8167751	52922.0	17.2	System up, Normal operation

GPM = Gallons per minute

Table 5
Monthly Treatment Data
Effluent 2020

Parameter	Units	Measurement Frequency	Effluent Limits (Daily Max.)	1/30/2020	2/27/2020	3/26/2020	4/23/2020	5/21/2020	6/25/2020	7/28/2020	8/20/2020	9/22/2020	10/20/2020	11/17/2020	12/8/2020
VOCs	ug/L	Monthly	10	**15.30**	**75.90**	5.9J	**27.00**	**60.00**	**203.00**	**88.00**	**93.00**	**138.30**	**140.00**	**155.00**	**45.00**
Oil & Grease	mg/L	Monthly	15	3.80	4.7 J	ND	ND	3.1 J	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	Monthly	2,700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	Monthly	2,000	**2,200.00**	**2,300.00**	**2,300.00**	1,400.00	**3,900.00**	1,900.00	**4,600.00**	1,800.00	1,800.00	**2,600.00**	**2,200.00**	1,800.00
Zinc	ug/L	Monthly	400	ND	27.00	28.00	9.30	11.00	25.00	39.00	8.60	5.60	7.90	32.00	38.00

Notes:

mg/L = milligrams per litre

ug/L = micrograms per liter

NYSDEC TOGS 1.1.1 GWQS = New York State Department of Environmental Conservation Technical and Operational Guidance Series 1.1.1 June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater

Bold values exceed the Effluent Limits.

ND <# = Indicates compound was analyzed for, but not detected at or above the indicated reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

Table 6
System VOC Summary
2020

Sample Date	Concentration (ug/L)				
	TCE	cis-1,2-DCE	Vinyl Chloride	Acetone	Total TCL List VOCs
Influent					
1/30/2020	3,400.0	3,600.0	190.0	ND<400	7,190.0
2/27/2020	3,600.0	3,300.0	220.0	ND<40	7,120.0
3/26/2020	2,800.0	3,400.0	150.0	ND<400	6,350.0
4/23/2020	3,900.0	3,500.0	210.0	ND<400	7,610.0
5/21/2020	5,100.0	4,100.0	290.0	ND<400	9,490.0
6/25/2020	4,900.0	3,800.0	300.0	490.0	9,000.0
7/28/2020	4,000.0	2,500.0	170.0	ND<400	6,670.0
8/20/2020	3,900.0	3,300.0	180.0	NS	7,380.0
9/22/2020	4,200.0	3,900.0	190.0	NS	8,290.0
10/20/2020	4,400.0	3,900.0	190.0	ND<40	8,490.0
11/17/2020	4,500.0	3,500.0	150.0	NS	8,150.0
12/8/2020	5,400.0	3,900.0	190.0	ND<40	9,490.0
Effluent					
1/30/2020	4.3	11.0	ND<1	ND<10	15.3
2/27/2020	25.0	49.0	ND<1	ND<10	74.0
3/26/2020	1.6	4.3	ND<1	ND<10	5.9
4/23/2020	19.0	27.0	ND<4	ND<40	46.0
5/21/2020	26.0	34.0	ND<4	ND<40	60.0
6/25/2020	35.0	48.0	ND<4	120.0	83.0
7/28/2020	43.0	45.0	ND<4	ND<40	88.0
8/20/2020	39.0	54.0	ND<4	ND<40	93.0
9/22/2020	60.0	72.0	ND<4	6.3 J	132.0
10/20/2020	61.0	79.0	NS	NS	140.0
11/17/2020	71.0	84.0	NS	NS	155.0
12/8/2020	18.0	27.0	ND<4	ND<40	45.0

Notes:

mg/L = milligrams per liter

ug/L = micrograms per liter

ND <# = Indicates compound was analyzed for, but not detected at or above the indicated reporting limit.

J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

TCE = Trichloroethene

cis-1,2-DCE = cis-1,2-Dichloroethene

TCL VOCs = Target Compound List Volatile Organic Compounds

Appendix A – Groundwater Sampling Logs

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	3.72
Date:	4/1/2020	**Depth to Bottom of Well (ft, TOC)**	20.02
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	16.30
Well ID:	MW-1	**Volume of Water in Well (gal)**	2.88

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
8:30	3.72	7.1	8.29	0.527	71.7	3.04	44.4
8:35	4.4	7.1	7.96	0.522	65.9	2.03	20.86
8:45	4.22	7.4	7.77	0.519	59.6	1.51	5.37
8:50	4.18	7.4	7.69	0.515	61.2	0.97	0.5
8:55	4.2	7.4	7.69	0.515	62.7	0.87	-0.72
9:00	4.22	7.4	7.69	0.515	61.9	0.85	-0.55
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	8:30	Notes:	9:00	Sample Time 4.5	gal purged
Purge End Time:	9:00				
Weather:	Sunny 40				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	9.03
Date:	4/1/2020	**Depth to Bottom of Well (ft, TOC)**	15.32
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	6.29
Well ID:	MW-2	**Volume of Water in Well (gal)**	1.47

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
9:30	9.03	9.2	6.65	1.732	-111.17	0.56	85.26
9:40	9.15	9.1	6.64	1.38	-113.3	0.5	35.04
9:50	9.22	9	6.60	1.11	-117.7	0.41	40.47
10:00	9.22	9	6.60	1.106	-120	0.4	60.5
10:10	9.20	9.1	6.60	1.085	-121.3	0.39	78.12
10:20	9.23	9	6.60	1.053	-123	0.4	128.87
10:30	9.23	9	6.60	1.033	-124.1	0.35	149.37
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	9:30	Notes:	10:30	Sample Time 4.5	gal purged
Purge End Time:	10:30				
Weather:	40 Sunny				
Purge/Sampled by:	J.H.				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	9.95
Date:	4/1/2020	**Depth to Bottom of Well (ft, TOC)**	23.00
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	13.05
Well ID:	MW-3	**Volume of Water in Well (gal)**	2.13

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
10:50	4.95	8.80	7.65	0.568	-61.9	1.02	11.42
11:00	15.53	10.30	7.55	0.566	-50.9	0.88	68.72
11:10	18.30	9.90	7.44	0.565	-23.4	0.48	21.24
11:20	21.53	10.20	7.53	0.568	-16.2	0.59	1.11
11:30	21.03	10.40	7.58	0.566	-5.4	1.22	2.38
11:40	21.33	10.50	7.60	0.55	5.1	1.84	24.76
11:50	21.40	10.50	7.60	0.554	8.3	1.79	11.76
12:00	21.35	10.50	7.60	0.555	10.3	2.14	11.43
12:10	21.53	10.40	7.57	0.562	-25.6	1.4	
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	10:50	Notes:	12:10	Sample Time 6.5	gal purged
Purge End Time:	12:10				
Weather:	45 Sunny				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	7.83
Date:	4/1/2020	**Depth to Bottom of Well (ft, TOC)**	42.16
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	34.33
Well ID:	MW-4D	**Volume of Water in Well (gal)**	5.66

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
12:30	7.83	10.20	8.37	0.04	2.5	7.3	27.5
12:40	10.18	11.00	7.63	0.039	56.3	7	52.1
12:50	10.05	11.40	7.30	0.039	75.9	7.28	119.7
13:00	9.36	11.40	7.20	0.39	79.3	7.07	154.11
13:10	9.21	11.30	7.08	0.41	86.3	7.08	218
13:20	9.24	11.30	7.00	0.048	96.9	6.63	280
13:30	9.25	11.20	6.96	0.058	94.8	6.9	353.57
13:40	9.30	11.10	6.93	0.078	97.7	6.76	355.37
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	12:30	Notes:	13:40	Sample Time 6.5	gal purged
Purge End Time:	13:40				
Weather:	55 Sunny				
Purge/Sampled by:	JH0				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	2.92
Date:	4/1/2020	**Depth to Bottom of Well (ft, TOC)**	20.48
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	17.56
Well ID:	MW-4	**Volume of Water in Well (gal)**	2.87

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
13:45	2.92	10.00	7.35	0.753	-90.2	0.8	10.25
13:50	3.84	10.00	7.42	0.728	-87.4	0.35	12.52
13:55	3.33	10.00	7.46	0.721	-77.5	0.3	7.86
14:00	3.87	10.00	7.48	0.705	-69.4	0.29	14.04
14:10	3.90	10.00	7.49	0.685	-68.4	0.27	45.26
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	13:45	Notes:	14:10	Sample Time 5	gal purged
Purge End Time:	14:10				
Weather:	55 Sun				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	6.54
Date:	4/1/2020	**Depth to Bottom of Well (ft, TOC)**	20.83
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	14.29
Well ID:	MW-5	**Volume of Water in Well (gal)**	2.33

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
14:45	6.54	9.60	7.74	0.601	25.9	1.36	26.96
14:55	6.71	9.40	7.53	0.602	26.7	1.1	121.8
15:00	6.72	9.40	7.47	0.602	29.2	0.95	116.04
15:05	6.72	9.40	7.44	0.602	31.3	0.87	98.12
15:15	6.70	9.40	7.42	0.602	32.9	0.89	73.3
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	14:45	Notes:	15:15	Sample Time 5	gal purged
Purge End Time:	15:15		Dup-A collected		
Weather:	55 Sunny				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	7.02
Date:	4/1/2020	**Depth to Bottom of Well (ft, TOC)**	40.70
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	33.68
Well ID:	MW-5D	**Volume of Water in Well (gal)**	5.50

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
15:25	7.02	11.00	7.58	0.791	74	7	0.43
15:35	6.34	10.60	7.58	0.793	77.7	7.37	66.73
15:40	6.25	10.40	7.60	0.797	78.7	6.31	6.44
15:50	6.22	10.40	7.58	0.809	81.1	6.71	7.74
15:55	6.03	10.30	7.53	0.819	84.4	6.87	48.13
16:00	5.95	10.30	7.51	0.821	87.1	6.65	14.47
16:05	5.85	10.20	7.50	0.821	88.5	7.02	13.67
16:15	5.82	10.20	7.48	0.829	89.4	7.04	17.6
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	15:25	Notes:	16:15	Sample Time 5	gal purged
Purge End Time:	16:15				
Weather:	55 Sunny				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	6.04
Date:	4/2/2020	**Depth to Bottom of Well (ft, TOC)**	15.00
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	8.96
Well ID:	MW-6	**Volume of Water in Well (gal)**	1.46

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
8:20	6.04	8.20	7.30	0.707	-68.9	0.83	26.35
8:30	6.71	8.20	6.99	0.703	-66	0.53	23.03
8:40	6.75	8.10	6.95	0.701	-66.1	0.49	21.79
8:45	6.84	8.00	6.92	0.705	-66.9	0.45	-1.84
8:50	6.82	8.00	6.92	0.706	-67.3	0.4	-2.95
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	8:20	Notes:	8:50	Sample Time 4.5	gal purged
Purge End Time:	8:50				
Weather:	40 Sunny				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	6.86
Date:	4/2/2020	**Depth to Bottom of Well (ft, TOC)**	22.65
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	15.79
Well ID:	MW-7	**Volume of Water in Well (gal)**	1.46

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
9:20	6.86	11.60	7.68	0.699	25.2	0.82	1614.34
9:30	8.55	11.60	7.48	0.695	29.8	0.88	709.84
9:35	9.56	11.70	7.46	0.692	29.5	0.37	209.14
9:40	7.57	11.70	7.45	0.694	29.1	0.37	192.64
9:45	7.60	11.70	7.44	0.696	27.5	0.35	446.57
9:50	7.57	11.70	7.44	0.697	24.7	0.34	519.37
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	9:20	Notes:	9:50	Sample Time 5	gal purged
Purge End Time:	9:50				
Weather:	40 sunny				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	3.54
Date:	4/2/2020	**Depth to Bottom of Well (ft, TOC)**	19.40
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	15.86
Well ID:	MW-8	**Volume of Water in Well (gal)**	2.59

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
12:30	3.54	8.30	7.97	0.497	64.2	0.78	75.86
12:40	3.57	7.80	7.72	0.501	56.2	0.5	11.01
12:50	3.58	7.70	7.55	0.529	47.2	0.39	5.61
13:00	3.58	7.70	7.45	0.552	42.9	0.34	1.79
13:10	3.59	7.60	7.38	0.568	42.4	0.32	0.64
13:15	3.58	7.70	7.37	0.569	42.1	0.31	-0.37
13:20	3.39	7.60	7.37	0.571	42.2	0.31	-0.6
13:25	3.39	7.60	7.37	0.572	42.4	0.31	-0.21
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	12:30	Notes:	13:20	Sample Time 7.5	gal purged
Purge End Time:	13:25				
Weather:	45 sunny				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	5.11
Date:	4/2/2020	**Depth to Bottom of Well (ft, TOC)**	22.02
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	16.91
Well ID:	MW-9R	**Volume of Water in Well (gal)**	2.76

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
14:55	5.11	11.80	7.72	1.393	-121.9	1.24	143.7
15:05	6.47	11.20	7.32	0.673	-56.7	0.36	140.91
15:15	6.53	11.20	7.15	0.73	-50.5	0.39	49.44
15:25	6.53	11.20	7.09	0.809	-53	0.28	14.13
15:30	6.55	11.20	7.05	0.88	-58.5	0.33	69.69
15:35	6.61	11.20	7.03	0.96	-63	0.24	101.22
15:40	6.60	11.10	7.02	0.915	-62.4	0.31	262.57
15:45	6.61	11.10	6.99	1.009	-64	0.22	131.48
15:50	6.60	11.20	7.02	1.069	-68.8	0.22	214.32
15:55	6.58	11.20	7.03	1.09	-70	0.31	332.09
16:00	6.62	11.20	7.03	1.085	-70.8	0.21	11.26
16:05	6.62	11.20	7.02	1.099	-70.2	0.21	61.06
16:10	6.63	11.20	7.03	1.098	-70.4	0.29	31.84
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	14:55	Notes:	16:10 Sample Time 8 gal purged
Purge End Time:	16:10		
Weather:	45 Sunny		
Purge/Sampled by:	JH		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	4.64
Date:	4/2/2002	**Depth to Bottom of Well (ft, TOC)**	21.80
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	16.16
Well ID:	MW-10	**Volume of Water in Well (gal)**	2.80

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
13:55	4.64	10.30	8.04	0.363	-171.8	1.93	10.55
14:05	6.86	10.80	8.01	0.363	-182.2	1.33	5.03
14:10	6.87	10.90	7.98	0.364	-181.5	3.33	16.35
14:20	6.75	10.90	7.95	0.363	-184.3	0.35	10.55
14:30	6.75	10.90	7.93	0.362	-182.4	0.3	137.32
14:35	6.76	10.90	7.92	0.362	-182.8	0.31	46.42
14:40	6.75	11.00	7.91	0.361	-182.6	0.34	12.8
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	13:55	Notes:	14:40	Sample Time 7.5	gal purged
Purge End Time:	14:40				
Weather:	45 Sunny				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	4.70
Date:	4/3/2020	**Depth to Bottom of Well (ft, TOC)**	14.93
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	10.23
Well ID:	MW-11R	**Volume of Water in Well (gal)**	1.67

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
8:15	4.70	9.30	8.23	0.633	-96	2.04	353.91
8:25	5.98	9.30	7.58	0.627	-79.8	0.88	165.66
8:30	6.07	8.90	7.36	0.616	-46	0.76	72.47
8:35	6.14	8.90	7.27	0.623	-29.1	0.63	148.42
8:40	6.13	9.00	7.22	0.624	-20.6	0.53	185.55
8:45	6.13	9.00	7.19	0.624	-21.9	0.49	233.01
8:50	6.13	8.90	7.17	0.624	-25.2	0.47	282.47
8:55	6.13	8.90	7.17	0.624	-12.8	0.46	282.18
9:00	6.10	8.90	7.16	0.624	-10	0.46	294.16
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	8:15	Notes:	9:00	Sample Time 5	gal purged
Purge End Time:	9:00				
Weather:	40 Sunny				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	0.00
Date:	4/2/2020	**Depth to Bottom of Well (ft, TOC)**	15.00
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	15.00
Well ID:	MW-12	**Volume of Water in Well (gal)**	2.45

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
10:15	-	8.00	7.70	0.931	70.8	0.91	3.98
10:20	2.29	8.10	7.53	0.933	66.7	0.5	11.81
10:30	2.83	8.40	7.51	0.876	60.8	1.7	1.93
10:40	2.89	9.50	7.65	0.907	60.8	3.55	0.39
10:50	3.15	8.30	7.52	0.902	54.8	0.35	-3
11:00	3.83	8.40	7.51	0.898	47.7	0.29	-3.87
11:10	4.04	8.30	7.51	0.896	38.7	0.25	-4.3
11:20	4.19	8.40	7.52	0.893	35.8	2.5	-4.18
11:30	4.29	8.40	7.52	0.893	34	0.24	-4.14
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	10:15	Notes:	11:30	Sample Time 7.5	gal purged
Purge End Time:	11:30				
Weather:	45 sun				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	3.24
Date:	4/3/2020	**Depth to Bottom of Well (ft, TOC)**	18.48
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	15.24
Well ID:	MW-13	**Volume of Water in Well (gal)**	2.49

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
9:20	3.24	9.10	8.05	0.687	-218.3	0.46	363.9
9:30	6.37	8.90	7.75	0.687	-166.5	0.31	64.65
9:40	7.75	8.90	7.68	0.697	-161	0.33	19.53
9:50	8.34	9.00	7.59	0.704	-136.1	0.33	16.68
10:00	8.78	9.10	7.51	0.713	-114	0.31	11.64
10:05	8.85	9.20	7.48	0.713	-106.9	0.3	20.24
10:15	8.87	9.20	7.44	0.717	-101.2	0.3	31.8
10:20	8.87	9.20	7.44	0.713	-97.7	0.27	44.81
10:25	8.86	9.20	7.42	0.716	-95.7	0.31	62.01
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	9:20	Notes:	10:30	Sample Time 7.5	gal purged
Purge End Time:	10:25				
Weather:	40 sunny				
Purge/Sampled by:	JH				

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	7.41
Date:	4/3/2020	**Depth to Bottom of Well (ft, TOC)**	20.82
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	13.41
Well ID:	MW-14	**Volume of Water in Well (gal)**	2.19

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
10:40	7.41	8.80	7.73	0.707	160.3	0.49	90.45
10:50	8.63	8.60	7.65	0.705	-164.4	0.29	762.43
10:55	8.93	8.70	7.58	0.69	-138.3	0.34	23.71
11:00	9.00	8.80	7.51	0.687	-136.6	0.26	13.5
11:05	9.01	8.80	7.56	0.685	-135.4	0.24	15.7
11:10	9.05	8.80	7.55	0.682	-135.5	0.23	20.01
11:15	9.13	8.80	7.53	0.677	-132.5	0.22	14.91
11:20	9.13	8.80	7.53	0.678	-130.9	0.22	11.26
11:25	9.13	8.80	7.51	0.675	-129.3	0.21	15.47
11:30	9.13	8.90	7.50	0.675	-128	0.21	24.91
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	10:40	Notes:	11:30 Sample Time 6.5 gal purged
Purge End Time:	11:30		
Weather:	45 sunny		
Purge/Sampled by:	JH		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	4.41
Date:	11/30/2020	**Depth to Bottom of Well (ft, TOC)**	14.95
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	10.54
Well ID:	MW-11R	**Volume of Water in Well (gal)**	1.72

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
11:10	4.41	10.70	8.18	0.072	64.3	10.13	52.17
11:15	4.91	10.90	7.97	0.071	73.3	10.13	56.12
11:20	5.12	11.20	7.76	0.098	89.6	9.89	69.21
11:25	5.12	11.60	7.61	0.18	98.1	8.75	78.21
11:30	5.12	12.20	7.36	0.326	113.1	6.96	86.02
11:35	5.12	12.20	7.25	0.395	119.1	5.52	87.91
11:40	5.12	12.10	7.22	0.4	123.6	5.01	89.16
11:45	5.12	12.40	7.21	0.406	126.1	4.69	89.25
11:50	5.12	12.70	7.18	0.431	131.2	3.52	93.93
11:55	5.12	12.70	7.18	0.434	131.8	3.47	94.1
12:00	5.12	12.70	7.18	0.431	131.2	3.41	95.12
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <1NTU

Purge Start Time:	11:10	Notes:	12:05 Sample Time 4.5 gal purged
Purge End Time:	12:00		
Weather:	40 Rain		
Purge/Sampled by	PC		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	4.32
Date:	11/30/2020	**Depth to Bottom of Well (ft, TOC)**	20.50
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	16.18
Well ID:	MW-4	**Volume of Water in Well (gal)**	2.64

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
12:25	4.32	13.60	7.59	0.514	121.1	3.42	8.4
12:30	4.42	14.00	7.57	0.527	120.5	0.36	3.62
12:40	4.42	14.30	7.63	0.502	113.4	0.18	2.21
12:45	4.42	14.30	7.63	0.508	111.9	0.12	3.14
12:50	4.42	14.50	7.63	0.501	111	0.11	2.14
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <1NTU

Purge Start Time:	12:25	Notes:	13:00 Sample Time 2.5 gal purged
Purge End Time:	12:50		
Weather:	40 rain		
Purge/Sampled by	PC		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	10.17
Date:	12/1/2020	**Depth to Bottom of Well (ft, TOC)**	15.25
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	5.08
Well ID:	MW-2	**Volume of Water in Well (gal)**	0.83

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
11:15	10.17	12.90	6.60	1.977	-23.9	2.9	9.91
11:20	10.25	13.00	6.52	1.765	-28	2.7	6.71
11:25	10.33	13.00	6.56	0.933	-78.6	0.15	11.7
11:30	10.55	13.00	6.52	0.92	-83.2	0.14	12.72
11:35	10.55	13.00	6.52	0.921	-82.1	0.15	11.91
11:40	10.55	13.00	6.52	0.922	-81.7	0.14	11.72
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <1NTU

Purge Start Time:	11:15	Notes:	11:40 Sample Time 2.5 gal purged
Purge End Time:	11:40		
Weather:	30 Sunny		
Purge/Sampled by	PC		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	5.92
Date:	12/1/2020	**Depth to Bottom of Well (ft, TOC)**	22.20
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	16.28
Well ID:	MW-9R	**Volume of Water in Well (gal)**	2.66

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
11:50	6.27	10.30	8.26	0.102	-96.7	8.84	125.12
11:55	6.32	11.00	7.95	0.1	-3	8.71	40.89
12:00	6.32	11.10	7.96	0.098	11.2	8.69	37.02
12:05	6.32	11.20	7.96	0.101	22	8.29	37.96
12:10	6.32	11.40	7.97	0.098	29.8	8.16	40.92
12:15	6.32	11.50	7.80	0.0143	46.6	7.11	46.2
12:20	6.32	11.50	7.68	0.19	51.9	6.4	49.87
12:25	6.32	11.50	7.58	0.253	49.5	6.25	53.88
12:30	6.32	11.60	7.46	0.342	40	5.68	63.02
12:35	6.32	11.50	7.43	0.361	10.1	5.72	82.72
12:40	6.32	11.50	7.43	0.371	10.2	5.62	81.42
12:45	6.32	11.50	7.42	0.372	11.1	5.63	87.12
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <1NTU

Purge Start Time:	11:50	Notes:	12:45 Sample Time 3 gal purged
Purge End Time:	12:45		
Weather:	30 Snow		
Purge/Sampled by	PC		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	4.23
Date:	12/1/2020	**Depth to Bottom of Well (ft, TOC)**	18.50
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	14.27
Well ID:	MW-13	**Volume of Water in Well (gal)**	2.33

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
10:25	4.92	13.20	8.12	0.421	-152.7	4.72	121.7
10:30	5.17	13.30	7.91	0.487	-168.1	3.65	110.2
10:35	6.11	13.10	7.85	0.521	-172.5	2.19	13.7
10:40	6.12	13.10	7.72	0.582	-162.1	1.72	11.1
10:45	6.12	13.10	7.68	0.589	-149.7	0.92	5.91
10:50	6.12	13.10	7.61	0.586	-143.2	0.09	4.27
10:55	6.12	13.20	7.61	0.587	-142.1	0.08	4.18
11:00	6.12	13.20	7.62	0.586	-142.1	0.09	4.29
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <1NTU

Purge Start Time:	10:25	Notes:	11:00 Sample Time 3 gal purged
Purge End Time:	11:00		
Weather:	30 sunny		
Purge/Sampled by	P. Colern		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	6.41
Date:	12/1/2020	**Depth to Bottom of Well (ft, TOC)**	20.65
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	14.24
Well ID:	MW-14	**Volume of Water in Well (gal)**	2.32

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
9:30	6.41	13.40	8.15	0.182	65.1	11.17	1127
9:35	6.45	10.40	8.12	0.175	92.8	10.37	1157
9:40	6.45	10.40	7.91	0.149	41.7	9.18	9.52
9:45	6.45	10.70	7.87	0.157	82.1	8.78	8.71
9:50	6.45	10.70	7.41	0.321	122.1	7.41	7.42
9:55	6.45	10.90	7.27	0.431	151.7	4.17	6.55
10:00	6.45	10.70	7.15	0.421	151.9	3.12	5.89
10:05	6.45	10.70	7.15	0.427	-131.1	3.12	3.42
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <1NTU

Purge Start Time:	9:30	Notes:	10:10 Sample Time 3 gal purged
Purge End Time:	10:05		
Weather:	30 snow		
Purge/Sampled by	P.Colern		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Frewsburg	**Well Diameter (ID):**	2"
Project #:	0901685	**Initial Depth to Water (ft, TOC)**	10.75
Date:	11/30/2020	**Depth to Bottom of Well (ft, TOC)**	23.12
Sampling Device:	Peristaltic Pump	**Feet of Water in Well (ft)**	12.37
Well ID:	MW-3	**Volume of Water in Well (gal)**	2.20

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (ºC)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
13:15	10.73	15.10	7.38	0.552	123.3	0.65	16.72
13:20	13.00	15.00	7.30	0.552	122.3	0.6	55.7
13:25	14.17	15.00	7.29	0.551	98.7	0.56	25.3
13:30	15.21	14.80	7.29	0.549	95.6	0.66	23.05
13:35	16.10	14.80	7.29	0.549	97.1	0.64	19.08
13:40	16.10	14.70	7.29	0.537	73.5	0.57	39.23
13:45	16.10	14.70	7.29	0.536	72.6	0.58	44.06
13:50	16.10	14.70	7.29	0.536	72.5	0.59	42.17
13:55	16.10	14.70	7.28	0.537	72.6	0.59	41.17
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <1NTU

Purge Start Time:	13:15	Notes:	14:00 Sample Time 3 gal purged
Purge End Time:	13:55		
Weather:	40 rain		
Purge/Sampled by	P.Colern		

Appendix B – Laboratory Analytical Records

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 480-168167-1
Client Project/Site: Frewsburg Site #907016

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Mr. Maurice Moore

Joseph V. Giacomazza

Authorized for release by:
4/13/2020 3:47:22 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

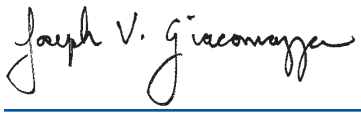
Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
4/13/2020 3:47:22 PM

Table of Contents

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-168167-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-168167-1

Comments
No additional comments.

Receipt
The samples were received on 4/3/2020 2:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-3 (480-168167-3), MW-3 (480-168167-3[MS]) and MW-3 (480-168167-3[MSD]). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-9R (480-168167-11), MW-12 (480-168167-14), MW-13 (480-168167-15), MW-14 (480-168167-16), (480-168167-A-14 MS) and (480-168167-A-14 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatile sample was diluted due to foaming at the time of purging during the original sample analysis: MW-6 (480-168167-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-524795 recovered above the upper control limit for Vinyl chloride and Trichlorofluoromethane. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MW-11R (480-168167-13).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-11R (480-168167-13). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with batch 480-524779 .The following sample is impacted: MW-2 (480-168167-2).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2 (480-168167-2), (480-168167-B-2 MS) and (480-168167-B-2 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-525015 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: DUP-A (480-168167-17) and (480-168322-A-3).

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

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-1 — Lab Sample ID: 480-168167-1

No Detections.

Client Sample ID: MW-2 — Lab Sample ID: 480-168167-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	33000	F1	500	410	ug/L	500		8260C	Total/NA
Vinyl chloride	33000	F1	500	450	ug/L	500		8260C	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 480-168167-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	230		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	790		20	9.2	ug/L	20		8260C	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 480-168167-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	430	J	500	410	ug/L	500		8260C	Total/NA
Trichloroethene	14000		500	230	ug/L	500		8260C	Total/NA

Client Sample ID: MW-4D — Lab Sample ID: 480-168167-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.2		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 480-168167-6

No Detections.

Client Sample ID: MW-5D — Lab Sample ID: 480-168167-7

No Detections.

Client Sample ID: MW-6 — Lab Sample ID: 480-168167-8

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 480-168167-9

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 480-168167-10

No Detections.

Client Sample ID: MW-9R — Lab Sample ID: 480-168167-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2900		100	81	ug/L	100		8260C	Total/NA
Trichloroethene	2800		100	46	ug/L	100		8260C	Total/NA
Vinyl chloride	260		100	90	ug/L	100		8260C	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 480-168167-12

No Detections.

Client Sample ID: MW-11R — Lab Sample ID: 480-168167-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	230		20	16	ug/L	20		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-11R (Continued)
Lab Sample ID: 480-168167-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	11	J	20	8.8	ug/L	20		8260C	Total/NA
Trichloroethene	1200		20	9.2	ug/L	20		8260C	Total/NA

Client Sample ID: MW-12
Lab Sample ID: 480-168167-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	100		100	81	ug/L	100		8260C	Total/NA
Trichloroethene	4900	F1	100	46	ug/L	100		8260C	Total/NA

Client Sample ID: MW-13
Lab Sample ID: 480-168167-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	580		80	65	ug/L	80		8260C	Total/NA
Methylene Chloride	50	J	80	35	ug/L	80		8260C	Total/NA
Trichloroethene	2400		80	37	ug/L	80		8260C	Total/NA

Client Sample ID: MW-14
Lab Sample ID: 480-168167-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	860		100	81	ug/L	100		8260C	Total/NA
Methylene Chloride	55	J	100	44	ug/L	100		8260C	Total/NA
Trichloroethene	2800		100	46	ug/L	100		8260C	Total/NA

Client Sample ID: DUP-A
Lab Sample ID: 480-168167-17

No Detections.

Client Sample ID: TRP BLANK
Lab Sample ID: 480-168167-18

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-1
Lab Sample ID: 480-168167-1
Date Collected: 04/01/20 09:00
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/20 15:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/20 15:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/20 15:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/20 15:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/20 15:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/20 15:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/20 15:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/20 15:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/20 15:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/20 15:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/20 15:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/20 15:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/20 15:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/20 15:25	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/20 15:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/20 15:25	1
Acetone	ND		10	3.0	ug/L			04/07/20 15:25	1
Benzene	ND		1.0	0.41	ug/L			04/07/20 15:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/20 15:25	1
Bromoform	ND		1.0	0.26	ug/L			04/07/20 15:25	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/20 15:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/20 15:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/20 15:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/20 15:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/20 15:25	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/20 15:25	1
Chloroform	ND		1.0	0.34	ug/L			04/07/20 15:25	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/20 15:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/20 15:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/20 15:25	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/20 15:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/20 15:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/20 15:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/20 15:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/20 15:25	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/20 15:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/20 15:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/20 15:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/20 15:25	1
Styrene	ND		1.0	0.73	ug/L			04/07/20 15:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/20 15:25	1
Toluene	ND		1.0	0.51	ug/L			04/07/20 15:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/20 15:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/20 15:25	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/20 15:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/20 15:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/20 15:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/20 15:25	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-1
Lab Sample ID: 480-168167-1
Date Collected: 04/01/20 09:00
Matrix: Water
Date Received: 04/03/20 14:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		04/07/20 15:25	1
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		04/07/20 15:25	1
4-Bromofluorobenzene (Surr)	101		73 - 120		04/07/20 15:25	1
Dibromofluoromethane (Surr)	104		75 - 123		04/07/20 15:25	1

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-2
Date Collected: 04/01/20 10:30
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-2
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		500	410	ug/L			04/08/20 09:34	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			04/08/20 09:34	500
1,1,2-Trichloroethane	ND		500	120	ug/L			04/08/20 09:34	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160	ug/L			04/08/20 09:34	500
1,1-Dichloroethane	ND		500	190	ug/L			04/08/20 09:34	500
1,1-Dichloroethene	ND		500	150	ug/L			04/08/20 09:34	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			04/08/20 09:34	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			04/08/20 09:34	500
1,2-Dichlorobenzene	ND		500	400	ug/L			04/08/20 09:34	500
1,2-Dichloroethane	ND		500	110	ug/L			04/08/20 09:34	500
1,2-Dichloropropane	ND		500	360	ug/L			04/08/20 09:34	500
1,3-Dichlorobenzene	ND		500	390	ug/L			04/08/20 09:34	500
1,4-Dichlorobenzene	ND		500	420	ug/L			04/08/20 09:34	500
2-Butanone (MEK)	ND	*	5000	660	ug/L			04/08/20 09:34	500
2-Hexanone	ND		2500	620	ug/L			04/08/20 09:34	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			04/08/20 09:34	500
Acetone	ND		5000	1500	ug/L			04/08/20 09:34	500
Benzene	ND		500	210	ug/L			04/08/20 09:34	500
Bromodichloromethane	ND		500	200	ug/L			04/08/20 09:34	500
Bromoform	ND		500	130	ug/L			04/08/20 09:34	500
Bromomethane	ND		500	350	ug/L			04/08/20 09:34	500
Carbon disulfide	ND		500	95	ug/L			04/08/20 09:34	500
Carbon tetrachloride	ND		500	140	ug/L			04/08/20 09:34	500
Chlorobenzene	ND		500	380	ug/L			04/08/20 09:34	500
Dibromochloromethane	ND		500	160	ug/L			04/08/20 09:34	500
Chloroethane	ND		500	160	ug/L			04/08/20 09:34	500
Chloroform	ND		500	170	ug/L			04/08/20 09:34	500
Chloromethane	ND		500	180	ug/L			04/08/20 09:34	500
cis-1,2-Dichloroethene	**33000**	**F1**	500	410	ug/L			04/08/20 09:34	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			04/08/20 09:34	500
Cyclohexane	ND		500	90	ug/L			04/08/20 09:34	500
Dichlorodifluoromethane	ND		500	340	ug/L			04/08/20 09:34	500
Ethylbenzene	ND		500	370	ug/L			04/08/20 09:34	500
1,2-Dibromoethane	ND		500	370	ug/L			04/08/20 09:34	500
Isopropylbenzene	ND		500	400	ug/L			04/08/20 09:34	500
Methyl acetate	ND		1300	650	ug/L			04/08/20 09:34	500
Methyl tert-butyl ether	ND		500	80	ug/L			04/08/20 09:34	500
Methylcyclohexane	ND		500	80	ug/L			04/08/20 09:34	500
Methylene Chloride	ND		500	220	ug/L			04/08/20 09:34	500
Styrene	ND		500	370	ug/L			04/08/20 09:34	500
Tetrachloroethene	ND		500	180	ug/L			04/08/20 09:34	500
Toluene	ND		500	260	ug/L			04/08/20 09:34	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			04/08/20 09:34	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			04/08/20 09:34	500
Trichloroethene	ND		500	230	ug/L			04/08/20 09:34	500
Trichlorofluoromethane	ND		500	440	ug/L			04/08/20 09:34	500
Vinyl chloride	**33000**	**F1**	500	450	ug/L			04/08/20 09:34	500
Xylenes, Total	ND		1000	330	ug/L			04/08/20 09:34	500

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-2
Date Collected: 04/01/20 10:30
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		04/08/20 09:34	500
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		04/08/20 09:34	500
4-Bromofluorobenzene (Surr)	106		73 - 120		04/08/20 09:34	500
Dibromofluoromethane (Surr)	107		75 - 123		04/08/20 09:34	500

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-3
Date Collected: 04/01/20 12:10
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-3
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		20	16	ug/L			04/07/20 16:13	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/07/20 16:13	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/07/20 16:13	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/07/20 16:13	20
1,1-Dichloroethane	ND		20	7.6	ug/L			04/07/20 16:13	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/07/20 16:13	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/07/20 16:13	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/07/20 16:13	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/07/20 16:13	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/07/20 16:13	20
1,2-Dichloropropane	ND		20	14	ug/L			04/07/20 16:13	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/07/20 16:13	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/07/20 16:13	20
2-Butanone (MEK)	ND		200	26	ug/L			04/07/20 16:13	20
2-Hexanone	ND		100	25	ug/L			04/07/20 16:13	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/07/20 16:13	20
Acetone	ND		200	60	ug/L			04/07/20 16:13	20
Benzene	ND		20	8.2	ug/L			04/07/20 16:13	20
Bromodichloromethane	ND		20	7.8	ug/L			04/07/20 16:13	20
Bromoform	ND		20	5.2	ug/L			04/07/20 16:13	20
Bromomethane	ND		20	14	ug/L			04/07/20 16:13	20
Carbon disulfide	ND		20	3.8	ug/L			04/07/20 16:13	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/07/20 16:13	20
Chlorobenzene	ND		20	15	ug/L			04/07/20 16:13	20
Dibromochloromethane	ND		20	6.4	ug/L			04/07/20 16:13	20
Chloroethane	ND		20	6.4	ug/L			04/07/20 16:13	20
Chloroform	ND		20	6.8	ug/L			04/07/20 16:13	20
Chloromethane	ND		20	7.0	ug/L			04/07/20 16:13	20
cis-1,2-Dichloroethene	**230**		20	16	ug/L			04/07/20 16:13	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/07/20 16:13	20
Cyclohexane	ND		20	3.6	ug/L			04/07/20 16:13	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/07/20 16:13	20
Ethylbenzene	ND		20	15	ug/L			04/07/20 16:13	20
1,2-Dibromoethane	ND		20	15	ug/L			04/07/20 16:13	20
Isopropylbenzene	ND		20	16	ug/L			04/07/20 16:13	20
Methyl acetate	ND		50	26	ug/L			04/07/20 16:13	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/07/20 16:13	20
Methylcyclohexane	ND		20	3.2	ug/L			04/07/20 16:13	20
Methylene Chloride	ND		20	8.8	ug/L			04/07/20 16:13	20
Styrene	ND		20	15	ug/L			04/07/20 16:13	20
Tetrachloroethene	ND		20	7.2	ug/L			04/07/20 16:13	20
Toluene	ND		20	10	ug/L			04/07/20 16:13	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/07/20 16:13	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/07/20 16:13	20
Trichloroethene	**790**		20	9.2	ug/L			04/07/20 16:13	20
Trichlorofluoromethane	ND		20	18	ug/L			04/07/20 16:13	20
Vinyl chloride	ND		20	18	ug/L			04/07/20 16:13	20
Xylenes, Total	ND		40	13	ug/L			04/07/20 16:13	20

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-3
Date Collected: 04/01/20 12:10
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		04/07/20 16:13	20
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/07/20 16:13	20
4-Bromofluorobenzene (Surr)	96		73 - 120		04/07/20 16:13	20
Dibromofluoromethane (Surr)	102		75 - 123		04/07/20 16:13	20

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-4

Date Collected: 04/01/20 14:10
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-4

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		500	410	ug/L			04/07/20 16:38	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			04/07/20 16:38	500
1,1,2-Trichloroethane	ND		500	120	ug/L			04/07/20 16:38	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160	ug/L			04/07/20 16:38	500
1,1-Dichloroethane	ND		500	190	ug/L			04/07/20 16:38	500
1,1-Dichloroethene	ND		500	150	ug/L			04/07/20 16:38	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			04/07/20 16:38	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			04/07/20 16:38	500
1,2-Dichlorobenzene	ND		500	400	ug/L			04/07/20 16:38	500
1,2-Dichloroethane	ND		500	110	ug/L			04/07/20 16:38	500
1,2-Dichloropropane	ND		500	360	ug/L			04/07/20 16:38	500
1,3-Dichlorobenzene	ND		500	390	ug/L			04/07/20 16:38	500
1,4-Dichlorobenzene	ND		500	420	ug/L			04/07/20 16:38	500
2-Butanone (MEK)	ND		5000	660	ug/L			04/07/20 16:38	500
2-Hexanone	ND		2500	620	ug/L			04/07/20 16:38	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			04/07/20 16:38	500
Acetone	ND		5000	1500	ug/L			04/07/20 16:38	500
Benzene	ND		500	210	ug/L			04/07/20 16:38	500
Bromodichloromethane	ND		500	200	ug/L			04/07/20 16:38	500
Bromoform	ND		500	130	ug/L			04/07/20 16:38	500
Bromomethane	ND		500	350	ug/L			04/07/20 16:38	500
Carbon disulfide	ND		500	95	ug/L			04/07/20 16:38	500
Carbon tetrachloride	ND		500	140	ug/L			04/07/20 16:38	500
Chlorobenzene	ND		500	380	ug/L			04/07/20 16:38	500
Dibromochloromethane	ND		500	160	ug/L			04/07/20 16:38	500
Chloroethane	ND		500	160	ug/L			04/07/20 16:38	500
Chloroform	ND		500	170	ug/L			04/07/20 16:38	500
Chloromethane	ND		500	180	ug/L			04/07/20 16:38	500
cis-1,2-Dichloroethene	**430**	**J**	500	410	ug/L			04/07/20 16:38	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			04/07/20 16:38	500
Cyclohexane	ND		500	90	ug/L			04/07/20 16:38	500
Dichlorodifluoromethane	ND		500	340	ug/L			04/07/20 16:38	500
Ethylbenzene	ND		500	370	ug/L			04/07/20 16:38	500
1,2-Dibromoethane	ND		500	370	ug/L			04/07/20 16:38	500
Isopropylbenzene	ND		500	400	ug/L			04/07/20 16:38	500
Methyl acetate	ND		1300	650	ug/L			04/07/20 16:38	500
Methyl tert-butyl ether	ND		500	80	ug/L			04/07/20 16:38	500
Methylcyclohexane	ND		500	80	ug/L			04/07/20 16:38	500
Methylene Chloride	ND		500	220	ug/L			04/07/20 16:38	500
Styrene	ND		500	370	ug/L			04/07/20 16:38	500
Tetrachloroethene	ND		500	180	ug/L			04/07/20 16:38	500
Toluene	ND		500	260	ug/L			04/07/20 16:38	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			04/07/20 16:38	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			04/07/20 16:38	500
Trichloroethene	**14000**		500	230	ug/L			04/07/20 16:38	500
Trichlorofluoromethane	ND		500	440	ug/L			04/07/20 16:38	500
Vinyl chloride	ND		500	450	ug/L			04/07/20 16:38	500
Xylenes, Total	ND		1000	330	ug/L			04/07/20 16:38	500

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-4
Lab Sample ID: 480-168167-4
Date Collected: 04/01/20 14:10
Matrix: Water
Date Received: 04/03/20 14:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		04/07/20 16:38	500
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		04/07/20 16:38	500
4-Bromofluorobenzene (Surr)	100		73 - 120		04/07/20 16:38	500
Dibromofluoromethane (Surr)	96		75 - 123		04/07/20 16:38	500

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-4D
Date Collected: 04/01/20 13:40
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-5
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			04/07/20 17:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/20 17:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/20 17:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/20 17:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/20 17:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/20 17:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/20 17:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/20 17:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/20 17:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/20 17:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/20 17:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/20 17:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/20 17:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/20 17:02	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/20 17:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/20 17:02	1
Acetone	ND		10	3.0	ug/L			04/07/20 17:02	1
Benzene	ND		1.0	0.41	ug/L			04/07/20 17:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/20 17:02	1
Bromoform	ND		1.0	0.26	ug/L			04/07/20 17:02	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/20 17:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/20 17:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/20 17:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/20 17:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/20 17:02	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/20 17:02	1
Chloroform	ND		1.0	0.34	ug/L			04/07/20 17:02	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/20 17:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/20 17:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/20 17:02	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/20 17:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/20 17:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/20 17:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/20 17:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/20 17:02	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/20 17:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/20 17:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/20 17:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/20 17:02	1
Styrene	ND		1.0	0.73	ug/L			04/07/20 17:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/20 17:02	1
Toluene	ND		1.0	0.51	ug/L			04/07/20 17:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/20 17:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/20 17:02	1
Trichloroethene	**1.2**		1.0	0.46	ug/L			04/07/20 17:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/20 17:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/20 17:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/20 17:02	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-4D
Lab Sample ID: 480-168167-5
Date Collected: 04/01/20 13:40
Matrix: Water
Date Received: 04/03/20 14:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		04/07/20 17:02	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/07/20 17:02	1
4-Bromofluorobenzene (Surr)	101		73 - 120		04/07/20 17:02	1
Dibromofluoromethane (Surr)	104		75 - 123		04/07/20 17:02	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-5
Lab Sample ID: 480-168167-6
Date Collected: 04/01/20 15:15
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/20 17:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/20 17:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/20 17:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/20 17:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/20 17:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/20 17:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/20 17:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/20 17:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/20 17:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/20 17:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/20 17:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/20 17:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/20 17:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/20 17:26	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/20 17:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/20 17:26	1
Acetone	ND		10	3.0	ug/L			04/07/20 17:26	1
Benzene	ND		1.0	0.41	ug/L			04/07/20 17:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/20 17:26	1
Bromoform	ND		1.0	0.26	ug/L			04/07/20 17:26	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/20 17:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/20 17:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/20 17:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/20 17:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/20 17:26	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/20 17:26	1
Chloroform	ND		1.0	0.34	ug/L			04/07/20 17:26	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/20 17:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/20 17:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/20 17:26	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/20 17:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/20 17:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/20 17:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/20 17:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/20 17:26	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/20 17:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/20 17:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/20 17:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/20 17:26	1
Styrene	ND		1.0	0.73	ug/L			04/07/20 17:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/20 17:26	1
Toluene	ND		1.0	0.51	ug/L			04/07/20 17:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/20 17:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/20 17:26	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/20 17:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/20 17:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/20 17:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/20 17:26	1

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-5
Date Collected: 04/01/20 15:15
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		04/07/20 17:26	1
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		04/07/20 17:26	1
4-Bromofluorobenzene (Surr)	99		73 - 120		04/07/20 17:26	1
Dibromofluoromethane (Surr)	101		75 - 123		04/07/20 17:26	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-5D
Lab Sample ID: 480-168167-7
Date Collected: 04/01/20 16:15
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/20 17:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/20 17:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/20 17:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/20 17:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/20 17:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/20 17:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/20 17:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/20 17:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/20 17:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/20 17:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/20 17:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/20 17:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/20 17:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/20 17:50	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/20 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/20 17:50	1
Acetone	ND		10	3.0	ug/L			04/07/20 17:50	1
Benzene	ND		1.0	0.41	ug/L			04/07/20 17:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/20 17:50	1
Bromoform	ND		1.0	0.26	ug/L			04/07/20 17:50	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/20 17:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/20 17:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/20 17:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/20 17:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/20 17:50	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/20 17:50	1
Chloroform	ND		1.0	0.34	ug/L			04/07/20 17:50	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/20 17:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/20 17:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/20 17:50	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/20 17:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/20 17:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/20 17:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/20 17:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/20 17:50	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/20 17:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/20 17:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/20 17:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/20 17:50	1
Styrene	ND		1.0	0.73	ug/L			04/07/20 17:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/20 17:50	1
Toluene	ND		1.0	0.51	ug/L			04/07/20 17:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/20 17:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/20 17:50	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/20 17:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/20 17:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/20 17:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/20 17:50	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-5D
Lab Sample ID: 480-168167-7
Date Collected: 04/01/20 16:15
Matrix: Water
Date Received: 04/03/20 14:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		04/07/20 17:50	1
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		04/07/20 17:50	1
4-Bromofluorobenzene (Surr)	98		73 - 120		04/07/20 17:50	1
Dibromofluoromethane (Surr)	101		75 - 123		04/07/20 17:50	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-6
Lab Sample ID: 480-168167-8
Date Collected: 04/02/20 08:50
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			04/07/20 14:21	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			04/07/20 14:21	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			04/07/20 14:21	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			04/07/20 14:21	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			04/07/20 14:21	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			04/07/20 14:21	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			04/07/20 14:21	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			04/07/20 14:21	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			04/07/20 14:21	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			04/07/20 14:21	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			04/07/20 14:21	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			04/07/20 14:21	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			04/07/20 14:21	2
2-Butanone (MEK)	ND		20	2.6	ug/L			04/07/20 14:21	2
2-Hexanone	ND		10	2.5	ug/L			04/07/20 14:21	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			04/07/20 14:21	2
Acetone	ND		20	6.0	ug/L			04/07/20 14:21	2
Benzene	ND		2.0	0.82	ug/L			04/07/20 14:21	2
Bromodichloromethane	ND		2.0	0.78	ug/L			04/07/20 14:21	2
Bromoform	ND		2.0	0.52	ug/L			04/07/20 14:21	2
Bromomethane	ND		2.0	1.4	ug/L			04/07/20 14:21	2
Carbon disulfide	ND		2.0	0.38	ug/L			04/07/20 14:21	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			04/07/20 14:21	2
Chlorobenzene	ND		2.0	1.5	ug/L			04/07/20 14:21	2
Dibromochloromethane	ND		2.0	0.64	ug/L			04/07/20 14:21	2
Chloroethane	ND		2.0	0.64	ug/L			04/07/20 14:21	2
Chloroform	ND		2.0	0.68	ug/L			04/07/20 14:21	2
Chloromethane	ND		2.0	0.70	ug/L			04/07/20 14:21	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			04/07/20 14:21	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			04/07/20 14:21	2
Cyclohexane	ND		2.0	0.36	ug/L			04/07/20 14:21	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			04/07/20 14:21	2
Ethylbenzene	ND		2.0	1.5	ug/L			04/07/20 14:21	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			04/07/20 14:21	2
Isopropylbenzene	ND		2.0	1.6	ug/L			04/07/20 14:21	2
Methyl acetate	ND		5.0	2.6	ug/L			04/07/20 14:21	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			04/07/20 14:21	2
Methylcyclohexane	ND		2.0	0.32	ug/L			04/07/20 14:21	2
Methylene Chloride	ND		2.0	0.88	ug/L			04/07/20 14:21	2
Styrene	ND		2.0	1.5	ug/L			04/07/20 14:21	2
Tetrachloroethene	ND		2.0	0.72	ug/L			04/07/20 14:21	2
Toluene	ND		2.0	1.0	ug/L			04/07/20 14:21	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			04/07/20 14:21	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			04/07/20 14:21	2
Trichloroethene	ND		2.0	0.92	ug/L			04/07/20 14:21	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			04/07/20 14:21	2
Vinyl chloride	ND		2.0	1.8	ug/L			04/07/20 14:21	2
Xylenes, Total	ND		4.0	1.3	ug/L			04/07/20 14:21	2

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-6
Date Collected: 04/02/20 08:50
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		04/07/20 14:21	2
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		04/07/20 14:21	2
4-Bromofluorobenzene (Surr)	97		73 - 120		04/07/20 14:21	2
Dibromofluoromethane (Surr)	107		75 - 123		04/07/20 14:21	2

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-7
Lab Sample ID: 480-168167-9
Date Collected: 04/02/20 09:20
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/20 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/20 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/20 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/20 14:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/20 14:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/20 14:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/20 14:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/20 14:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/20 14:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/20 14:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/20 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/20 14:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/20 14:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/20 14:45	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/20 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/20 14:45	1
Acetone	ND		10	3.0	ug/L			04/07/20 14:45	1
Benzene	ND		1.0	0.41	ug/L			04/07/20 14:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/20 14:45	1
Bromoform	ND		1.0	0.26	ug/L			04/07/20 14:45	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/20 14:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/20 14:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/20 14:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/20 14:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/20 14:45	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/20 14:45	1
Chloroform	ND		1.0	0.34	ug/L			04/07/20 14:45	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/20 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/20 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/20 14:45	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/20 14:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/20 14:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/20 14:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/20 14:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/20 14:45	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/20 14:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/20 14:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/20 14:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/20 14:45	1
Styrene	ND		1.0	0.73	ug/L			04/07/20 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/20 14:45	1
Toluene	ND		1.0	0.51	ug/L			04/07/20 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/20 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/20 14:45	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/20 14:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/20 14:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/20 14:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/20 14:45	1

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-7
Date Collected: 04/02/20 09:20
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		04/07/20 14:45	1
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		04/07/20 14:45	1
4-Bromofluorobenzene (Surr)	91		73 - 120		04/07/20 14:45	1
Dibromofluoromethane (Surr)	107		75 - 123		04/07/20 14:45	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-8
Lab Sample ID: 480-168167-10
Date Collected: 04/02/20 13:30
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/20 15:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/20 15:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/20 15:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/20 15:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/20 15:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/20 15:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/20 15:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/20 15:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/20 15:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/20 15:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/20 15:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/20 15:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/20 15:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/20 15:10	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/20 15:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/20 15:10	1
Acetone	ND		10	3.0	ug/L			04/07/20 15:10	1
Benzene	ND		1.0	0.41	ug/L			04/07/20 15:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/20 15:10	1
Bromoform	ND		1.0	0.26	ug/L			04/07/20 15:10	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/20 15:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/20 15:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/20 15:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/20 15:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/20 15:10	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/20 15:10	1
Chloroform	ND		1.0	0.34	ug/L			04/07/20 15:10	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/20 15:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/20 15:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/20 15:10	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/20 15:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/20 15:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/20 15:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/20 15:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/20 15:10	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/20 15:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/20 15:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/20 15:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/20 15:10	1
Styrene	ND		1.0	0.73	ug/L			04/07/20 15:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/20 15:10	1
Toluene	ND		1.0	0.51	ug/L			04/07/20 15:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/20 15:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/20 15:10	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/20 15:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/20 15:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/20 15:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/20 15:10	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-8
Lab Sample ID: 480-168167-10
Date Collected: 04/02/20 13:30
Matrix: Water
Date Received: 04/03/20 14:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		80 - 120		04/07/20 15:10	1
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		04/07/20 15:10	1
4-Bromofluorobenzene (Surr)	104		73 - 120		04/07/20 15:10	1
Dibromofluoromethane (Surr)	111		75 - 123		04/07/20 15:10	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-9R
Lab Sample ID: 480-168167-11
Date Collected: 04/02/20 16:10
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			04/07/20 15:34	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			04/07/20 15:34	100
1,1,2-Trichloroethane	ND		100	23	ug/L			04/07/20 15:34	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			04/07/20 15:34	100
1,1-Dichloroethane	ND		100	38	ug/L			04/07/20 15:34	100
1,1-Dichloroethene	ND		100	29	ug/L			04/07/20 15:34	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			04/07/20 15:34	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			04/07/20 15:34	100
1,2-Dichlorobenzene	ND		100	79	ug/L			04/07/20 15:34	100
1,2-Dichloroethane	ND		100	21	ug/L			04/07/20 15:34	100
1,2-Dichloropropane	ND		100	72	ug/L			04/07/20 15:34	100
1,3-Dichlorobenzene	ND		100	78	ug/L			04/07/20 15:34	100
1,4-Dichlorobenzene	ND		100	84	ug/L			04/07/20 15:34	100
2-Butanone (MEK)	ND		1000	130	ug/L			04/07/20 15:34	100
2-Hexanone	ND		500	120	ug/L			04/07/20 15:34	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			04/07/20 15:34	100
Acetone	ND		1000	300	ug/L			04/07/20 15:34	100
Benzene	ND		100	41	ug/L			04/07/20 15:34	100
Bromodichloromethane	ND		100	39	ug/L			04/07/20 15:34	100
Bromoform	ND		100	26	ug/L			04/07/20 15:34	100
Bromomethane	ND		100	69	ug/L			04/07/20 15:34	100
Carbon disulfide	ND		100	19	ug/L			04/07/20 15:34	100
Carbon tetrachloride	ND		100	27	ug/L			04/07/20 15:34	100
Chlorobenzene	ND		100	75	ug/L			04/07/20 15:34	100
Dibromochloromethane	ND		100	32	ug/L			04/07/20 15:34	100
Chloroethane	ND		100	32	ug/L			04/07/20 15:34	100
Chloroform	ND		100	34	ug/L			04/07/20 15:34	100
Chloromethane	ND		100	35	ug/L			04/07/20 15:34	100
cis-1,2-Dichloroethene	**2900**		100	81	ug/L			04/07/20 15:34	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			04/07/20 15:34	100
Cyclohexane	ND		100	18	ug/L			04/07/20 15:34	100
Dichlorodifluoromethane	ND		100	68	ug/L			04/07/20 15:34	100
Ethylbenzene	ND		100	74	ug/L			04/07/20 15:34	100
1,2-Dibromoethane	ND		100	73	ug/L			04/07/20 15:34	100
Isopropylbenzene	ND		100	79	ug/L			04/07/20 15:34	100
Methyl acetate	ND		250	130	ug/L			04/07/20 15:34	100
Methyl tert-butyl ether	ND		100	16	ug/L			04/07/20 15:34	100
Methylcyclohexane	ND		100	16	ug/L			04/07/20 15:34	100
Methylene Chloride	ND		100	44	ug/L			04/07/20 15:34	100
Styrene	ND		100	73	ug/L			04/07/20 15:34	100
Tetrachloroethene	ND		100	36	ug/L			04/07/20 15:34	100
Toluene	ND		100	51	ug/L			04/07/20 15:34	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			04/07/20 15:34	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			04/07/20 15:34	100
Trichloroethene	**2800**		100	46	ug/L			04/07/20 15:34	100
Trichlorofluoromethane	ND		100	88	ug/L			04/07/20 15:34	100
Vinyl chloride	**260**		100	90	ug/L			04/07/20 15:34	100
Xylenes, Total	ND		200	66	ug/L			04/07/20 15:34	100

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-9R
Date Collected: 04/02/20 16:10
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		80 - 120		04/07/20 15:34	100
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		04/07/20 15:34	100
4-Bromofluorobenzene (Surr)	99		73 - 120		04/07/20 15:34	100
Dibromofluoromethane (Surr)	109		75 - 123		04/07/20 15:34	100

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-10
Lab Sample ID: 480-168167-12
Date Collected: 04/02/20 14:40
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/20 15:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/20 15:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/20 15:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/20 15:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/20 15:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/20 15:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/20 15:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/20 15:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/20 15:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/20 15:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/20 15:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/20 15:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/20 15:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/20 15:59	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/20 15:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/20 15:59	1
Acetone	ND		10	3.0	ug/L			04/07/20 15:59	1
Benzene	ND		1.0	0.41	ug/L			04/07/20 15:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/20 15:59	1
Bromoform	ND		1.0	0.26	ug/L			04/07/20 15:59	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/20 15:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/20 15:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/20 15:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/20 15:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/20 15:59	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/20 15:59	1
Chloroform	ND		1.0	0.34	ug/L			04/07/20 15:59	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/20 15:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/20 15:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/20 15:59	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/20 15:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/20 15:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/20 15:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/20 15:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/20 15:59	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/20 15:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/20 15:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/20 15:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/20 15:59	1
Styrene	ND		1.0	0.73	ug/L			04/07/20 15:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/20 15:59	1
Toluene	ND		1.0	0.51	ug/L			04/07/20 15:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/20 15:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/20 15:59	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/20 15:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/20 15:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/20 15:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/20 15:59	1

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-10
Date Collected: 04/02/20 14:40
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-12
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		04/07/20 15:59	1
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		04/07/20 15:59	1
4-Bromofluorobenzene (Surr)	88		73 - 120		04/07/20 15:59	1
Dibromofluoromethane (Surr)	104		75 - 123		04/07/20 15:59	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-11R
Lab Sample ID: 480-168167-13
Date Collected: 04/03/20 09:00
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/08/20 11:28	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			04/08/20 11:28	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/08/20 11:28	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/08/20 11:28	20
1,1-Dichloroethane	ND		20	7.6	ug/L			04/08/20 11:28	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/08/20 11:28	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/08/20 11:28	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/08/20 11:28	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/08/20 11:28	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/08/20 11:28	20
1,2-Dichloropropane	ND		20	14	ug/L			04/08/20 11:28	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/08/20 11:28	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/08/20 11:28	20
2-Butanone (MEK)	ND		200	26	ug/L			04/08/20 11:28	20
2-Hexanone	ND		100	25	ug/L			04/08/20 11:28	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/08/20 11:28	20
Acetone	ND		200	60	ug/L			04/08/20 11:28	20
Benzene	ND		20	8.2	ug/L			04/08/20 11:28	20
Bromodichloromethane	ND		20	7.8	ug/L			04/08/20 11:28	20
Bromoform	ND		20	5.2	ug/L			04/08/20 11:28	20
Bromomethane	ND		20	14	ug/L			04/08/20 11:28	20
Carbon disulfide	ND		20	3.8	ug/L			04/08/20 11:28	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/08/20 11:28	20
Chlorobenzene	ND		20	15	ug/L			04/08/20 11:28	20
Dibromochloromethane	ND		20	6.4	ug/L			04/08/20 11:28	20
Chloroethane	ND		20	6.4	ug/L			04/08/20 11:28	20
Chloroform	ND		20	6.8	ug/L			04/08/20 11:28	20
Chloromethane	ND		20	7.0	ug/L			04/08/20 11:28	20
cis-1,2-Dichloroethene	**230**		20	16	ug/L			04/08/20 11:28	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/08/20 11:28	20
Cyclohexane	ND		20	3.6	ug/L			04/08/20 11:28	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/08/20 11:28	20
Ethylbenzene	ND		20	15	ug/L			04/08/20 11:28	20
1,2-Dibromoethane	ND		20	15	ug/L			04/08/20 11:28	20
Isopropylbenzene	ND		20	16	ug/L			04/08/20 11:28	20
Methyl acetate	ND		50	26	ug/L			04/08/20 11:28	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/08/20 11:28	20
Methylcyclohexane	ND		20	3.2	ug/L			04/08/20 11:28	20
Methylene Chloride	**11**	**J**	20	8.8	ug/L			04/08/20 11:28	20
Styrene	ND		20	15	ug/L			04/08/20 11:28	20
Tetrachloroethene	ND		20	7.2	ug/L			04/08/20 11:28	20
Toluene	ND		20	10	ug/L			04/08/20 11:28	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/08/20 11:28	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/08/20 11:28	20
Trichloroethene	**1200**		20	9.2	ug/L			04/08/20 11:28	20
Trichlorofluoromethane	ND		20	18	ug/L			04/08/20 11:28	20
Vinyl chloride	ND		20	18	ug/L			04/08/20 11:28	20
Xylenes, Total	ND		40	13	ug/L			04/08/20 11:28	20

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-11R
Date Collected: 04/03/20 09:00
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-13
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		04/08/20 11:28	20
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		04/08/20 11:28	20
4-Bromofluorobenzene (Surr)	96		73 - 120		04/08/20 11:28	20
Dibromofluoromethane (Surr)	108		75 - 123		04/08/20 11:28	20

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-12
Lab Sample ID: 480-168167-14
Date Collected: 04/02/20 11:30
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			04/07/20 16:47	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			04/07/20 16:47	100
1,1,2-Trichloroethane	ND		100	23	ug/L			04/07/20 16:47	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			04/07/20 16:47	100
1,1-Dichloroethane	ND		100	38	ug/L			04/07/20 16:47	100
1,1-Dichloroethene	ND		100	29	ug/L			04/07/20 16:47	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			04/07/20 16:47	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			04/07/20 16:47	100
1,2-Dichlorobenzene	ND		100	79	ug/L			04/07/20 16:47	100
1,2-Dichloroethane	ND		100	21	ug/L			04/07/20 16:47	100
1,2-Dichloropropane	ND		100	72	ug/L			04/07/20 16:47	100
1,3-Dichlorobenzene	ND		100	78	ug/L			04/07/20 16:47	100
1,4-Dichlorobenzene	ND		100	84	ug/L			04/07/20 16:47	100
2-Butanone (MEK)	ND		1000	130	ug/L			04/07/20 16:47	100
2-Hexanone	ND		500	120	ug/L			04/07/20 16:47	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			04/07/20 16:47	100
Acetone	ND		1000	300	ug/L			04/07/20 16:47	100
Benzene	ND		100	41	ug/L			04/07/20 16:47	100
Bromodichloromethane	ND		100	39	ug/L			04/07/20 16:47	100
Bromoform	ND		100	26	ug/L			04/07/20 16:47	100
Bromomethane	ND		100	69	ug/L			04/07/20 16:47	100
Carbon disulfide	ND		100	19	ug/L			04/07/20 16:47	100
Carbon tetrachloride	ND		100	27	ug/L			04/07/20 16:47	100
Chlorobenzene	ND		100	75	ug/L			04/07/20 16:47	100
Dibromochloromethane	ND		100	32	ug/L			04/07/20 16:47	100
Chloroethane	ND		100	32	ug/L			04/07/20 16:47	100
Chloroform	ND		100	34	ug/L			04/07/20 16:47	100
Chloromethane	ND		100	35	ug/L			04/07/20 16:47	100
cis-1,2-Dichloroethene	**100**		100	81	ug/L			04/07/20 16:47	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			04/07/20 16:47	100
Cyclohexane	ND		100	18	ug/L			04/07/20 16:47	100
Dichlorodifluoromethane	ND		100	68	ug/L			04/07/20 16:47	100
Ethylbenzene	ND		100	74	ug/L			04/07/20 16:47	100
1,2-Dibromoethane	ND		100	73	ug/L			04/07/20 16:47	100
Isopropylbenzene	ND		100	79	ug/L			04/07/20 16:47	100
Methyl acetate	ND		250	130	ug/L			04/07/20 16:47	100
Methyl tert-butyl ether	ND		100	16	ug/L			04/07/20 16:47	100
Methylcyclohexane	ND		100	16	ug/L			04/07/20 16:47	100
Methylene Chloride	ND		100	44	ug/L			04/07/20 16:47	100
Styrene	ND		100	73	ug/L			04/07/20 16:47	100
Tetrachloroethene	ND		100	36	ug/L			04/07/20 16:47	100
Toluene	ND		100	51	ug/L			04/07/20 16:47	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			04/07/20 16:47	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			04/07/20 16:47	100
Trichloroethene	**4900**	**F1**	100	46	ug/L			04/07/20 16:47	100
Trichlorofluoromethane	ND		100	88	ug/L			04/07/20 16:47	100
Vinyl chloride	ND		100	90	ug/L			04/07/20 16:47	100
Xylenes, Total	ND		200	66	ug/L			04/07/20 16:47	100

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-12
Lab Sample ID: 480-168167-14
Date Collected: 04/02/20 11:30
Matrix: Water
Date Received: 04/03/20 14:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		04/07/20 16:47	100
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		04/07/20 16:47	100
4-Bromofluorobenzene (Surr)	105		73 - 120		04/07/20 16:47	100
Dibromofluoromethane (Surr)	104		75 - 123		04/07/20 16:47	100

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-13

Date Collected: 04/03/20 10:30
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-15

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		80	66	ug/L			04/07/20 17:12	80
1,1,2,2-Tetrachloroethane	ND		80	17	ug/L			04/07/20 17:12	80
1,1,2-Trichloroethane	ND		80	18	ug/L			04/07/20 17:12	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		80	25	ug/L			04/07/20 17:12	80
1,1-Dichloroethane	ND		80	30	ug/L			04/07/20 17:12	80
1,1-Dichloroethene	ND		80	23	ug/L			04/07/20 17:12	80
1,2,4-Trichlorobenzene	ND		80	33	ug/L			04/07/20 17:12	80
1,2-Dibromo-3-Chloropropane	ND		80	31	ug/L			04/07/20 17:12	80
1,2-Dichlorobenzene	ND		80	63	ug/L			04/07/20 17:12	80
1,2-Dichloroethane	ND		80	17	ug/L			04/07/20 17:12	80
1,2-Dichloropropane	ND		80	58	ug/L			04/07/20 17:12	80
1,3-Dichlorobenzene	ND		80	62	ug/L			04/07/20 17:12	80
1,4-Dichlorobenzene	ND		80	67	ug/L			04/07/20 17:12	80
2-Butanone (MEK)	ND		800	110	ug/L			04/07/20 17:12	80
2-Hexanone	ND		400	99	ug/L			04/07/20 17:12	80
4-Methyl-2-pentanone (MIBK)	ND		400	170	ug/L			04/07/20 17:12	80
Acetone	ND		800	240	ug/L			04/07/20 17:12	80
Benzene	ND		80	33	ug/L			04/07/20 17:12	80
Bromodichloromethane	ND		80	31	ug/L			04/07/20 17:12	80
Bromoform	ND		80	21	ug/L			04/07/20 17:12	80
Bromomethane	ND		80	55	ug/L			04/07/20 17:12	80
Carbon disulfide	ND		80	15	ug/L			04/07/20 17:12	80
Carbon tetrachloride	ND		80	22	ug/L			04/07/20 17:12	80
Chlorobenzene	ND		80	60	ug/L			04/07/20 17:12	80
Dibromochloromethane	ND		80	26	ug/L			04/07/20 17:12	80
Chloroethane	ND		80	26	ug/L			04/07/20 17:12	80
Chloroform	ND		80	27	ug/L			04/07/20 17:12	80
Chloromethane	ND		80	28	ug/L			04/07/20 17:12	80
cis-1,2-Dichloroethene	**580**		80	65	ug/L			04/07/20 17:12	80
cis-1,3-Dichloropropene	ND		80	29	ug/L			04/07/20 17:12	80
Cyclohexane	ND		80	14	ug/L			04/07/20 17:12	80
Dichlorodifluoromethane	ND		80	54	ug/L			04/07/20 17:12	80
Ethylbenzene	ND		80	59	ug/L			04/07/20 17:12	80
1,2-Dibromoethane	ND		80	58	ug/L			04/07/20 17:12	80
Isopropylbenzene	ND		80	63	ug/L			04/07/20 17:12	80
Methyl acetate	ND		200	100	ug/L			04/07/20 17:12	80
Methyl tert-butyl ether	ND		80	13	ug/L			04/07/20 17:12	80
Methylcyclohexane	ND		80	13	ug/L			04/07/20 17:12	80
Methylene Chloride	**50**	**J**	80	35	ug/L			04/07/20 17:12	80
Styrene	ND		80	58	ug/L			04/07/20 17:12	80
Tetrachloroethene	ND		80	29	ug/L			04/07/20 17:12	80
Toluene	ND		80	41	ug/L			04/07/20 17:12	80
trans-1,2-Dichloroethene	ND		80	72	ug/L			04/07/20 17:12	80
trans-1,3-Dichloropropene	ND		80	30	ug/L			04/07/20 17:12	80
Trichloroethene	**2400**		80	37	ug/L			04/07/20 17:12	80
Trichlorofluoromethane	ND		80	70	ug/L			04/07/20 17:12	80
Vinyl chloride	ND		80	72	ug/L			04/07/20 17:12	80
Xylenes, Total	ND		160	53	ug/L			04/07/20 17:12	80

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-13
Lab Sample ID: 480-168167-15
Date Collected: 04/03/20 10:30
Matrix: Water
Date Received: 04/03/20 14:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		04/07/20 17:12	80
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		04/07/20 17:12	80
4-Bromofluorobenzene (Surr)	85		73 - 120		04/07/20 17:12	80
Dibromofluoromethane (Surr)	105		75 - 123		04/07/20 17:12	80

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-14
Date Collected: 04/03/20 11:30
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-16
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		100	82	ug/L			04/07/20 17:36	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			04/07/20 17:36	100
1,1,2-Trichloroethane	ND		100	23	ug/L			04/07/20 17:36	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			04/07/20 17:36	100
1,1-Dichloroethane	ND		100	38	ug/L			04/07/20 17:36	100
1,1-Dichloroethene	ND		100	29	ug/L			04/07/20 17:36	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			04/07/20 17:36	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			04/07/20 17:36	100
1,2-Dichlorobenzene	ND		100	79	ug/L			04/07/20 17:36	100
1,2-Dichloroethane	ND		100	21	ug/L			04/07/20 17:36	100
1,2-Dichloropropane	ND		100	72	ug/L			04/07/20 17:36	100
1,3-Dichlorobenzene	ND		100	78	ug/L			04/07/20 17:36	100
1,4-Dichlorobenzene	ND		100	84	ug/L			04/07/20 17:36	100
2-Butanone (MEK)	ND		1000	130	ug/L			04/07/20 17:36	100
2-Hexanone	ND		500	120	ug/L			04/07/20 17:36	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			04/07/20 17:36	100
Acetone	ND		1000	300	ug/L			04/07/20 17:36	100
Benzene	ND		100	41	ug/L			04/07/20 17:36	100
Bromodichloromethane	ND		100	39	ug/L			04/07/20 17:36	100
Bromoform	ND		100	26	ug/L			04/07/20 17:36	100
Bromomethane	ND		100	69	ug/L			04/07/20 17:36	100
Carbon disulfide	ND		100	19	ug/L			04/07/20 17:36	100
Carbon tetrachloride	ND		100	27	ug/L			04/07/20 17:36	100
Chlorobenzene	ND		100	75	ug/L			04/07/20 17:36	100
Dibromochloromethane	ND		100	32	ug/L			04/07/20 17:36	100
Chloroethane	ND		100	32	ug/L			04/07/20 17:36	100
Chloroform	ND		100	34	ug/L			04/07/20 17:36	100
Chloromethane	ND		100	35	ug/L			04/07/20 17:36	100
cis-1,2-Dichloroethene	**860**		100	81	ug/L			04/07/20 17:36	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			04/07/20 17:36	100
Cyclohexane	ND		100	18	ug/L			04/07/20 17:36	100
Dichlorodifluoromethane	ND		100	68	ug/L			04/07/20 17:36	100
Ethylbenzene	ND		100	74	ug/L			04/07/20 17:36	100
1,2-Dibromoethane	ND		100	73	ug/L			04/07/20 17:36	100
Isopropylbenzene	ND		100	79	ug/L			04/07/20 17:36	100
Methyl acetate	ND		250	130	ug/L			04/07/20 17:36	100
Methyl tert-butyl ether	ND		100	16	ug/L			04/07/20 17:36	100
Methylcyclohexane	ND		100	16	ug/L			04/07/20 17:36	100
Methylene Chloride	**55**	**J**	100	44	ug/L			04/07/20 17:36	100
Styrene	ND		100	73	ug/L			04/07/20 17:36	100
Tetrachloroethene	ND		100	36	ug/L			04/07/20 17:36	100
Toluene	ND		100	51	ug/L			04/07/20 17:36	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			04/07/20 17:36	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			04/07/20 17:36	100
Trichloroethene	**2800**		100	46	ug/L			04/07/20 17:36	100
Trichlorofluoromethane	ND		100	88	ug/L			04/07/20 17:36	100
Vinyl chloride	ND		100	90	ug/L			04/07/20 17:36	100
Xylenes, Total	ND		200	66	ug/L			04/07/20 17:36	100

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-14
Date Collected: 04/03/20 11:30
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-16
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120		04/07/20 17:36	100
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		04/07/20 17:36	100
4-Bromofluorobenzene (Surr)	102		73 - 120		04/07/20 17:36	100
Dibromofluoromethane (Surr)	107		75 - 123		04/07/20 17:36	100

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: DUP-A
Lab Sample ID: 480-168167-17
Date Collected: 04/03/20 00:00
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/09/20 11:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/09/20 11:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/09/20 11:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/09/20 11:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/09/20 11:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/09/20 11:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/09/20 11:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/09/20 11:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/09/20 11:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/09/20 11:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/09/20 11:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/09/20 11:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/09/20 11:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/09/20 11:13	1
2-Hexanone	ND		5.0	1.2	ug/L			04/09/20 11:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/09/20 11:13	1
Acetone	ND		10	3.0	ug/L			04/09/20 11:13	1
Benzene	ND		1.0	0.41	ug/L			04/09/20 11:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/09/20 11:13	1
Bromoform	ND		1.0	0.26	ug/L			04/09/20 11:13	1
Bromomethane	ND		1.0	0.69	ug/L			04/09/20 11:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/09/20 11:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/09/20 11:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/09/20 11:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/09/20 11:13	1
Chloroethane	ND		1.0	0.32	ug/L			04/09/20 11:13	1
Chloroform	ND		1.0	0.34	ug/L			04/09/20 11:13	1
Chloromethane	ND		1.0	0.35	ug/L			04/09/20 11:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/09/20 11:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/09/20 11:13	1
Cyclohexane	ND		1.0	0.18	ug/L			04/09/20 11:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/09/20 11:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/09/20 11:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/09/20 11:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/09/20 11:13	1
Methyl acetate	ND		2.5	1.3	ug/L			04/09/20 11:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/09/20 11:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/09/20 11:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/09/20 11:13	1
Styrene	ND		1.0	0.73	ug/L			04/09/20 11:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/09/20 11:13	1
Toluene	ND		1.0	0.51	ug/L			04/09/20 11:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/09/20 11:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/09/20 11:13	1
Trichloroethene	ND		1.0	0.46	ug/L			04/09/20 11:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/09/20 11:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/09/20 11:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/09/20 11:13	1

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: DUP-A
Date Collected: 04/03/20 00:00
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-17
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		04/09/20 11:13	1
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		04/09/20 11:13	1
4-Bromofluorobenzene (Surr)	92		73 - 120		04/09/20 11:13	1
Dibromofluoromethane (Surr)	105		75 - 123		04/09/20 11:13	1

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: TRP BLANK
Lab Sample ID: 480-168167-18
Date Collected: 04/03/20 00:00
Matrix: Water
Date Received: 04/03/20 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/20 18:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/20 18:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/20 18:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/20 18:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/20 18:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/20 18:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/20 18:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/20 18:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/20 18:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/20 18:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/20 18:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/20 18:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/20 18:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/20 18:24	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/20 18:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/20 18:24	1
Acetone	ND		10	3.0	ug/L			04/07/20 18:24	1
Benzene	ND		1.0	0.41	ug/L			04/07/20 18:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/20 18:24	1
Bromoform	ND		1.0	0.26	ug/L			04/07/20 18:24	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/20 18:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/20 18:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/20 18:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/20 18:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/20 18:24	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/20 18:24	1
Chloroform	ND		1.0	0.34	ug/L			04/07/20 18:24	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/20 18:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/20 18:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/20 18:24	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/20 18:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/20 18:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/20 18:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/20 18:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/20 18:24	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/20 18:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/20 18:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/20 18:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/20 18:24	1
Styrene	ND		1.0	0.73	ug/L			04/07/20 18:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/20 18:24	1
Toluene	ND		1.0	0.51	ug/L			04/07/20 18:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/20 18:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/20 18:24	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/20 18:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/20 18:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/20 18:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/20 18:24	1

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: TRP BLANK
Date Collected: 04/03/20 00:00
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-18
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		80 - 120		04/07/20 18:24	1
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		04/07/20 18:24	1
4-Bromofluorobenzene (Surr)	101		73 - 120		04/07/20 18:24	1
Dibromofluoromethane (Surr)	117		75 - 123		04/07/20 18:24	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-168167-1	MW-1	96	96	101	104
480-168167-2	MW-2	100	104	106	107
480-168167-2 MS	MW-2	94	92	95	95
480-168167-2 MSD	MW-2	95	95	96	98
480-168167-3	MW-3	93	101	96	102
480-168167-3 MS	MW-3	96	102	101	108
480-168167-3 MSD	MW-3	97	96	100	100
480-168167-4	MW-4	94	95	100	96
480-168167-5	MW-4D	95	101	101	104
480-168167-6	MW-5	94	95	99	101
480-168167-7	MW-5D	93	99	98	101
480-168167-8	MW-6	105	112	97	107
480-168167-9	MW-7	102	111	91	107
480-168167-10	MW-8	111	117	104	111
480-168167-11	MW-9R	110	116	99	109
480-168167-12	MW-10	98	110	88	104
480-168167-13	MW-11R	103	113	96	108
480-168167-14	MW-12	105	111	105	104
480-168167-14 MS	MW-12	101	109	95	108
480-168167-14 MSD	MW-12	103	105	96	106
480-168167-15	MW-13	99	110	85	105
480-168167-16	MW-14	106	113	102	107
480-168167-17	DUP-A	102	110	92	105
480-168167-18	TRP BLANK	109	118	101	117
LCS 480-524581/5	Lab Control Sample	94	94	103	100
LCS 480-524584/5	Lab Control Sample	101	107	94	108
LCS 480-524779/5	Lab Control Sample	90	100	96	94
LCS 480-524795/5	Lab Control Sample	106	105	101	106
LCS 480-525015/5	Lab Control Sample	108	106	104	110
MB 480-524581/7	Method Blank	96	100	102	104
MB 480-524584/7	Method Blank	101	107	93	102
MB 480-524779/7	Method Blank	93	96	96	96
MB 480-524795/7	Method Blank	105	107	101	103
MB 480-525015/7	Method Blank	107	114	100	111

Surrogate Legend

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

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

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

Lab Sample ID: MB 480-524581/7
Matrix: Water
Analysis Batch: 524581

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/20 10:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/20 10:01	1
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L			04/07/20 10:01	1
1,1,2-Trichloro-1,2,2-tri3uoroethane	ND		1.0	0.51	ug/L			04/07/20 10:01	1
1,1-Dichloroethane	ND		1.0	0.58	ug/L			04/07/20 10:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/20 10:01	1
1,2,4-Trichlorobenf ene	ND		1.0	0.41	ug/L			04/07/20 10:01	1
1,2-Dibroz o-5-Chloromromane	ND		1.0	0.59	ug/L			04/07/20 10:01	1
1,2-Dichlorobenf ene	ND		1.0	0.79	ug/L			04/07/20 10:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/20 10:01	1
1,2-Dichloromromane	ND		1.0	0.72	ug/L			04/07/20 10:01	1
1,5-Dichlorobenf ene	ND		1.0	0.78	ug/L			04/07/20 10:01	1
1,4-Dichlorobenf ene	ND		1.0	0.84	ug/L			04/07/20 10:01	1
2-putanone B(EMK	ND		10	1.5	ug/L			04/07/20 10:01	1
2-Hexanone	ND		) .0	1.2	ug/L			04/07/20 10:01	1
4-(ethyl-2-mentanone B(lpMK	ND		) .0	2.1	ug/L			04/07/20 10:01	1
Acetone	ND		10	5.0	ug/L			04/07/20 10:01	1
penf ene	ND		1.0	0.41	ug/L			04/07/20 10:01	1
proz odichloroz ethane	ND		1.0	0.59	ug/L			04/07/20 10:01	1
proz o3brz	ND		1.0	0.26	ug/L			04/07/20 10:01	1
proz oz ethane	ND		1.0	0.69	ug/L			04/07/20 10:01	1
Carbon disul3de	ND		1.0	0.19	ug/L			04/07/20 10:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/20 10:01	1
Chlorobenf ene	ND		1.0	0.7)	ug/L			04/07/20 10:01	1
Dibroz ochloroz ethane	ND		1.0	0.52	ug/L			04/07/20 10:01	1
Chloroethane	ND		1.0	0.52	ug/L			04/07/20 10:01	1
Chloro3brz	ND		1.0	0.54	ug/L			04/07/20 10:01	1
Chloroz ethane	ND		1.0	0.5)	ug/L			04/07/20 10:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/20 10:01	1
cis-1,5-Dichloromromene	ND		1.0	0.56	ug/L			04/07/20 10:01	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/20 10:01	1
Dichlorodi3uoroz ethane	ND		1.0	0.68	ug/L			04/07/20 10:01	1
Ethylbenf ene	ND		1.0	0.74	ug/L			04/07/20 10:01	1
1,2-Dibroz oethane	ND		1.0	0.75	ug/L			04/07/20 10:01	1
Isomromylbenf ene	ND		1.0	0.79	ug/L			04/07/20 10:01	1
(ethyl acetate	ND		2.)	1.5	ug/L			04/07/20 10:01	1
(ethyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/20 10:01	1
(ethylcyclohexane	ND		1.0	0.16	ug/L			04/07/20 10:01	1
(ethylene Chloride	ND		1.0	0.44	ug/L			04/07/20 10:01	1
Styrene	ND		1.0	0.75	ug/L			04/07/20 10:01	1
Tetrachloroethene	ND		1.0	0.56	ug/L			04/07/20 10:01	1
Toluene	ND		1.0	0.) 1	ug/L			04/07/20 10:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/20 10:01	1
trans-1,5-Dichloromromene	ND		1.0	0.57	ug/L			04/07/20 10:01	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/20 10:01	1
Trichloro3uoroz ethane	ND		1.0	0.88	ug/L			04/07/20 10:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/20 10:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/20 10:01	1

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

Lab Sample ID: MB 480-524581/7
Matrix: Water
Analysis Batch: 524581

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		04/07/20 10:01	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		04/07/20 10:01	1
4-Bromofluorobenzene (Surr)	102		73 - 120		04/07/20 10:01	1
Dibromofluoromethane (Surr)	104		75 - 123		04/07/20 10:01	1

Lab Sample ID: LCS 480-524581/5
Matrix: Water
Analysis Batch: 524581

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2) .0	2) .7		ug/L		105	75 - 126
1,1,2,2-Tetrachloroethane	2) .0	26.)		ug/L		106	76 - 120
1,1,2-Trichloroethane	2) .0	28.1		ug/L		112	76 - 122
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	2) .0	26.1		ug/L		104	61 - 148
1,1-Dichloroethane	2) .0	2) .0		ug/L		100	77 - 120
1,1-Dichloroethene	2) .0	2) .)		ug/L		102	66 - 127
1,2,4-Trichlorobenf ene	2) .0	28.4		ug/L		114	79 - 122
1,2-Dibroz o-5-Chloromromane	2) .0	24.7		ug/L		99	) 6 - 154
1,2-Dichlorobenf ene	2) .0	27.1		ug/L		108	80 - 124
1,2-Dichloroethane	2) .0	26.7		ug/L		107	7) - 120
1,2-Dichloromromane	2) .0	27.8		ug/L		111	76 - 120
1,5-Dichlorobenf ene	2) .0	26.8		ug/L		107	77 - 120
1,4-Dichlorobenf ene	2) .0	27.7		ug/L		111	80 - 120
2-putanone B(EMK	12)	145		ug/L		114	) 7 - 140
2-Hexanone	12)	145		ug/L		11)	6) - 127
4-(ethyl-2-rentanone B(lpMK	12)	154		ug/L		107	71 - 12)
Acetone	12)	1) 9		ug/L		128	) 6 - 142
penf ene	2) .0	27.1		ug/L		108	71 - 124
proz odichloroz ethane	2) .0	28.4		ug/L		114	80 - 122
proz o3brz	2) .0	28.4		ug/L		114	61 - 152
proz oz ethane	2) .0	2) .6		ug/L		102	)) - 144
Carbon disul3de	2) .0	2) .4		ug/L		102	) 9 - 154
Carbon tetrachloride	2) .0	2) .6		ug/L		102	72 - 154
Chlorobenf ene	2) .0	27.6		ug/L		110	80 - 120
Dibroz ochloroz ethane	2) .0	28.7		ug/L		11)	7) - 12)
Chloroethane	2) .0	2) .5		ug/L		101	69 - 156
Chloro3brz	2) .0	2) .)		ug/L		102	75 - 127
Chloroz ethane	2) .0	25.)		ug/L		94	68 - 124
cis-1,2-Dichloroethene	2) .0	26.6		ug/L		106	74 - 124
cis-1,5-Dichloromromene	2) .0	28.5		ug/L		115	74 - 124
Cyclohexane	2) .0	24.7		ug/L		99	) 9 - 15)
Dichlorodi3uoroz ethane	2) .0	26.1		ug/L		104	) 9 - 15)
Ethylbenf ene	2) .0	27.0		ug/L		108	77 - 125
1,2-Dibroz oethane	2) .0	28.7		ug/L		11)	77 - 120
Isomromylbenf ene	2) .0	2) .5		ug/L		101	77 - 122
(ethyl acetate	) 0.0	) 8.)		ug/L		117	74 - 155
(ethyl tert-butyl ether	2) .0	26.)		ug/L		106	77 - 120
(ethylcyclohexane	2) .0	2) .8		ug/L		105	68 - 154

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

Lab Sample ID: LCS 480-524581/5
Matrix: Water
Analysis Batch: 524581

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
(ethylene Chloride	2) .0	2) .0		ug/L		100	7) - 124
Styrene	2) .0	28.9		ug/L		116	80 - 120
Tetrachloroethene	2) .0	28.1		ug/L		115	74 - 122
Toluene	2) .0	26.7		ug/L		107	80 - 122
trans-1,2-Dichloroethene	2) .0	26.2		ug/L		10)	75 - 127
trans-1,5-Dichloromromene	2) .0	27.)		ug/L		110	80 - 120
Trichloroethene	2) .0	27.0		ug/L		108	74 - 125
Trichloro3uoroz ethane	2) .0	2) .)		ug/L		102	62 - 1) 0
Vinyl chloride	2) .0	24.2		ug/L		97	6) - 155

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: 480-168167-3 MS
Matrix: Water
Analysis Batch: 524581

Client Sample ID: MW-3
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		) 00	486		ug/L		97	75 - 126
1,1,2,2-Tetrachloroethane	ND		) 00	464		ug/L		95	76 - 120
1,1,2-Trichloroethane	ND		) 00	467		ug/L		95	76 - 122
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	ND		) 00	496		ug/L		99	61 - 148
1,1-Dichloroethane	ND		) 00	470		ug/L		94	77 - 120
1,1-Dichloroethene	ND		) 00	469		ug/L		94	66 - 127
1,2,4-Trichlorobenf ene	ND		) 00	494		ug/L		99	79 - 122
1,2-Dibroz o-5-Chloromromane	ND		) 00	419		ug/L		84	) 6 - 154
1,2-Dichlorobenf ene	ND		) 00	47)		ug/L		9)	80 - 124
1,2-Dichloroethane	ND		) 00	479		ug/L		96	7) - 120
1,2-Dichloromromane	ND		) 00	479		ug/L		96	76 - 120
1,5-Dichlorobenf ene	ND		) 00	461		ug/L		92	77 - 120
1,4-Dichlorobenf ene	ND		) 00	470		ug/L		94	78 - 124
2-putanone B(EMK	ND		2) 00	2590		ug/L		96	) 7 - 140
2-Hexanone	ND		2) 00	2160		ug/L		86	6) - 127
4-(ethyl-2-mentanone B(lpMK	ND		2) 00	2220		ug/L		89	71 - 12)
Acetone	ND		2) 00	2490		ug/L		100	) 6 - 142
penf ene	ND		) 00	476		ug/L		9)	71 - 124
proz odichloroz ethane	ND		) 00	485		ug/L		97	80 - 122
proz o3rz	ND		) 00	448		ug/L		90	61 - 152
proz oz ethane	ND		) 00	441		ug/L		88	)) - 144
Carbon disul3de	ND		) 00	47)		ug/L		9)	) 9 - 154
Carbon tetrachloride	ND		) 00	468		ug/L		94	72 - 154
Chlorobenf ene	ND		) 00	471		ug/L		94	80 - 120
Dibroz ochloroz ethane	ND		) 00	478		ug/L		96	7) - 12)
Chloroethane	ND		) 00	449		ug/L		90	69 - 156
Chloro3rz	ND		) 00	467		ug/L		95	75 - 127

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

Lab Sample ID: 480-168167-3 MS
Matrix: Water
Analysis Batch: 524581

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroz ethane	ND		) 00	455		ug/L		87	68 - 124
cis-1,2-Dichloroethene	250		) 00	718		ug/L		97	74 - 124
cis-1,5-Dichloromromene	ND		) 00	48)		ug/L		97	74 - 124
Cyclohexane	ND		) 00	470		ug/L		94	) 9 - 15)
Dichlorodi3uoroz ethane	ND		) 00	472		ug/L		94	) 9 - 15)
Ethylbenf ene	ND		) 00	461		ug/L		92	77 - 125
1,2-Dibroz oethane	ND		) 00	480		ug/L		96	77 - 120
Isomromylbenf ene	ND		) 00	461		ug/L		92	77 - 122
(ethyl acetate	ND		1000	1060		ug/L		106	74 - 155
(ethyl tert-butyl ether	ND		) 00	496		ug/L		99	77 - 120
(ethylcyclohexane	ND		) 00	474		ug/L		9)	68 - 154
(ethylene Chloride	ND		) 00	468		ug/L		94	7) - 124
Styrene	ND		) 00	48)		ug/L		97	80 - 120
Tetrachloroethene	ND		) 00	481		ug/L		96	74 - 122
Toluene	ND		) 00	475		ug/L		9)	80 - 122
trans-1,2-Dichloroethene	ND		) 00	481		ug/L		96	75 - 127
trans-1,5-Dichloromromene	ND		) 00	448		ug/L		90	80 - 120
Trichloroethene	790		) 00	1240		ug/L		90	74 - 125
Trichloro3uoroz ethane	ND		) 00	464		ug/L		95	62 - 1) 0
Vinyl chloride	ND		) 00	44)		ug/L		89	6) - 155

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: 480-168167-3 MSD
Matrix: Water
Analysis Batch: 524581

Client Sample ID: MW-3
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		) 00	470		ug/L		94	75 - 126	5	1)
1,1,2,2-Tetrachloroethane	ND		) 00	484		ug/L		97	76 - 120	4	1)
1,1,2-Trichloroethane	ND		) 00	) 01		ug/L		100	76 - 122	7	1)
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	ND		) 00	480		ug/L		96	61 - 148	5	20
1,1-Dichloroethane	ND		) 00	467		ug/L		95	77 - 120	1	20
1,1-Dichloroethene	ND		) 00	477		ug/L		9)	66 - 127	2	16
1,2,4-Trichlorobenf ene	ND		) 00	499		ug/L		100	79 - 122	1	20
1,2-Dibroz o-5-Chloromromane	ND		) 00	451		ug/L		86	) 6 - 154	5	1)
1,2-Dichlorobenf ene	ND		) 00	479		ug/L		96	80 - 124	1	20
1,2-Dichloroethane	ND		) 00	472		ug/L		94	7) - 120	1	20
1,2-Dichloromromane	ND		) 00	485		ug/L		97	76 - 120	1	20
1,5-Dichlorobenf ene	ND		) 00	464		ug/L		95	77 - 120	1	20
1,4-Dichlorobenf ene	ND		) 00	470		ug/L		94	78 - 124	0	20
2-putanone B(EMK	ND		2) 00	2570		ug/L		9)	) 7 - 140	1	20
2-Hexanone	ND		2) 00	2500		ug/L		92	6) - 127	6	1)
4-(ethyl-2-mentanone B(lpMK	ND		2) 00	2550		ug/L		95	71 - 12)	)	5)

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

Lab Sample ID: 480-168167-3 MSD
Matrix: Water
Analysis Batch: 524581

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		2) 00	2460		ug/L		99	) 6 - 142	1	1)
penf ene	ND		) 00	469		ug/L		94	71 - 124	1	15
proz odichloroz ethane	ND		) 00	488		ug/L		98	80 - 122	1	1)
proz o3orz	ND		) 00	470		ug/L		94	61 - 152	)	1)
proz oz ethane	ND		) 00	45)		ug/L		87	)) - 144	2	1)
Carbon disul3de	ND		) 00	467		ug/L		95	) 9 - 154	2	1)
Carbon tetrachloride	ND		) 00	4) 9		ug/L		92	72 - 154	2	1)
Chlorobenf ene	ND		) 00	486		ug/L		97	80 - 120	5	2)
Dibroz ochloroz ethane	ND		) 00	) 01		ug/L		100	7) - 12)	)	1)
Chloroethane	ND		) 00	456		ug/L		87	69 - 156	5	1)
Chloro3orz	ND		) 00	460		ug/L		92	75 - 127	2	20
Chloroz ethane	ND		) 00	41)		ug/L		85	68 - 124	4	1)
cis-1,2-Dichloroethene	250		) 00	695		ug/L		92	74 - 124	4	1)
cis-1,5-Dichloromromene	ND		) 00	480		ug/L		96	74 - 124	1	1)
Cyclohexane	ND		) 00	4) 7		ug/L		91	) 9 - 15)	5	20
Dichlorodi3uoroz ethane	ND		) 00	4) 6		ug/L		91	) 9 - 15)	5	20
Ethylbenf ene	ND		) 00	474		ug/L		9)	77 - 125	5	1)
1,2-Dibroz oethane	ND		) 00	49)		ug/L		99	77 - 120	5	1)
Isomromylbenf ene	ND		) 00	4) 9		ug/L		92	77 - 122	0	20
(ethyl acetate	ND		1000	10) 0		ug/L		10)	74 - 155	1	20
(ethyl tert-butyl ether	ND		) 00	49)		ug/L		99	77 - 120	0	57
(ethylcyclohexane	ND		) 00	476		ug/L		9)	68 - 154	0	20
(ethylene Chloride	ND		) 00	4) 9		ug/L		92	7) - 124	2	1)
Styrene	ND		) 00	498		ug/L		100	80 - 120	5	20
Tetrachloroethene	ND		) 00	492		ug/L		98	74 - 122	2	20
Toluene	ND		) 00	487		ug/L		97	80 - 122	5	1)
trans-1,2-Dichloroethene	ND		) 00	480		ug/L		96	75 - 127	0	20
trans-1,5-Dichloromromene	ND		) 00	470		ug/L		94	80 - 120	)	1)
Trichloroethene	790		) 00	1200		ug/L		82	74 - 125	5	16
Trichloro3uoroz ethane	ND		) 00	449		ug/L		90	62 - 1) 0	5	20
Vinyl chloride	ND		) 00	452		ug/L		86	6) - 155	5	1)

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: MB 480-524584/7
Matrix: Water
Analysis Batch: 524584

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/20 10:) 7	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/20 10:) 7	1
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L			04/07/20 10:) 7	1
1,1,2-Trichloro-1,2,2-tri3uoroethane	ND		1.0	0.51	ug/L			04/07/20 10:) 7	1
1,1-Dichloroethane	ND		1.0	0.58	ug/L			04/07/20 10:) 7	1

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

Lab Sample ID: MB 480-524584/7
Matrix: Water
Analysis Batch: 524584

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/20 10:) 7	1
1,2,4-Trichlorobenf ene	ND		1.0	0.41	ug/L			04/07/20 10:) 7	1
1,2-Dibroz o-5-Chloromromane	ND		1.0	0.59	ug/L			04/07/20 10:) 7	1
1,2-Dichlorobenf ene	ND		1.0	0.79	ug/L			04/07/20 10:) 7	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/20 10:) 7	1
1,2-Dichloromromane	ND		1.0	0.72	ug/L			04/07/20 10:) 7	1
1,5-Dichlorobenf ene	ND		1.0	0.78	ug/L			04/07/20 10:) 7	1
1,4-Dichlorobenf ene	ND		1.0	0.84	ug/L			04/07/20 10:) 7	1
2-putanone B(EMK	ND		10	1.5	ug/L			04/07/20 10:) 7	1
2-Hexanone	ND		) .0	1.2	ug/L			04/07/20 10:) 7	1
4-(ethyl-2-mentanone B(lpMK	ND		) .0	2.1	ug/L			04/07/20 10:) 7	1
Acetone	ND		10	5.0	ug/L			04/07/20 10:) 7	1
penf ene	ND		1.0	0.41	ug/L			04/07/20 10:) 7	1
proz odichloroz ethane	ND		1.0	0.59	ug/L			04/07/20 10:) 7	1
proz o3brz	ND		1.0	0.26	ug/L			04/07/20 10:) 7	1
proz oz ethane	ND		1.0	0.69	ug/L			04/07/20 10:) 7	1
Carbon disul3de	ND		1.0	0.19	ug/L			04/07/20 10:) 7	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/20 10:) 7	1
Chlorobenf ene	ND		1.0	0.7)	ug/L			04/07/20 10:) 7	1
Dibroz ochloroz ethane	ND		1.0	0.52	ug/L			04/07/20 10:) 7	1
Chloroethane	ND		1.0	0.52	ug/L			04/07/20 10:) 7	1
Chloro3brz	ND		1.0	0.54	ug/L			04/07/20 10:) 7	1
Chloroz ethane	ND		1.0	0.5)	ug/L			04/07/20 10:) 7	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/20 10:) 7	1
cis-1,5-Dichloromromene	ND		1.0	0.56	ug/L			04/07/20 10:) 7	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/20 10:) 7	1
Dichlorodi3uoroz ethane	ND		1.0	0.68	ug/L			04/07/20 10:) 7	1
Ethylbenf ene	ND		1.0	0.74	ug/L			04/07/20 10:) 7	1
1,2-Dibroz oethane	ND		1.0	0.75	ug/L			04/07/20 10:) 7	1
Isomromylbenf ene	ND		1.0	0.79	ug/L			04/07/20 10:) 7	1
(ethyl acetate	ND		2.)	1.5	ug/L			04/07/20 10:) 7	1
(ethyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/20 10:) 7	1
(ethylcyclohexane	ND		1.0	0.16	ug/L			04/07/20 10:) 7	1
(ethylene Chloride	ND		1.0	0.44	ug/L			04/07/20 10:) 7	1
Styrene	ND		1.0	0.75	ug/L			04/07/20 10:) 7	1
Tetrachloroethene	ND		1.0	0.56	ug/L			04/07/20 10:) 7	1
Toluene	ND		1.0	0.) 1	ug/L			04/07/20 10:) 7	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/20 10:) 7	1
trans-1,5-Dichloromromene	ND		1.0	0.57	ug/L			04/07/20 10:) 7	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/20 10:) 7	1
Trichloro3uoroz ethane	ND		1.0	0.88	ug/L			04/07/20 10:) 7	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/20 10:) 7	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/20 10:) 7	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/07/20 10:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/07/20 10:57*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*04/07/20 10:57*	*1*

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

Lab Sample ID: MB 480-524584/7
Matrix: Water
Analysis Batch: 524584

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		75 - 123		04/07/20 10:57	1

Lab Sample ID: LCS 480-524584/5
Matrix: Water
Analysis Batch: 524584

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2) .0	2) .8		ug/L		105	75 - 126
1,1,2,2-Tetrachloroethane	2) .0	25.5		ug/L		95	76 - 120
1,1,2-Trichloroethane	2) .0	24.2		ug/L		97	76 - 122
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	2) .0	25.9		ug/L		96	61 - 148
1,1-Dichloroethane	2) .0	2) .9		ug/L		105	77 - 120
1,1-Dichloroethene	2) .0	2) .2		ug/L		101	66 - 127
1,2,4-Trichlorobenf ene	2) .0	24.2		ug/L		97	79 - 122
1,2-Dibroz o-5-Chloromromane	2) .0	20.9		ug/L		84	) 6 - 154
1,2-Dichlorobenf ene	2) .0	25.9		ug/L		9)	80 - 124
1,2-Dichloroethane	2) .0	2) .2		ug/L		101	7) - 120
1,2-Dichloromromane	2) .0	2) .0		ug/L		100	76 - 120
1,5-Dichlorobenf ene	2) .0	24.0		ug/L		96	77 - 120
1,4-Dichlorobenf ene	2) .0	25.8		ug/L		9)	80 - 120
2-putanone B(EMK	12)	127		ug/L		102	) 7 - 140
2-Hexanone	12)	116		ug/L		95	6) - 127
4-(ethyl-2-mentanone B(lpMK	12)	112		ug/L		90	71 - 12)
Acetone	12)	158		ug/L		110	) 6 - 142
penf ene	2) .0	2) .6		ug/L		102	71 - 124
proz odichloroz ethane	2) .0	2) .2		ug/L		101	80 - 122
proz o3brz	2) .0	25.7		ug/L		9)	61 - 152
proz oz ethane	2) .0	28.5		ug/L		115	)) - 144
Carbon disul3de	2) .0	2) .4		ug/L		101	) 9 - 154
Carbon tetrachloride	2) .0	2) .4		ug/L		102	72 - 154
Chlorobenf ene	2) .0	25.6		ug/L		9)	80 - 120
Dibroz ochloroz ethane	2) .0	25.4		ug/L		94	7) - 12)
Chloroethane	2) .0	29.1		ug/L		116	69 - 156
Chloro3brz	2) .0	2) .0		ug/L		100	75 - 127
Chloroz ethane	2) .0	26.4		ug/L		106	68 - 124
cis-1,2-Dichloroethene	2) .0	2) .9		ug/L		104	74 - 124
cis-1,5-Dichloromromene	2) .0	2) .5		ug/L		101	74 - 124
Cyclohexane	2) .0	25.4		ug/L		94	) 9 - 15)
Dichlorodi3uoroz ethane	2) .0	24.8		ug/L		99	) 9 - 15)
Ethylbenf ene	2) .0	25.7		ug/L		9)	77 - 125
1,2-Dibroz oethane	2) .0	25.6		ug/L		94	77 - 120
Isomromylbenf ene	2) .0	24.2		ug/L		97	77 - 122
(ethyl acetate	) 0.0	47.8		ug/L		96	74 - 155
(ethyl tert-butyl ether	2) .0	2) .6		ug/L		102	77 - 120
(ethylcyclohexane	2) .0	22.8		ug/L		91	68 - 154
(ethylene Chloride	2) .0	24.5		ug/L		97	7) - 124
Styrene	2) .0	24.0		ug/L		96	80 - 120
Tetrachloroethene	2) .0	25.)		ug/L		94	74 - 122

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

Lab Sample ID: LCS 480-524584/5
Matrix: Water
Analysis Batch: 524584

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	2) .0	25.4		ug/L		94	80 - 122
trans-1,2-Dichloroethene	2) .0	2) .)		ug/L		102	75 - 127
trans-1,5-Dichloromromene	2) .0	24.1		ug/L		96	80 - 120
Trichloroethene	2) .0	24.9		ug/L		100	74 - 125
Trichloro3uoroz ethane	2) .0	28.)		ug/L		114	62 - 1) 0
Vinyl chloride	2) .0	28.9		ug/L		116	6) - 155

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: 480-168167-14 MS
Matrix: Water
Analysis Batch: 524584

Client Sample ID: MW-12
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		2) 00	2810		ug/L		115	75 - 126
1,1,2,2-Tetrachloroethane	ND		2) 00	2540		ug/L		94	76 - 120
1,1,2-Trichloroethane	ND		2) 00	2) 90		ug/L		104	76 - 122
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	ND		2) 00	2780		ug/L		111	61 - 148
1,1-Dichloroethane	ND		2) 00	2770		ug/L		111	77 - 120
1,1-Dichloroethene	ND		2) 00	27) 0		ug/L		110	66 - 127
1,2,4-Trichlorobenf ene	ND		2) 00	2180		ug/L		87	79 - 122
1,2-Dibroz o-5-Chloromromane	ND		2) 00	1990		ug/L		80	) 6 - 154
1,2-Dichlorobenf ene	ND		2) 00	2590		ug/L		96	80 - 124
1,2-Dichloroethane	ND		2) 00	2690		ug/L		108	7) - 120
1,2-Dichloromromane	ND		2) 00	2810		ug/L		112	76 - 120
1,5-Dichlorobenf ene	ND		2) 00	2470		ug/L		99	77 - 120
1,4-Dichlorobenf ene	ND		2) 00	2460		ug/L		98	78 - 124
2-putanone B(EMK	ND		12) 00	15400		ug/L		107	) 7 - 140
2-Hexanone	ND		12) 00	12900		ug/L		105	6) - 127
4-(ethyl-2-mentanone B(lpMK	ND		12) 00	11900		ug/L		9)	71 - 12)
Acetone	ND		12) 00	12100		ug/L		97	) 6 - 142
penf ene	ND		2) 00	2840		ug/L		114	71 - 124
proz odichloroz ethane	ND		2) 00	2760		ug/L		110	80 - 122
proz o3brz	ND		2) 00	2450		ug/L		97	61 - 152
proz oz ethane	ND		2) 00	2990		ug/L		120	)) - 144
Carbon disul3de	ND		2) 00	2700		ug/L		108	) 9 - 154
Carbon tetrachloride	ND		2) 00	2900		ug/L		116	72 - 154
Chlorobenf ene	ND		2) 00	2) 70		ug/L		105	80 - 120
Dibroz ochloroz ethane	ND		2) 00	2440		ug/L		98	7) - 12)
Chloroethane	ND		2) 00	5170		ug/L		127	69 - 156
Chloro3brz	ND		2) 00	2680		ug/L		107	75 - 127
Chloroz ethane	ND		2) 00	2740		ug/L		110	68 - 124
cis-1,2-Dichloroethene	100		2) 00	2890		ug/L		111	74 - 124
cis-1,5-Dichloromromene	ND		2) 00	2720		ug/L		109	74 - 124

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

Lab Sample ID: 480-168167-14 MS
Matrix: Water
Analysis Batch: 524584

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	ND		2) 00	2760		ug/L		110	) 9 - 15)
Dichlorodi3uoroz ethane	ND		2) 00	2) 80		ug/L		105	) 9 - 15)
Ethylbenf ene	ND		2) 00	2) 90		ug/L		104	77 - 125
1,2-Dibroz oethane	ND		2) 00	2) 50		ug/L		101	77 - 120
Isomromylbenf ene	ND		2) 00	2490		ug/L		100	77 - 122
(ethyl acetate	ND		) 000	4970		ug/L		99	74 - 155
(ethyl tert-butyl ether	ND		2) 00	2) 70		ug/L		105	77 - 120
(ethylcyclohexane	ND		2) 00	2720		ug/L		109	68 - 154
(ethylene Chloride	ND		2) 00	2) 80		ug/L		105	7) - 124
Styrene	ND		2) 00	26) 0		ug/L		106	80 - 120
Tetrachloroethene	ND		2) 00	2) 40		ug/L		102	74 - 122
Toluene	ND		2) 00	2) 60		ug/L		102	80 - 122
trans-1,2-Dichloroethene	ND		2) 00	2750		ug/L		109	75 - 127
trans-1,5-Dichloromromene	ND		2) 00	2) 50		ug/L		101	80 - 120
Trichloroethene	4900	F1	2) 00	8060	F1	ug/L		127	74 - 125
Trichloro3uoroz ethane	ND		2) 00	5060		ug/L		122	62 - 1) 0
Vinyl chloride	ND		2) 00	50) 0		ug/L		122	6) - 155

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: 480-168167-14 MSD
Matrix: Water
Analysis Batch: 524584

Client Sample ID: MW-12
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		2) 00	2750		ug/L		109	75 - 126	5	1)
1,1,2,2-Tetrachloroethane	ND		2) 00	2440		ug/L		98	76 - 120	4	1)
1,1,2-Trichloroethane	ND		2) 00	2620		ug/L		10)	76 - 122	1	1)
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	ND		2) 00	2710		ug/L		109	61 - 148	2	20
1,1-Dichloroethane	ND		2) 00	2690		ug/L		107	77 - 120	5	20
1,1-Dichloroethene	ND		2) 00	2690		ug/L		108	66 - 127	2	16
1,2,4-Trichlorobenf ene	ND		2) 00	2550		ug/L		95	79 - 122	6	20
1,2-Dibroz o-5-Chloromromane	ND		2) 00	2070		ug/L		85	) 6 - 154	4	1)
1,2-Dichlorobenf ene	ND		2) 00	2) 00		ug/L		100	80 - 124	)	20
1,2-Dichloroethane	ND		2) 00	2620		ug/L		10)	7) - 120	5	20
1,2-Dichloromromane	ND		2) 00	2740		ug/L		110	76 - 120	2	20
1,5-Dichlorobenf ene	ND		2) 00	2) 20		ug/L		101	77 - 120	2	20
1,4-Dichlorobenf ene	ND		2) 00	2)) 0		ug/L		102	78 - 124	5	20
2-putanone B(EMK	ND		12) 00	15500		ug/L		106	) 7 - 140	1	20
2-Hexanone	ND		12) 00	15000		ug/L		104	6) - 127	0	1)
4-(ethyl-2-mentanone B(lpMK	ND		12) 00	12000		ug/L		96	71 - 12)	1	5)
Acetone	ND		12) 00	12800		ug/L		102	) 6 - 142	)	1)
penf ene	ND		2) 00	2780		ug/L		111	71 - 124	2	15
proz odichloroz ethane	ND		2) 00	2670		ug/L		107	80 - 122	5	1)

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

Lab Sample ID: 480-168167-14 MSD
Matrix: Water
Analysis Batch: 524584

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
proz o3rz	ND		2) 00	2) 40		ug/L		101	61 - 152	4	1)
proz oz ethane	ND		2) 00	2820		ug/L		115	)) - 144	6	1)
Carbon disul3de	ND		2) 00	2670		ug/L		107	) 9 - 154	1	1)
Carbon tetrachloride	ND		2) 00	2750		ug/L		109	72 - 154	6	1)
Chlorobenf ene	ND		2) 00	2) 70		ug/L		105	80 - 120	0	2)
Dibroz ochloroz ethane	ND		2) 00	2) 10		ug/L		100	7) - 12)	5	1)
Chloroethane	ND		2) 00	2920		ug/L		117	69 - 156	8	1)
Chloro3rz	ND		2) 00	2600		ug/L		104	75 - 127	5	20
Chloroz ethane	ND		2) 00	2640		ug/L		106	68 - 124	4	1)
cis-1,2-Dichloroethene	100		2) 00	2850		ug/L		109	74 - 124	2	1)
cis-1,5-Dichloromromene	ND		2) 00	2750		ug/L		109	74 - 124	0	1)
Cyclohexane	ND		2) 00	2640		ug/L		106	) 9 - 15)	4	20
Dichlorodi3uoroz ethane	ND		2) 00	2) 60		ug/L		102	) 9 - 15)	1	20
Ethylbenf ene	ND		2) 00	2)) 0		ug/L		102	77 - 125	2	1)
1,2-Dibroz oethane	ND		2) 00	2) 40		ug/L		102	77 - 120	0	1)
Isomromylbenf ene	ND		2) 00	2) 70		ug/L		105	77 - 122	5	20
(ethyl acetate	ND		) 000	4900		ug/L		98	74 - 155	1	20
(ethyl tert-butyl ether	ND		2) 00	2) 70		ug/L		105	77 - 120	0	57
(ethylcyclohexane	ND		2) 00	2600		ug/L		104	68 - 154	4	20
(ethylene Chloride	ND		2) 00	2)) 0		ug/L		102	7) - 124	1	1)
Styrene	ND		2) 00	2620		ug/L		10)	80 - 120	1	20
Tetrachloroethene	ND		2) 00	2)) 0		ug/L		102	74 - 122	0	20
Toluene	ND		2) 00	2) 40		ug/L		102	80 - 122	1	1)
trans-1,2-Dichloroethene	ND		2) 00	2660		ug/L		106	75 - 127	5	20
trans-1,5-Dichloromromene	ND		2) 00	2) 70		ug/L		105	80 - 120	1	1)
Trichloroethene	4900	F1	2) 00	7850		ug/L		118	74 - 125	5	16
Trichloro3uoroz ethane	ND		2) 00	2900		ug/L		116	62 - 1) 0	)	20
Vinyl chloride	ND		2) 00	2950		ug/L		117	6) - 155	4	1)

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: MB 480-524779/7
Matrix: Water
Analysis Batch: 524779

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/08/20 08:) 7	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/08/20 08:) 7	1
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L			04/08/20 08:) 7	1
1,1,2-Trichloro-1,2,2-tri3uoroethane	ND		1.0	0.51	ug/L			04/08/20 08:) 7	1
1,1-Dichloroethane	ND		1.0	0.58	ug/L			04/08/20 08:) 7	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/20 08:) 7	1
1,2,4-Trichlorobenf ene	ND		1.0	0.41	ug/L			04/08/20 08:) 7	1
1,2-Dibroz o-5-Chloromromane	ND		1.0	0.59	ug/L			04/08/20 08:) 7	1

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

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

Lab Sample ID: MB 480-524779/7
Matrix: Water
Analysis Batch: 524779

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenf ene	ND		1.0	0.79	ug/L			04/08/20 08:) 7	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/08/20 08:) 7	1
1,2-Dichloromromane	ND		1.0	0.72	ug/L			04/08/20 08:) 7	1
1,5-Dichlorobenf ene	ND		1.0	0.78	ug/L			04/08/20 08:) 7	1
1,4-Dichlorobenf ene	ND		1.0	0.84	ug/L			04/08/20 08:) 7	1
2-putanone B(EMK	ND		10	1.5	ug/L			04/08/20 08:) 7	1
2-Hexanone	ND		) .0	1.2	ug/L			04/08/20 08:) 7	1
4-(ethyl-2-mentanone B(lpMK	ND		) .0	2.1	ug/L			04/08/20 08:) 7	1
Acetone	ND		10	5.0	ug/L			04/08/20 08:) 7	1
penf ene	ND		1.0	0.41	ug/L			04/08/20 08:) 7	1
proz odichloroz ethane	ND		1.0	0.59	ug/L			04/08/20 08:) 7	1
proz o3brz	ND		1.0	0.26	ug/L			04/08/20 08:) 7	1
proz oz ethane	ND		1.0	0.69	ug/L			04/08/20 08:) 7	1
Carbon disul3de	ND		1.0	0.19	ug/L			04/08/20 08:) 7	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/08/20 08:) 7	1
Chlorobenf ene	ND		1.0	0.7)	ug/L			04/08/20 08:) 7	1
Dibroz ochloroz ethane	ND		1.0	0.52	ug/L			04/08/20 08:) 7	1
Chloroethane	ND		1.0	0.52	ug/L			04/08/20 08:) 7	1
Chloro3brz	ND		1.0	0.54	ug/L			04/08/20 08:) 7	1
Chloroz ethane	ND		1.0	0.5)	ug/L			04/08/20 08:) 7	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/20 08:) 7	1
cis-1,5-Dichloromromene	ND		1.0	0.56	ug/L			04/08/20 08:) 7	1
Cyclohexane	ND		1.0	0.18	ug/L			04/08/20 08:) 7	1
Dichlorodi3uoroz ethane	ND		1.0	0.68	ug/L			04/08/20 08:) 7	1
Ethylbenf ene	ND		1.0	0.74	ug/L			04/08/20 08:) 7	1
1,2-Dibroz oethane	ND		1.0	0.75	ug/L			04/08/20 08:) 7	1
Isomromylbenf ene	ND		1.0	0.79	ug/L			04/08/20 08:) 7	1
(ethyl acetate	ND		2.)	1.5	ug/L			04/08/20 08:) 7	1
(ethyl tert-butyl ether	ND		1.0	0.16	ug/L			04/08/20 08:) 7	1
(ethylcyclohexane	ND		1.0	0.16	ug/L			04/08/20 08:) 7	1
(ethylene Chloride	ND		1.0	0.44	ug/L			04/08/20 08:) 7	1
Styrene	ND		1.0	0.75	ug/L			04/08/20 08:) 7	1
Tetrachloroethene	ND		1.0	0.56	ug/L			04/08/20 08:) 7	1
Toluene	ND		1.0	0.) 1	ug/L			04/08/20 08:) 7	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/20 08:) 7	1
trans-1,5-Dichloromromene	ND		1.0	0.57	ug/L			04/08/20 08:) 7	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/20 08:) 7	1
Trichloro3uoroz ethane	ND		1.0	0.88	ug/L			04/08/20 08:) 7	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/20 08:) 7	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/08/20 08:) 7	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/08/20 08:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*04/08/20 08:57*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*04/08/20 08:57*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*04/08/20 08:57*	*1*

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

Lab Sample ID: LCS 480-524779/5
Matrix: Water
Analysis Batch: 524779

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2).0	24.6		ug/L		98	75 - 126
1,1,2,2-Tetrachloroethane	2).0	26.2		ug/L		10)	76 - 120
1,1,2-Trichloroethane	2).0	26.1		ug/L		10)	76 - 122
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	2).0	26.2		ug/L		10)	61 - 148
1,1-Dichloroethane	2).0	2).1		ug/L		100	77 - 120
1,1-Dichloroethene	2).0	2).2		ug/L		101	66 - 127
1,2,4-Trichlorobenf ene	2).0	28.)		ug/L		114	79 - 122
1,2-Dibroz o-5-Chloromromane	2).0	25.6		ug/L		94	)6 - 154
1,2-Dichlorobenf ene	2).0	27.0		ug/L		108	80 - 124
1,2-Dichloroethane	2).0	24.8		ug/L		99	7) - 120
1,2-Dichloromromane	2).0	26.0		ug/L		104	76 - 120
1,5-Dichlorobenf ene	2).0	26.2		ug/L		10)	77 - 120
1,4-Dichlorobenf ene	2).0	26.5		ug/L		10)	80 - 120
2-putanone B(EMK	12)	220	*	ug/L		176	)7 - 140
2-Hexanone	12)	121		ug/L		97	6) - 127
4-(ethyl-2-mentanone B(lpMK	12)	121		ug/L		97	71 - 12)
Acetone	12)	151		ug/L		104	)6 - 142
penf ene	2).0	2).6		ug/L		105	71 - 124
proz odichloroz ethane	2).0	26.6		ug/L		106	80 - 122
proz o3orz	2).0	22.8		ug/L		91	61 - 152
proz oz ethane	2).0	24.7		ug/L		99	)) - 144
Carbon disul3de	2).0	24.8		ug/L		99	)9 - 154
Carbon tetrachloride	2).0	24.1		ug/L		97	72 - 154
Chlorobenf ene	2).0	26.6		ug/L		106	80 - 120
Dibroz ochloroz ethane	2).0	2).8		ug/L		105	7) - 12)
Chloroethane	2).0	2).)		ug/L		102	69 - 156
Chloro3orz	2).0	24.)		ug/L		98	75 - 127
Chloroz ethane	2).0	25.6		ug/L		9)	68 - 124
cis-1,2-Dichloroethene	2).0	26.2		ug/L		10)	74 - 124
cis-1,5-Dichloromromene	2).0	26.1		ug/L		104	74 - 124
Cyclohexane	2).0	25.7		ug/L		9)	)9 - 15)
Dichlorodi3uoroz ethane	2).0	2).5		ug/L		101	)9 - 15)
Ethylbenf ene	2).0	2).7		ug/L		105	77 - 125
1,2-Dibroz oethane	2).0	26.2		ug/L		10)	77 - 120
Isomromylbenf ene	2).0	26.5		ug/L		10)	77 - 122
(ethyl acetate	)0.0	)8.)		ug/L		117	74 - 155
(ethyl tert-butyl ether	2).0	26.4		ug/L		10)	77 - 120
(ethylcyclohexane	2).0	2).0		ug/L		100	68 - 154
(ethylene Chloride	2).0	24.4		ug/L		98	7) - 124
Styrene	2).0	27.2		ug/L		109	80 - 120
Tetrachloroethene	2).0	27.6		ug/L		111	74 - 122
Toluene	2).0	26.2		ug/L		10)	80 - 122
trans-1,2-Dichloroethene	2).0	2).7		ug/L		105	75 - 127
trans-1,5-Dichloromromene	2).0	2).7		ug/L		105	80 - 120
Trichloroethene	2).0	2).9		ug/L		104	74 - 125
Trichloro3uoroz ethane	2).0	2).5		ug/L		101	62 - 1)0
Vinyl chloride	2).0	24.8		ug/L		99	6) - 155

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

Lab Sample ID: LCS 480-524779/5
Matrix: Water
Analysis Batch: 524779

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	90		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123

Lab Sample ID: 480-168167-2 MS
Matrix: Water
Analysis Batch: 524779

Client Sample ID: MW-2
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		12) 00	10400		ug/L		85	75 - 126
1,1,2,2-Tetrachloroethane	ND		12) 00	10800		ug/L		86	76 - 120
1,1,2-Trichloroethane	ND		12) 00	11400		ug/L		91	76 - 122
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	ND		12) 00	10) 00		ug/L		84	61 - 148
1,1-Dichloroethane	ND		12) 00	10) 00		ug/L		84	77 - 120
1,1-Dichloroethene	ND		12) 00	10) 00		ug/L		84	66 - 127
1,2,4-Trichlorobenf ene	ND		12) 00	11000		ug/L		88	79 - 122
1,2-Dibroz o-5-Chloromromane	ND		12) 00	9740		ug/L		78	) 6 - 154
1,2-Dichlorobenf ene	ND		12) 00	10700		ug/L		86	80 - 124
1,2-Dichloroethane	ND		12) 00	10600		ug/L		8)	7) - 120
1,2-Dichloromromane	ND		12) 00	11100		ug/L		89	76 - 120
1,5-Dichlorobenf ene	ND		12) 00	10600		ug/L		84	77 - 120
1,4-Dichlorobenf ene	ND		12) 00	10700		ug/L		86	78 - 124
2-putanone B(EMK	ND	*	62) 00	) 0) 00		ug/L		81	) 7 - 140
2-Hexanone	ND		62) 00	) 1700		ug/L		85	6) - 127
4-(ethyl-2-rentanone B(lpMK	ND		62) 00	) 2000		ug/L		85	71 - 12)
Acetone	ND		62) 00	) 2700		ug/L		84	) 6 - 142
penf ene	ND		12) 00	10800		ug/L		87	71 - 124
proz odichloroz ethane	ND		12) 00	10900		ug/L		87	80 - 122
proz o3brz	ND		12) 00	9860		ug/L		79	61 - 152
proz oz ethane	ND		12) 00	10500		ug/L		82	)) - 144
Carbon disul3de	ND		12) 00	10200		ug/L		81	) 9 - 154
Carbon tetrachloride	ND		12) 00	10200		ug/L		82	72 - 154
Chlorobenf ene	ND		12) 00	11500		ug/L		90	80 - 120
Dibroz ochloroz ethane	ND		12) 00	11200		ug/L		89	7) - 12)
Chloroethane	ND		12) 00	10500		ug/L		85	69 - 156
Chloro3brz	ND		12) 00	10700		ug/L		86	75 - 127
Chloroz ethane	ND		12) 00	9770		ug/L		78	68 - 124
cis-1,2-Dichloroethene	55000	F1	12) 00	56400	F1	ug/L		27	74 - 124
cis-1,5-Dichloromromene	ND		12) 00	10700		ug/L		86	74 - 124
Cyclohexane	ND		12) 00	10100		ug/L		81	) 9 - 15)
Dichlorodi3uoroz ethane	ND		12) 00	10400		ug/L		85	) 9 - 15)
Ethylbenf ene	ND		12) 00	10800		ug/L		86	77 - 125
1,2-Dibroz oethane	ND		12) 00	11200		ug/L		90	77 - 120
Isomromylbenf ene	ND		12) 00	10) 00		ug/L		84	77 - 122
(ethyl acetate	ND		2) 000	22200		ug/L		89	74 - 155
(ethyl tert-butyl ether	ND		12) 00	10600		ug/L		8)	77 - 120
(ethylcyclohexane	ND		12) 00	10400		ug/L		85	68 - 154

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

Lab Sample ID: 480-168167-2 MS
Matrix: Water
Analysis Batch: 524779

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
(ethylene Chloride	ND		12) 00	10) 00		ug/L		84	7) - 124
Styrene	ND		12) 00	11400		ug/L		91	80 - 120
Tetrachloroethene	ND		12) 00	11500		ug/L		90	74 - 122
Toluene	ND		12) 00	11100		ug/L		89	80 - 122
trans-1,2-Dichloroethene	ND		12) 00	10900		ug/L		87	75 - 127
trans-1,5-Dichloromromene	ND		12) 00	10) 00		ug/L		84	80 - 120
Trichloroethene	ND		12) 00	10700		ug/L		8)	74 - 125
Trichloro3uoroz ethane	ND		12) 00	10500		ug/L		82	62 - 1) 0
Vinyl chloride	55000	F1	12) 00	56700	F1	ug/L		26	6) - 155

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

Lab Sample ID: 480-168167-2 MSD
Matrix: Water
Analysis Batch: 524779

Client Sample ID: MW-2
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		12) 00	10200		ug/L		81	75 - 126	2	1)
1,1,2,2-Tetrachloroethane	ND		12) 00	10700		ug/L		86	76 - 120	0	1)
1,1,2-Trichloroethane	ND		12) 00	10800		ug/L		86	76 - 122	6	1)
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	ND		12) 00	10500		ug/L		82	61 - 148	2	20
1,1-Dichloroethane	ND		12) 00	10100		ug/L		81	77 - 120	4	20
1,1-Dichloroethene	ND		12) 00	10000		ug/L		80	66 - 127	)	16
1,2,4-Trichlorobenf ene	ND		12) 00	10900		ug/L		87	79 - 122	1	20
1,2-Dibroz o-5-Chloromromane	ND		12) 00	9520		ug/L		7)	) 6 - 154	4	1)
1,2-Dichlorobenf ene	ND		12) 00	10400		ug/L		85	80 - 124	5	20
1,2-Dichloroethane	ND		12) 00	10500		ug/L		82	7) - 120	4	20
1,2-Dichloromromane	ND		12) 00	10700		ug/L		8)	76 - 120	4	20
1,5-Dichlorobenf ene	ND		12) 00	10200		ug/L		81	77 - 120	4	20
1,4-Dichlorobenf ene	ND		12) 00	10500		ug/L		85	78 - 124	4	20
2-putanone B(EMK	ND	*	62) 00	) 2500		ug/L		84	) 7 - 140	4	20
2-Hexanone	ND		62) 00	) 0900		ug/L		81	6) - 127	1	1)
4-(ethyl-2-mentanone B(lpMK	ND		62) 00	) 1200		ug/L		82	71 - 12)	2	5)
Acetone	ND		62) 00	) 2600		ug/L		84	) 6 - 142	0	1)
penf ene	ND		12) 00	10500		ug/L		85	71 - 124	)	15
proz odichloroz ethane	ND		12) 00	10700		ug/L		8)	80 - 122	2	1)
proz o3brz	ND		12) 00	9910		ug/L		79	61 - 152	1	1)
proz oz ethane	ND		12) 00	9800		ug/L		78	)) - 144	)	1)
Carbon disul3de	ND		12) 00	9910		ug/L		79	) 9 - 154	5	1)
Carbon tetrachloride	ND		12) 00	9820		ug/L		79	72 - 154	4	1)
Chlorobenf ene	ND		12) 00	10) 00		ug/L		84	80 - 120	7	2)
Dibroz ochloroz ethane	ND		12) 00	11000		ug/L		88	7) - 12)	2	1)
Chloroethane	ND		12) 00	9990		ug/L		80	69 - 156	5	1)
Chloro3brz	ND		12) 00	99) 0		ug/L		80	75 - 127	7	20

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

Lab Sample ID: 480-168167-2 MSD
Matrix: Water
Analysis Batch: 524779

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroz ethane	ND		12) 00	9260		ug/L		74	68 - 124	)	1)
cis-1,2-Dichloroethene	55000	F1	12) 00	5) 700	F1	ug/L		21	74 - 124	2	1)
cis-1,5-Dichloromromene	ND		12) 00	10) 00		ug/L		84	74 - 124	2	1)
Cyclohexane	ND		12) 00	9840		ug/L		79	) 9 - 15)	5	20
Dichlorodi3uoroz ethane	ND		12) 00	9710		ug/L		78	) 9 - 15)	6	20
Ethylbenf ene	ND		12) 00	10500		ug/L		82	77 - 125	)	1)
1,2-Dibroz oethane	ND		12) 00	10700		ug/L		8)	77 - 120	)	1)
Isomromylbenf ene	ND		12) 00	10200		ug/L		82	77 - 122	5	20
(ethyl acetate	ND		2) 000	25900		ug/L		96	74 - 155	7	20
(ethyl tert-butyl ether	ND		12) 00	10) 00		ug/L		84	77 - 120	1	57
(ethylcyclohexane	ND		12) 00	10000		ug/L		80	68 - 154	4	20
(ethylene Chloride	ND		12) 00	10100		ug/L		81	7) - 124	)	1)
Styrene	ND		12) 00	10900		ug/L		87	80 - 120	4	20
Tetrachloroethene	ND		12) 00	10600		ug/L		8)	74 - 122	7	20
Toluene	ND		12) 00	10) 00		ug/L		84	80 - 122	)	1)
trans-1,2-Dichloroethene	ND		12) 00	10400		ug/L		85	75 - 127	)	20
trans-1,5-Dichloromromene	ND		12) 00	10200		ug/L		82	80 - 120	5	1)
Trichloroethene	ND		12) 00	10500		ug/L		85	74 - 125	5	16
Trichloro3uoroz ethane	ND		12) 00	9860		ug/L		79	62 - 1) 0	4	20
Vinyl chloride	55000	F1	12) 00	5) 500	F1	ug/L		14	6) - 155	4	1)

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: MB 480-524795/7
Matrix: Water
Analysis Batch: 524795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/08/20 10:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/08/20 10:45	1
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L			04/08/20 10:45	1
1,1,2-Trichloro-1,2,2-tri3uoroethane	ND		1.0	0.51	ug/L			04/08/20 10:45	1
1,1-Dichloroethane	ND		1.0	0.58	ug/L			04/08/20 10:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/20 10:45	1
1,2,4-Trichlorobenf ene	ND		1.0	0.41	ug/L			04/08/20 10:45	1
1,2-Dibroz o-5-Chloromromane	ND		1.0	0.59	ug/L			04/08/20 10:45	1
1,2-Dichlorobenf ene	ND		1.0	0.79	ug/L			04/08/20 10:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/08/20 10:45	1
1,2-Dichloromromane	ND		1.0	0.72	ug/L			04/08/20 10:45	1
1,5-Dichlorobenf ene	ND		1.0	0.78	ug/L			04/08/20 10:45	1
1,4-Dichlorobenf ene	ND		1.0	0.84	ug/L			04/08/20 10:45	1
2-putanone B(EMK	ND		10	1.5	ug/L			04/08/20 10:45	1
2-Hexanone	ND		) .0	1.2	ug/L			04/08/20 10:45	1
4-(ethyl-2-mentanone B(lpMK	ND		) .0	2.1	ug/L			04/08/20 10:45	1

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

Lab Sample ID: MB 480-524795/7
Matrix: Water
Analysis Batch: 524795

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	5.0	ug/L			04/08/20 10:45	1
penf ene	ND		1.0	0.41	ug/L			04/08/20 10:45	1
proz odichloroz ethane	ND		1.0	0.59	ug/L			04/08/20 10:45	1
proz o3orz	ND		1.0	0.26	ug/L			04/08/20 10:45	1
proz oz ethane	ND		1.0	0.69	ug/L			04/08/20 10:45	1
Carbon disul3de	ND		1.0	0.19	ug/L			04/08/20 10:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/08/20 10:45	1
Chlorobenf ene	ND		1.0	0.7)	ug/L			04/08/20 10:45	1
Dibroz ochloroz ethane	ND		1.0	0.52	ug/L			04/08/20 10:45	1
Chloroethane	ND		1.0	0.52	ug/L			04/08/20 10:45	1
Chloro3orz	ND		1.0	0.54	ug/L			04/08/20 10:45	1
Chloroz ethane	ND		1.0	0.5)	ug/L			04/08/20 10:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/20 10:45	1
cis-1,5-Dichloromromene	ND		1.0	0.56	ug/L			04/08/20 10:45	1
Cyclohexane	ND		1.0	0.18	ug/L			04/08/20 10:45	1
Dichlorodi3uoroz ethane	ND		1.0	0.68	ug/L			04/08/20 10:45	1
Ethylbenf ene	ND		1.0	0.74	ug/L			04/08/20 10:45	1
1,2-Dibroz oethane	ND		1.0	0.75	ug/L			04/08/20 10:45	1
Isomromylbenf ene	ND		1.0	0.79	ug/L			04/08/20 10:45	1
(ethyl acetate	ND		2.)	1.5	ug/L			04/08/20 10:45	1
(ethyl tert-butyl ether	ND		1.0	0.16	ug/L			04/08/20 10:45	1
(ethylcyclohexane	ND		1.0	0.16	ug/L			04/08/20 10:45	1
(ethylene Chloride	ND		1.0	0.44	ug/L			04/08/20 10:45	1
Styrene	ND		1.0	0.75	ug/L			04/08/20 10:45	1
Tetrachloroethene	ND		1.0	0.56	ug/L			04/08/20 10:45	1
Toluene	ND		1.0	0.) 1	ug/L			04/08/20 10:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/20 10:45	1
trans-1,5-Dichloromromene	ND		1.0	0.57	ug/L			04/08/20 10:45	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/20 10:45	1
Trichloro3uoroz ethane	ND		1.0	0.88	ug/L			04/08/20 10:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/20 10:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/08/20 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/08/20 10:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/08/20 10:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/08/20 10:43*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/08/20 10:43*	*1*

Lab Sample ID: LCS 480-524795/5
Matrix: Water
Analysis Batch: 524795

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2) .0	26.4		ug/L		106	75 - 126
1,1,2,2-Tetrachloroethane	2) .0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	2) .0	2) .4		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	2) .0	26.7		ug/L		107	61 - 148

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

Lab Sample ID: LCS 480-524795/5
Matrix: Water
Analysis Batch: 524795

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2) .0	2) .)		ug/L		102	77 - 120
1,1-Dichloroethene	2) .0	26.7		ug/L		107	66 - 127
1,2,4-Trichlorobenf ene	2) .0	25.7		ug/L		9)	79 - 122
1,2-Dibroz o-5-Chloromromane	2) .0	21.4		ug/L		86	) 6 - 154
1,2-Dichlorobenf ene	2) .0	2) .1		ug/L		100	80 - 124
1,2-Dichloroethane	2) .0	2) .0		ug/L		100	7) - 120
1,2-Dichloromromane	2) .0	26.7		ug/L		107	76 - 120
1,5-Dichlorobenf ene	2) .0	26.0		ug/L		104	77 - 120
1,4-Dichlorobenf ene	2) .0	26.0		ug/L		104	80 - 120
2-putanone B(EMK	12)	127		ug/L		102	) 7 - 140
2-Hexanone	12)	124		ug/L		99	6) - 127
4-(ethyl-2-mentanone B(lpMK	12)	11)		ug/L		92	71 - 12)
Acetone	12)	121		ug/L		97	) 6 - 142
penf ene	2) .0	26.7		ug/L		107	71 - 124
proz odichloroz ethane	2) .0	2) .8		ug/L		105	80 - 122
proz o3brz	2) .0	24.5		ug/L		97	61 - 152
proz oz ethane	2) .0	27.5		ug/L		109	)) - 144
Carbon disul3de	2) .0	26.1		ug/L		10)	) 9 - 154
Carbon tetrachloride	2) .0	27.0		ug/L		108	72 - 154
Chlorobenf ene	2) .0	2) .5		ug/L		101	80 - 120
Dibroz ochloroz ethane	2) .0	24.4		ug/L		98	7) - 12)
Chloroethane	2) .0	28.5		ug/L		115	69 - 156
Chloro3brz	2) .0	24.9		ug/L		100	75 - 127
Chloroz ethane	2) .0	26.1		ug/L		104	68 - 124
cis-1,2-Dichloroethene	2) .0	2) .8		ug/L		105	74 - 124
cis-1,5-Dichloromromene	2) .0	27.1		ug/L		108	74 - 124
Cyclohexane	2) .0	26.5		ug/L		10)	) 9 - 15)
Dichlorodi3uoroz ethane	2) .0	2) .0		ug/L		100	) 9 - 15)
Ethylbenf ene	2) .0	2) .6		ug/L		102	77 - 125
1,2-Dibroz oethane	2) .0	2) .5		ug/L		101	77 - 120
Isomromylbenf ene	2) .0	26.4		ug/L		106	77 - 122
(ethyl acetate	) 0.0	47.8		ug/L		96	74 - 155
(ethyl tert-butyl ether	2) .0	24.9		ug/L		100	77 - 120
(ethylcyclohexane	2) .0	26.5		ug/L		10)	68 - 154
(ethylene Chloride	2) .0	24.4		ug/L		98	7) - 124
Styrene	2) .0	2) .)		ug/L		102	80 - 120
Tetrachloroethene	2) .0	2) .4		ug/L		101	74 - 122
Toluene	2) .0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	2) .0	26.0		ug/L		104	75 - 127
trans-1,5-Dichloromromene	2) .0	2) .7		ug/L		105	80 - 120
Trichloroethene	2) .0	26.5		ug/L		10)	74 - 125
Trichloro3uoroz ethane	2) .0	27.7		ug/L		111	62 - 1) 0
Vinyl chloride	2) .0	28.)		ug/L		114	6) - 155

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*

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

Lab Sample ID: LCS 480-524795/5
Matrix: Water
Analysis Batch: 524795

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	106		75 - 123

Lab Sample ID: MB 480-525015/7
Matrix: Water
Analysis Batch: 525015

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/09/20 10:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/09/20 10:40	1
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L			04/09/20 10:40	1
1,1,2-Trichloro-1,2,2-tri3uoroethane	ND		1.0	0.51	ug/L			04/09/20 10:40	1
1,1-Dichloroethane	ND		1.0	0.58	ug/L			04/09/20 10:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/09/20 10:40	1
1,2,4-Trichlorobenf ene	ND		1.0	0.41	ug/L			04/09/20 10:40	1
1,2-Dibroz o-5-Chloromromane	ND		1.0	0.59	ug/L			04/09/20 10:40	1
1,2-Dichlorobenf ene	ND		1.0	0.79	ug/L			04/09/20 10:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/09/20 10:40	1
1,2-Dichloromromane	ND		1.0	0.72	ug/L			04/09/20 10:40	1
1,5-Dichlorobenf ene	ND		1.0	0.78	ug/L			04/09/20 10:40	1
1,4-Dichlorobenf ene	ND		1.0	0.84	ug/L			04/09/20 10:40	1
2-putanone B(EMK	ND		10	1.5	ug/L			04/09/20 10:40	1
2-Hexanone	ND		).0	1.2	ug/L			04/09/20 10:40	1
4-(ethyl-2-mentanone B(lpMK	ND		).0	2.1	ug/L			04/09/20 10:40	1
Acetone	ND		10	5.0	ug/L			04/09/20 10:40	1
penf ene	ND		1.0	0.41	ug/L			04/09/20 10:40	1
proz odichloroz ethane	ND		1.0	0.59	ug/L			04/09/20 10:40	1
proz o3orz	ND		1.0	0.26	ug/L			04/09/20 10:40	1
proz oz ethane	ND		1.0	0.69	ug/L			04/09/20 10:40	1
Carbon disul3de	ND		1.0	0.19	ug/L			04/09/20 10:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/09/20 10:40	1
Chlorobenf ene	ND		1.0	0.7)	ug/L			04/09/20 10:40	1
Dibroz ochloroz ethane	ND		1.0	0.52	ug/L			04/09/20 10:40	1
Chloroethane	ND		1.0	0.52	ug/L			04/09/20 10:40	1
Chloro3orz	ND		1.0	0.54	ug/L			04/09/20 10:40	1
Chloroz ethane	ND		1.0	0.5)	ug/L			04/09/20 10:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/09/20 10:40	1
cis-1,5-Dichloromromene	ND		1.0	0.56	ug/L			04/09/20 10:40	1
Cyclohexane	ND		1.0	0.18	ug/L			04/09/20 10:40	1
Dichlorodi3uoroz ethane	ND		1.0	0.68	ug/L			04/09/20 10:40	1
Ethylbenf ene	ND		1.0	0.74	ug/L			04/09/20 10:40	1
1,2-Dibroz oethane	ND		1.0	0.75	ug/L			04/09/20 10:40	1
Isomromylbenf ene	ND		1.0	0.79	ug/L			04/09/20 10:40	1
(ethyl acetate	ND		2.)	1.5	ug/L			04/09/20 10:40	1
(ethyl tert-butyl ether	ND		1.0	0.16	ug/L			04/09/20 10:40	1
(ethylcyclohexane	ND		1.0	0.16	ug/L			04/09/20 10:40	1
(ethylene Chloride	ND		1.0	0.44	ug/L			04/09/20 10:40	1
Styrene	ND		1.0	0.75	ug/L			04/09/20 10:40	1
Tetrachloroethene	ND		1.0	0.56	ug/L			04/09/20 10:40	1

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

Lab Sample ID: MB 480-525015/7
Matrix: Water
Analysis Batch: 525015

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.) 1	ug/L			04/09/20 10:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/09/20 10:40	1
trans-1,5-Dichloromromene	ND		1.0	0.57	ug/L			04/09/20 10:40	1
Trichloroethene	ND		1.0	0.46	ug/L			04/09/20 10:40	1
Trichloro3uoroz ethane	ND		1.0	0.88	ug/L			04/09/20 10:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/09/20 10:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/09/20 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*80 - 120*		*04/09/20 10:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*04/09/20 10:40*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/09/20 10:40*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*04/09/20 10:40*	*1*

Lab Sample ID: LCS 480-525015/5
Matrix: Water
Analysis Batch: 525015

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2) .0	2) .1		ug/L		100	75 - 126
1,1,2,2-Tetrachloroethane	2) .0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	2) .0	24.9		ug/L		100	76 - 122
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	2) .0	2) .2		ug/L		101	61 - 148
1,1-Dichloroethane	2) .0	2) .5		ug/L		101	77 - 120
1,1-Dichloroethene	2) .0	2) .8		ug/L		105	66 - 127
1,2,4-Trichlorobenf ene	2) .0	24.4		ug/L		98	79 - 122
1,2-Dibroz o-5-Chloromromane	2) .0	20.8		ug/L		85	) 6 - 154
1,2-Dichlorobenf ene	2) .0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	2) .0	24.4		ug/L		98	7) - 120
1,2-Dichloromromane	2) .0	2) .8		ug/L		105	76 - 120
1,5-Dichlorobenf ene	2) .0	2) .)		ug/L		102	77 - 120
1,4-Dichlorobenf ene	2) .0	24.9		ug/L		100	80 - 120
2-putanone B(EMK	12)	126		ug/L		101	) 7 - 140
2-Hexanone	12)	119		ug/L		9)	6) - 127
4-(ethyl-2-mentanone B(lpMK	12)	115		ug/L		90	71 - 12)
Acetone	12)	15)		ug/L		108	) 6 - 142
penf ene	2) .0	26.1		ug/L		104	71 - 124
proz odichloroz ethane	2) .0	24.8		ug/L		99	80 - 122
proz o3brz	2) .0	25.2		ug/L		95	61 - 152
proz oz ethane	2) .0	27.2		ug/L		109	)) - 144
Carbon disul3de	2) .0	2) .6		ug/L		102	) 9 - 154
Carbon tetrachloride	2) .0	2) .1		ug/L		100	72 - 154
Chlorobenf ene	2) .0	24.6		ug/L		98	80 - 120
Dibroz ochloroz ethane	2) .0	25.6		ug/L		94	7) - 12)
Chloroethane	2) .0	28.1		ug/L		112	69 - 156
Chloro3brz	2) .0	24.)		ug/L		98	75 - 127
Chloroz ethane	2) .0	2) .7		ug/L		105	68 - 124
cis-1,2-Dichloroethene	2) .0	2) .9		ug/L		104	74 - 124

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

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

Lab Sample ID: LCS 480-525015/5
Matrix: Water
Analysis Batch: 525015

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,5-Dichloromromene	2) .0	2) .4		ug/L		101	74 - 124
Cyclohexane	2) .0	24.6		ug/L		99	) 9 - 15)
Dichlorodi3uoroz ethane	2) .0	22.1		ug/L		89	) 9 - 15)
Ethylbenf ene	2) .0	24.)		ug/L		98	77 - 125
1,2-Dibroz oethane	2) .0	24.6		ug/L		98	77 - 120
Isomromylbenf ene	2) .0	2) .2		ug/L		101	77 - 122
(ethyl acetate	) 0.0	46.5		ug/L		95	74 - 155
(ethyl tert-butyl ether	2) .0	24.9		ug/L		99	77 - 120
(ethylcyclohexane	2) .0	24.8		ug/L		99	68 - 154
(ethylene Chloride	2) .0	24.7		ug/L		99	7) - 124
Styrene	2) .0	24.8		ug/L		99	80 - 120
Tetrachloroethene	2) .0	24.8		ug/L		99	74 - 122
Toluene	2) .0	24.6		ug/L		98	80 - 122
trans-1,2-Dichloroethene	2) .0	2) .)		ug/L		102	75 - 127
trans-1,5-Dichloromromene	2) .0	24.4		ug/L		98	80 - 120
Trichloroethene	2) .0	2) .5		ug/L		101	74 - 125
Trichloro3uoroz ethane	2) .0	26.7		ug/L		107	62 - 1) 0
Vinyl chloride	2) .0	28.)		ug/L		114	6) - 155

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*108*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*

GC/MS VOA

Analysis Batch: 524581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168167-1	MW-1	Total/NA	Water	8260C	
480-168167-3	MW-3	Total/NA	Water	8260C	
480-168167-4	MW-4	Total/NA	Water	8260C	
480-168167-5	MW-4D	Total/NA	Water	8260C	
480-168167-6	MW-5	Total/NA	Water	8260C	
480-168167-7	MW-5D	Total/NA	Water	8260C	
MB 480-524581/7	Method Blank	Total/NA	Water	8260C	
LCS 480-524581/5	Lab Control Sample	Total/NA	Water	8260C	
480-168167-3 MS	MW-3	Total/NA	Water	8260C	
480-168167-3 MSD	MW-3	Total/NA	Water	8260C	

Analysis Batch: 524584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168167-8	MW-6	Total/NA	Water	8260C	
480-168167-9	MW-7	Total/NA	Water	8260C	
480-168167-10	MW-8	Total/NA	Water	8260C	
480-168167-11	MW-9R	Total/NA	Water	8260C	
480-168167-12	MW-10	Total/NA	Water	8260C	
480-168167-14	MW-12	Total/NA	Water	8260C	
480-168167-15	MW-13	Total/NA	Water	8260C	
480-168167-16	MW-14	Total/NA	Water	8260C	
480-168167-18	TRP BLANK	Total/NA	Water	8260C	
MB 480-524584/7	Method Blank	Total/NA	Water	8260C	
LCS 480-524584/5	Lab Control Sample	Total/NA	Water	8260C	
480-168167-14 MS	MW-12	Total/NA	Water	8260C	
480-168167-14 MSD	MW-12	Total/NA	Water	8260C	

Analysis Batch: 524779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168167-2	MW-2	Total/NA	Water	8260C	
MB 480-524779/7	Method Blank	Total/NA	Water	8260C	
LCS 480-524779/5	Lab Control Sample	Total/NA	Water	8260C	
480-168167-2 MS	MW-2	Total/NA	Water	8260C	
480-168167-2 MSD	MW-2	Total/NA	Water	8260C	

Analysis Batch: 524795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168167-13	MW-11R	Total/NA	Water	8260C	
MB 480-524795/7	Method Blank	Total/NA	Water	8260C	
LCS 480-524795/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 525015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-168167-17	DUP-A	Total/NA	Water	8260C	
MB 480-525015/7	Method Blank	Total/NA	Water	8260C	
LCS 480-525015/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Client Sample ID: MW-1
Date Collected: 04/01/20 09:00
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	524581	04/07/20 15:25	AMM	TAL BUF

Client Sample ID: MW-2
Date Collected: 04/01/20 10:30
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	524779	04/08/20 09:34	LCH	TAL BUF

Client Sample ID: MW-3
Date Collected: 04/01/20 12:10
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	524581	04/07/20 16:13	AMM	TAL BUF

Client Sample ID: MW-4
Date Collected: 04/01/20 14:10
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	524581	04/07/20 16:38	AMM	TAL BUF

Client Sample ID: MW-4D
Date Collected: 04/01/20 13:40
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	524581	04/07/20 17:02	AMM	TAL BUF

Client Sample ID: MW-5
Date Collected: 04/01/20 15:15
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	524581	04/07/20 17:26	AMM	TAL BUF

Client Sample ID: MW-5D
Date Collected: 04/01/20 16:15
Date Received: 04/03/20 14:00

Lab Sample ID: 480-168167-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	524581	04/07/20 17:50	AMM	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-6
Lab Sample ID: 480-168167-8
Date Collected: 04/02/20 08:50
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	524584	04/07/20 14:21	CRL	TAL BUF

Client Sample ID: MW-7
Lab Sample ID: 480-168167-9
Date Collected: 04/02/20 09:20
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	524584	04/07/20 14:45	CRL	TAL BUF

Client Sample ID: MW-8
Lab Sample ID: 480-168167-10
Date Collected: 04/02/20 13:30
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	524584	04/07/20 15:10	CRL	TAL BUF

Client Sample ID: MW-9R
Lab Sample ID: 480-168167-11
Date Collected: 04/02/20 16:10
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	524584	04/07/20 15:34	CRL	TAL BUF

Client Sample ID: MW-10
Lab Sample ID: 480-168167-12
Date Collected: 04/02/20 14:40
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	524584	04/07/20 15:59	CRL	TAL BUF

Client Sample ID: MW-11R
Lab Sample ID: 480-168167-13
Date Collected: 04/03/20 09:00
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	524795	04/08/20 11:28	CRL	TAL BUF

Client Sample ID: MW-12
Lab Sample ID: 480-168167-14
Date Collected: 04/02/20 11:30
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	524584	04/07/20 16:47	CRL	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Client Sample ID: MW-13
Lab Sample ID: 480-168167-15
Date Collected: 04/03/20 10:30
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		80	524584	04/07/20 17:12	CRL	TAL BUF

Client Sample ID: MW-14
Lab Sample ID: 480-168167-16
Date Collected: 04/03/20 11:30
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	524584	04/07/20 17:36	CRL	TAL BUF

Client Sample ID: DUP-A
Lab Sample ID: 480-168167-17
Date Collected: 04/03/20 00:00
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	525015	04/09/20 11:13	OMI	TAL BUF

Client Sample ID: TRP BLANK
Lab Sample ID: 480-168167-18
Date Collected: 04/03/20 00:00
Matrix: Water
Date Received: 04/03/20 14:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	524584	04/07/20 18:24	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-168167-1
Project/Site: Frewsburg Site #907016

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-168167-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-168167-1	MW-1	Water	04/01/20 09:00	04/03/20 14:00	
480-168167-2	MW-2	Water	04/01/20 10:30	04/03/20 14:00	
480-168167-3	MW-3	Water	04/01/20 12:10	04/03/20 14:00	
480-168167-4	MW-4	Water	04/01/20 14:10	04/03/20 14:00	
480-168167-5	MW-4D	Water	04/01/20 13:40	04/03/20 14:00	
480-168167-6	MW-5	Water	04/01/20 15:15	04/03/20 14:00	
480-168167-7	MW-5D	Water	04/01/20 16:15	04/03/20 14:00	
480-168167-8	MW-6	Water	04/02/20 08:50	04/03/20 14:00	
480-168167-9	MW-7	Water	04/02/20 09:20	04/03/20 14:00	
480-168167-10	MW-8	Water	04/02/20 13:30	04/03/20 14:00	
480-168167-11	MW-9R	Water	04/02/20 16:10	04/03/20 14:00	
480-168167-12	MW-10	Water	04/02/20 14:40	04/03/20 14:00	
480-168167-13	MW-11R	Water	04/03/20 09:00	04/03/20 14:00	
480-168167-14	MW-12	Water	04/02/20 11:30	04/03/20 14:00	
480-168167-15	MW-13	Water	04/03/20 10:30	04/03/20 14:00	
480-168167-16	MW-14	Water	04/03/20 11:30	04/03/20 14:00	
480-168167-17	DUP-A	Water	04/03/20 00:00	04/03/20 14:00	
480-168167-18	TRP BLANK	Water	04/03/20 00:00	04/03/20 14:00	

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Client Contact	**Maurice Moore**	**Site Contact: Tom Palmer (GES)**	**Date:**
NYSDEC-Region 9	**Tel/Fax: (716) 851-7220**	**Lab Contact: Orlette**	COC No: 1 of 2 COCs
270 Michigan Avenue	**Analysis Turnaround Time**		Sampler:
Buffalo, NY 14203	☐ CALENDAR DAYS ☑ WORKING DAYS		**For Lab Use Only:**
716-851-7220 Phone	Custom TAT: 10 days		Walk-in Client:
FAX	☐ 2 weeks		Lab Sampling:
Project Name: DEC Frewsburg, 300 Falconer Street	☐ 1 week		
Site No.: 907016 (GES Project #0901685)	☐ 2 days		Job / SDG No.:
Contract #:	☐ 1 day		

480-168167 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C - TCLVOCs OLM04.2 list			MS/MSD	Sample Specific Notes:
MW-1	4/1	900	G	W	3	N		X				
MW-2	4/1	1030	G	W	3	N		X				
MW-3	4/1	1210	G	W	9	N	X	X			X	
MW-4	4/1	1410	G	W	3	N		X				
MW-4D	4/1	1340	G	W	3	N		X				
MW-5	4/1	1515	G	W	3	N		X				
MW-5D	4/1	1615	G	W	3	N		X				
MW-6	4/2	850	G	W	3	N		X				
MW-7	4/2	920	G	W	3	N		X				
MW-8	4/2	1330	G	W	3	N		X				
MW-9R	4/2	1610	G	W	3	N		X				
MW-10	4/2	1440	G	W	3	N		X				

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ______

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☑Disposal by Lab ☐Archive for ______ Months

Special Instructions/QC Requirements & Comments:

Category B Deliverable, NYSDEC Equis

Custody Seals Intact:	Custody Seal No.:		Cooler Temp. (°C): Obs'd: 3.9 Corr'd: ______ Therm ID No.: #1, ICE		
Relinquished by: Joe Hallik	Company: GES	Date/Time: 4/3 1400	Received by: Nicholas Cicolella	Company: TA	Date/Time: 4/3/20 1400
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Client Contact	Maurice Moore	Site Contact: Tom Palmer (GES)	Date:	COC No:
NYSDEC-Region 9	Tel/Fax: (716) 851-7220	Lab Contact: Orlette Johnson	Carrier:	2 of 2 COCs
270 Michigan Avenue	Analysis Turnaround Time			Sampler:
Buffalo, NY 14203	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
716-851-7220 Phone	Custom TAT: 10 days			Walk-in Client:
FAX	☐ 2 weeks			Lab Sampling:
Project Name: DEC Frewsburg, 300 Falconer Street	☐ 1 week			
Site No.: 907016 (GES Project #0901685)	☐ 2 days			Job / SDG No.:
Contract #:	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C - TCLVOCs OLM04.2 list	MS/MSD	Sample Specific Notes:
MW-11R	4/3	900	G	W	3	N		X		
MW-12	4/2	1130	G	W	3	N		X		
MW-13	4/3	1030	G	W	3	N		X		
MW-14	4/3	1130	G	W	3	N		X		
DUP-A			G	W	3	N		X		
Trip Blank	-	-	-	-		N		X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

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

Special Instructions/QC Requirements & Comments:

Category B Deliverable, NYSDEC Equis

Custody Seals Intact:	Custody Seal No.:	Cooler Temp. (°C): Obs'd: 3.9	Corr'd:	Therm ID No.: #1 ICF

Relinquished by: Joe Halleck	Company: GES, Inc.	Date/Time: 4/3 1400	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Linda	Company: TA	Date/Time: 4/3/20 1400

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-168167-1

Login Number: 168167

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-178861-1
Client Project/Site: Frewsburg Site #907016

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Damianos Skaros

Authorized for release by:
12/15/2020 12:09:54 PM
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@Eurofinset.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
Orlette.Johnson@Eurofinset.com

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Wyatt Watson
Project Management Assistant I
12/15/2020 12:09:54 PM

Table of Contents

Client: New York State D.E.C.
Job ID: 480-178861-1
Project/Site: Frewsburg Site #907016

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Job ID: 480-178861-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-178861-1

Comments
No additional comments.

Receipt
The samples were received on 12/1/2020 4:00 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.6º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2 (480-178861-1), MW-3 (480-178861-2), MW-4 (480-178861-3), MW-9R (480-178861-4), MW-11R (480-178861-5), MW-11R (480-178861-5[MS]), MW-11R (480-178861-5[MSD]), MW-13 (480-178861-6), MW-14 (480-178861-7) and DUP-113020 (480-178861-8). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-2 — Lab Sample ID: 480-178861-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	49000		1000	810	ug/L	1000		8260C	Total/NA
Vinyl chloride	24000		1000	900	ug/L	1000		8260C	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 480-178861-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	100		10	8.1	ug/L	10		8260C	Total/NA
Trichloroethene	540		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 480-178861-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	24000		500	230	ug/L	500		8260C	Total/NA

Client Sample ID: MW-9R — Lab Sample ID: 480-178861-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	820		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	250		20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride	120		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: MW-11R — Lab Sample ID: 480-178861-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	130		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	250	F1	5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 480-178861-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	510		10	8.1	ug/L	10		8260C	Total/NA
Trichloroethene	630		10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride	19		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 480-178861-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1300		40	32	ug/L	40		8260C	Total/NA
Trichloroethene	2000		40	18	ug/L	40		8260C	Total/NA

Client Sample ID: DUP-113020 — Lab Sample ID: 480-178861-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	130		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	260		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-178861-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample ID: MW-2

Date Collected: 12/01/20 11:40
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-1

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		1000	820	ug/L			12/07/20 15:41	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			12/07/20 15:41	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			12/07/20 15:41	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			12/07/20 15:41	1000
1,1-Dichloroethane	ND		1000	380	ug/L			12/07/20 15:41	1000
1,1-Dichloroethene	ND		1000	290	ug/L			12/07/20 15:41	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			12/07/20 15:41	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			12/07/20 15:41	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			12/07/20 15:41	1000
1,2-Dichloroethane	ND		1000	210	ug/L			12/07/20 15:41	1000
1,2-Dichloropropane	ND		1000	720	ug/L			12/07/20 15:41	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			12/07/20 15:41	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			12/07/20 15:41	1000
2-Butanone (MEK)	ND		10000	1300	ug/L			12/07/20 15:41	1000
2-Hexanone	ND		5000	1200	ug/L			12/07/20 15:41	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			12/07/20 15:41	1000
Acetone	ND		10000	3000	ug/L			12/07/20 15:41	1000
Benzene	ND		1000	410	ug/L			12/07/20 15:41	1000
Bromodichloromethane	ND		1000	390	ug/L			12/07/20 15:41	1000
Bromoform	ND		1000	260	ug/L			12/07/20 15:41	1000
Bromomethane	ND		1000	690	ug/L			12/07/20 15:41	1000
Carbon disulfide	ND		1000	190	ug/L			12/07/20 15:41	1000
Carbon tetrachloride	ND		1000	270	ug/L			12/07/20 15:41	1000
Chlorobenzene	ND		1000	750	ug/L			12/07/20 15:41	1000
Dibromochloromethane	ND		1000	320	ug/L			12/07/20 15:41	1000
Chloroethane	ND		1000	320	ug/L			12/07/20 15:41	1000
Chloroform	ND		1000	340	ug/L			12/07/20 15:41	1000
Chloromethane	ND		1000	350	ug/L			12/07/20 15:41	1000
cis-1,2-Dichloroethene	**49000**		1000	810	ug/L			12/07/20 15:41	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			12/07/20 15:41	1000
Cyclohexane	ND		1000	180	ug/L			12/07/20 15:41	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			12/07/20 15:41	1000
Ethylbenzene	ND		1000	740	ug/L			12/07/20 15:41	1000
1,2-Dibromoethane	ND		1000	730	ug/L			12/07/20 15:41	1000
Isopropylbenzene	ND		1000	790	ug/L			12/07/20 15:41	1000
Methyl acetate	ND		2500	1300	ug/L			12/07/20 15:41	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			12/07/20 15:41	1000
Methylcyclohexane	ND		1000	160	ug/L			12/07/20 15:41	1000
Methylene Chloride	ND		1000	440	ug/L			12/07/20 15:41	1000
Styrene	ND		1000	730	ug/L			12/07/20 15:41	1000
Tetrachloroethene	ND		1000	360	ug/L			12/07/20 15:41	1000
Toluene	ND		1000	510	ug/L			12/07/20 15:41	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			12/07/20 15:41	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			12/07/20 15:41	1000
Trichloroethene	ND		1000	460	ug/L			12/07/20 15:41	1000
Trichlorofluoromethane	ND		1000	880	ug/L			12/07/20 15:41	1000
Vinyl chloride	**24000**		1000	900	ug/L			12/07/20 15:41	1000
Xylenes, Total	ND		2000	660	ug/L			12/07/20 15:41	1000

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-2
Date Collected: 12/01/20 11:40
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		12/07/20 15:41	1000
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/07/20 15:41	1000
4-Bromofluorobenzene (Surr)	101		73 - 120		12/07/20 15:41	1000
Dibromofluoromethane (Surr)	102		75 - 123		12/07/20 15:41	1000

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-3
Date Collected: 11/30/20 14:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-2
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		10	8.2	ug/L			12/07/20 16:04	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/07/20 16:04	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/07/20 16:04	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/07/20 16:04	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/07/20 16:04	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/07/20 16:04	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/07/20 16:04	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/07/20 16:04	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/07/20 16:04	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/07/20 16:04	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/07/20 16:04	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/07/20 16:04	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/07/20 16:04	10
2-Butanone (MEK)	ND		100	13	ug/L			12/07/20 16:04	10
2-Hexanone	ND		50	12	ug/L			12/07/20 16:04	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/07/20 16:04	10
Acetone	ND		100	30	ug/L			12/07/20 16:04	10
Benzene	ND		10	4.1	ug/L			12/07/20 16:04	10
Bromodichloromethane	ND		10	3.9	ug/L			12/07/20 16:04	10
Bromoform	ND		10	2.6	ug/L			12/07/20 16:04	10
Bromomethane	ND		10	6.9	ug/L			12/07/20 16:04	10
Carbon disulfide	ND		10	1.9	ug/L			12/07/20 16:04	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/07/20 16:04	10
Chlorobenzene	ND		10	7.5	ug/L			12/07/20 16:04	10
Dibromochloromethane	ND		10	3.2	ug/L			12/07/20 16:04	10
Chloroethane	ND		10	3.2	ug/L			12/07/20 16:04	10
Chloroform	ND		10	3.4	ug/L			12/07/20 16:04	10
Chloromethane	ND		10	3.5	ug/L			12/07/20 16:04	10
cis-1,2-Dichloroethene	**100**		10	8.1	ug/L			12/07/20 16:04	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/07/20 16:04	10
Cyclohexane	ND		10	1.8	ug/L			12/07/20 16:04	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/07/20 16:04	10
Ethylbenzene	ND		10	7.4	ug/L			12/07/20 16:04	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/07/20 16:04	10
Isopropylbenzene	ND		10	7.9	ug/L			12/07/20 16:04	10
Methyl acetate	ND		25	13	ug/L			12/07/20 16:04	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/07/20 16:04	10
Methylcyclohexane	ND		10	1.6	ug/L			12/07/20 16:04	10
Methylene Chloride	ND		10	4.4	ug/L			12/07/20 16:04	10
Styrene	ND		10	7.3	ug/L			12/07/20 16:04	10
Tetrachloroethene	ND		10	3.6	ug/L			12/07/20 16:04	10
Toluene	ND		10	5.1	ug/L			12/07/20 16:04	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/07/20 16:04	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/07/20 16:04	10
Trichloroethene	**540**		10	4.6	ug/L			12/07/20 16:04	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/07/20 16:04	10
Vinyl chloride	ND		10	9.0	ug/L			12/07/20 16:04	10
Xylenes, Total	ND		20	6.6	ug/L			12/07/20 16:04	10

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-3
Date Collected: 11/30/20 14:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		12/07/20 16:04	10
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/07/20 16:04	10
4-Bromofluorobenzene (Surr)	102		73 - 120		12/07/20 16:04	10
Dibromofluoromethane (Surr)	102		75 - 123		12/07/20 16:04	10

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-4

Date Collected: 11/30/20 13:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-3

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		500	410	ug/L			12/07/20 16:28	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			12/07/20 16:28	500
1,1,2-Trichloroethane	ND		500	120	ug/L			12/07/20 16:28	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160	ug/L			12/07/20 16:28	500
1,1-Dichloroethane	ND		500	190	ug/L			12/07/20 16:28	500
1,1-Dichloroethene	ND		500	150	ug/L			12/07/20 16:28	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			12/07/20 16:28	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			12/07/20 16:28	500
1,2-Dichlorobenzene	ND		500	400	ug/L			12/07/20 16:28	500
1,2-Dichloroethane	ND		500	110	ug/L			12/07/20 16:28	500
1,2-Dichloropropane	ND		500	360	ug/L			12/07/20 16:28	500
1,3-Dichlorobenzene	ND		500	390	ug/L			12/07/20 16:28	500
1,4-Dichlorobenzene	ND		500	420	ug/L			12/07/20 16:28	500
2-Butanone (MEK)	ND		5000	660	ug/L			12/07/20 16:28	500
2-Hexanone	ND		2500	620	ug/L			12/07/20 16:28	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			12/07/20 16:28	500
Acetone	ND		5000	1500	ug/L			12/07/20 16:28	500
Benzene	ND		500	210	ug/L			12/07/20 16:28	500
Bromodichloromethane	ND		500	200	ug/L			12/07/20 16:28	500
Bromoform	ND		500	130	ug/L			12/07/20 16:28	500
Bromomethane	ND		500	350	ug/L			12/07/20 16:28	500
Carbon disulfide	ND		500	95	ug/L			12/07/20 16:28	500
Carbon tetrachloride	ND		500	140	ug/L			12/07/20 16:28	500
Chlorobenzene	ND		500	380	ug/L			12/07/20 16:28	500
Dibromochloromethane	ND		500	160	ug/L			12/07/20 16:28	500
Chloroethane	ND		500	160	ug/L			12/07/20 16:28	500
Chloroform	ND		500	170	ug/L			12/07/20 16:28	500
Chloromethane	ND		500	180	ug/L			12/07/20 16:28	500
cis-1,2-Dichloroethene	ND		500	410	ug/L			12/07/20 16:28	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			12/07/20 16:28	500
Cyclohexane	ND		500	90	ug/L			12/07/20 16:28	500
Dichlorodifluoromethane	ND		500	340	ug/L			12/07/20 16:28	500
Ethylbenzene	ND		500	370	ug/L			12/07/20 16:28	500
1,2-Dibromoethane	ND		500	370	ug/L			12/07/20 16:28	500
Isopropylbenzene	ND		500	400	ug/L			12/07/20 16:28	500
Methyl acetate	ND		1300	650	ug/L			12/07/20 16:28	500
Methyl tert-butyl ether	ND		500	80	ug/L			12/07/20 16:28	500
Methylcyclohexane	ND		500	80	ug/L			12/07/20 16:28	500
Methylene Chloride	ND		500	220	ug/L			12/07/20 16:28	500
Styrene	ND		500	370	ug/L			12/07/20 16:28	500
Tetrachloroethene	ND		500	180	ug/L			12/07/20 16:28	500
Toluene	ND		500	260	ug/L			12/07/20 16:28	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			12/07/20 16:28	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			12/07/20 16:28	500
Trichloroethene	**24000**		500	230	ug/L			12/07/20 16:28	500
Trichlorofluoromethane	ND		500	440	ug/L			12/07/20 16:28	500
Vinyl chloride	ND		500	450	ug/L			12/07/20 16:28	500
Xylenes, Total	ND		1000	330	ug/L			12/07/20 16:28	500

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-4
Date Collected: 11/30/20 13:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		12/07/20 16:28	500
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/07/20 16:28	500
4-Bromofluorobenzene (Surr)	101		73 - 120		12/07/20 16:28	500
Dibromofluoromethane (Surr)	102		75 - 123		12/07/20 16:28	500

Client Sample ID: MW-9R

Date Collected: 12/01/20 12:45
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-4

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		20	16	ug/L			12/07/20 16:51	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/07/20 16:51	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/07/20 16:51	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/07/20 16:51	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/07/20 16:51	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/07/20 16:51	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/07/20 16:51	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/07/20 16:51	20
1,2-Dichlorobenzene	ND		20	16	ug/L			12/07/20 16:51	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/07/20 16:51	20
1,2-Dichloropropane	ND		20	14	ug/L			12/07/20 16:51	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/07/20 16:51	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/07/20 16:51	20
2-Butanone (MEK)	ND		200	26	ug/L			12/07/20 16:51	20
2-Hexanone	ND		100	25	ug/L			12/07/20 16:51	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/07/20 16:51	20
Acetone	ND		200	60	ug/L			12/07/20 16:51	20
Benzene	ND		20	8.2	ug/L			12/07/20 16:51	20
Bromodichloromethane	ND		20	7.8	ug/L			12/07/20 16:51	20
Bromoform	ND		20	5.2	ug/L			12/07/20 16:51	20
Bromomethane	ND		20	14	ug/L			12/07/20 16:51	20
Carbon disulfide	ND		20	3.8	ug/L			12/07/20 16:51	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/07/20 16:51	20
Chlorobenzene	ND		20	15	ug/L			12/07/20 16:51	20
Dibromochloromethane	ND		20	6.4	ug/L			12/07/20 16:51	20
Chloroethane	ND		20	6.4	ug/L			12/07/20 16:51	20
Chloroform	ND		20	6.8	ug/L			12/07/20 16:51	20
Chloromethane	ND		20	7.0	ug/L			12/07/20 16:51	20
cis-1,2-Dichloroethene	**820**		20	16	ug/L			12/07/20 16:51	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/07/20 16:51	20
Cyclohexane	ND		20	3.6	ug/L			12/07/20 16:51	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/07/20 16:51	20
Ethylbenzene	ND		20	15	ug/L			12/07/20 16:51	20
1,2-Dibromoethane	ND		20	15	ug/L			12/07/20 16:51	20
Isopropylbenzene	ND		20	16	ug/L			12/07/20 16:51	20
Methyl acetate	ND		50	26	ug/L			12/07/20 16:51	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/07/20 16:51	20
Methylcyclohexane	ND		20	3.2	ug/L			12/07/20 16:51	20
Methylene Chloride	ND		20	8.8	ug/L			12/07/20 16:51	20
Styrene	ND		20	15	ug/L			12/07/20 16:51	20
Tetrachloroethene	ND		20	7.2	ug/L			12/07/20 16:51	20
Toluene	ND		20	10	ug/L			12/07/20 16:51	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/07/20 16:51	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/07/20 16:51	20
Trichloroethene	**250**		20	9.2	ug/L			12/07/20 16:51	20
Trichlorofluoromethane	ND		20	18	ug/L			12/07/20 16:51	20
Vinyl chloride	**120**		20	18	ug/L			12/07/20 16:51	20
Xylenes, Total	ND		40	13	ug/L			12/07/20 16:51	20

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-9R
Date Collected: 12/01/20 12:45
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		12/07/20 16:51	20
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/07/20 16:51	20
4-Bromofluorobenzene (Surr)	100		73 - 120		12/07/20 16:51	20
Dibromofluoromethane (Surr)	104		75 - 123		12/07/20 16:51	20

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-11R

Date Collected: 11/30/20 12:05
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-5

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		5.0	4.1	ug/L			12/07/20 17:14	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/07/20 17:14	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/07/20 17:14	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/07/20 17:14	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/07/20 17:14	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/07/20 17:14	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/07/20 17:14	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/07/20 17:14	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/07/20 17:14	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/07/20 17:14	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/07/20 17:14	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/07/20 17:14	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/07/20 17:14	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/07/20 17:14	5
2-Hexanone	ND		25	6.2	ug/L			12/07/20 17:14	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/07/20 17:14	5
Acetone	ND		50	15	ug/L			12/07/20 17:14	5
Benzene	ND		5.0	2.1	ug/L			12/07/20 17:14	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/07/20 17:14	5
Bromoform	ND		5.0	1.3	ug/L			12/07/20 17:14	5
Bromomethane	ND		5.0	3.5	ug/L			12/07/20 17:14	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/07/20 17:14	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/07/20 17:14	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/07/20 17:14	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/07/20 17:14	5
Chloroethane	ND		5.0	1.6	ug/L			12/07/20 17:14	5
Chloroform	ND		5.0	1.7	ug/L			12/07/20 17:14	5
Chloromethane	ND		5.0	1.8	ug/L			12/07/20 17:14	5
cis-1,2-Dichloroethene	**130**		5.0	4.1	ug/L			12/07/20 17:14	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/07/20 17:14	5
Cyclohexane	ND		5.0	0.90	ug/L			12/07/20 17:14	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/07/20 17:14	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/07/20 17:14	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/07/20 17:14	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/07/20 17:14	5
Methyl acetate	ND		13	6.5	ug/L			12/07/20 17:14	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/07/20 17:14	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/07/20 17:14	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/07/20 17:14	5
Styrene	ND		5.0	3.7	ug/L			12/07/20 17:14	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/07/20 17:14	5
Toluene	ND		5.0	2.6	ug/L			12/07/20 17:14	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/07/20 17:14	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/07/20 17:14	5
Trichloroethene	**250**	**F1**	5.0	2.3	ug/L			12/07/20 17:14	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/07/20 17:14	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/07/20 17:14	5
Xylenes, Total	ND		10	3.3	ug/L			12/07/20 17:14	5

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-11R
Date Collected: 11/30/20 12:05
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		12/07/20 17:14	5
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/07/20 17:14	5
4-Bromofluorobenzene (Surr)	102		73 - 120		12/07/20 17:14	5
Dibromofluoromethane (Surr)	103		75 - 123		12/07/20 17:14	5

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-13
Date Collected: 12/01/20 11:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-6
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		10	8.2	ug/L			12/07/20 17:37	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/07/20 17:37	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/07/20 17:37	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/07/20 17:37	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/07/20 17:37	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/07/20 17:37	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/07/20 17:37	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/07/20 17:37	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/07/20 17:37	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/07/20 17:37	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/07/20 17:37	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/07/20 17:37	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/07/20 17:37	10
2-Butanone (MEK)	ND		100	13	ug/L			12/07/20 17:37	10
2-Hexanone	ND		50	12	ug/L			12/07/20 17:37	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/07/20 17:37	10
Acetone	ND		100	30	ug/L			12/07/20 17:37	10
Benzene	ND		10	4.1	ug/L			12/07/20 17:37	10
Bromodichloromethane	ND		10	3.9	ug/L			12/07/20 17:37	10
Bromoform	ND		10	2.6	ug/L			12/07/20 17:37	10
Bromomethane	ND		10	6.9	ug/L			12/07/20 17:37	10
Carbon disulfide	ND		10	1.9	ug/L			12/07/20 17:37	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/07/20 17:37	10
Chlorobenzene	ND		10	7.5	ug/L			12/07/20 17:37	10
Dibromochloromethane	ND		10	3.2	ug/L			12/07/20 17:37	10
Chloroethane	ND		10	3.2	ug/L			12/07/20 17:37	10
Chloroform	ND		10	3.4	ug/L			12/07/20 17:37	10
Chloromethane	ND		10	3.5	ug/L			12/07/20 17:37	10
cis-1,2-Dichloroethene	**510**		10	8.1	ug/L			12/07/20 17:37	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/07/20 17:37	10
Cyclohexane	ND		10	1.8	ug/L			12/07/20 17:37	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/07/20 17:37	10
Ethylbenzene	ND		10	7.4	ug/L			12/07/20 17:37	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/07/20 17:37	10
Isopropylbenzene	ND		10	7.9	ug/L			12/07/20 17:37	10
Methyl acetate	ND		25	13	ug/L			12/07/20 17:37	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/07/20 17:37	10
Methylcyclohexane	ND		10	1.6	ug/L			12/07/20 17:37	10
Methylene Chloride	ND		10	4.4	ug/L			12/07/20 17:37	10
Styrene	ND		10	7.3	ug/L			12/07/20 17:37	10
Tetrachloroethene	ND		10	3.6	ug/L			12/07/20 17:37	10
Toluene	ND		10	5.1	ug/L			12/07/20 17:37	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/07/20 17:37	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/07/20 17:37	10
Trichloroethene	**630**		10	4.6	ug/L			12/07/20 17:37	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/07/20 17:37	10
Vinyl chloride	**19**		10	9.0	ug/L			12/07/20 17:37	10
Xylenes, Total	ND		20	6.6	ug/L			12/07/20 17:37	10

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-13
Date Collected: 12/01/20 11:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		12/07/20 17:37	10
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/07/20 17:37	10
4-Bromofluorobenzene (Surr)	102		73 - 120		12/07/20 17:37	10
Dibromofluoromethane (Surr)	103		75 - 123		12/07/20 17:37	10

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-14

Date Collected: 12/01/20 10:10
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-7

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		40	33	ug/L			12/07/20 18:01	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			12/07/20 18:01	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			12/07/20 18:01	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			12/07/20 18:01	40
1,1-Dichloroethane	ND		40	15	ug/L			12/07/20 18:01	40
1,1-Dichloroethene	ND		40	12	ug/L			12/07/20 18:01	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			12/07/20 18:01	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			12/07/20 18:01	40
1,2-Dichlorobenzene	ND		40	32	ug/L			12/07/20 18:01	40
1,2-Dichloroethane	ND		40	8.4	ug/L			12/07/20 18:01	40
1,2-Dichloropropane	ND		40	29	ug/L			12/07/20 18:01	40
1,3-Dichlorobenzene	ND		40	31	ug/L			12/07/20 18:01	40
1,4-Dichlorobenzene	ND		40	34	ug/L			12/07/20 18:01	40
2-Butanone (MEK)	ND		400	53	ug/L			12/07/20 18:01	40
2-Hexanone	ND		200	50	ug/L			12/07/20 18:01	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			12/07/20 18:01	40
Acetone	ND		400	120	ug/L			12/07/20 18:01	40
Benzene	ND		40	16	ug/L			12/07/20 18:01	40
Bromodichloromethane	ND		40	16	ug/L			12/07/20 18:01	40
Bromoform	ND		40	10	ug/L			12/07/20 18:01	40
Bromomethane	ND		40	28	ug/L			12/07/20 18:01	40
Carbon disulfide	ND		40	7.6	ug/L			12/07/20 18:01	40
Carbon tetrachloride	ND		40	11	ug/L			12/07/20 18:01	40
Chlorobenzene	ND		40	30	ug/L			12/07/20 18:01	40
Dibromochloromethane	ND		40	13	ug/L			12/07/20 18:01	40
Chloroethane	ND		40	13	ug/L			12/07/20 18:01	40
Chloroform	ND		40	14	ug/L			12/07/20 18:01	40
Chloromethane	ND		40	14	ug/L			12/07/20 18:01	40
cis-1,2-Dichloroethene	**1300**		40	32	ug/L			12/07/20 18:01	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			12/07/20 18:01	40
Cyclohexane	ND		40	7.2	ug/L			12/07/20 18:01	40
Dichlorodifluoromethane	ND		40	27	ug/L			12/07/20 18:01	40
Ethylbenzene	ND		40	30	ug/L			12/07/20 18:01	40
1,2-Dibromoethane	ND		40	29	ug/L			12/07/20 18:01	40
Isopropylbenzene	ND		40	32	ug/L			12/07/20 18:01	40
Methyl acetate	ND		100	52	ug/L			12/07/20 18:01	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			12/07/20 18:01	40
Methylcyclohexane	ND		40	6.4	ug/L			12/07/20 18:01	40
Methylene Chloride	ND		40	18	ug/L			12/07/20 18:01	40
Styrene	ND		40	29	ug/L			12/07/20 18:01	40
Tetrachloroethene	ND		40	14	ug/L			12/07/20 18:01	40
Toluene	ND		40	20	ug/L			12/07/20 18:01	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			12/07/20 18:01	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			12/07/20 18:01	40
Trichloroethene	**2000**		40	18	ug/L			12/07/20 18:01	40
Trichlorofluoromethane	ND		40	35	ug/L			12/07/20 18:01	40
Vinyl chloride	ND		40	36	ug/L			12/07/20 18:01	40
Xylenes, Total	ND		80	26	ug/L			12/07/20 18:01	40

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-14
Date Collected: 12/01/20 10:10
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		12/07/20 18:01	40
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/07/20 18:01	40
4-Bromofluorobenzene (Surr)	101		73 - 120		12/07/20 18:01	40
Dibromofluoromethane (Surr)	102		75 - 123		12/07/20 18:01	40

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: DUP-113020

Date Collected: 11/30/20 00:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-8

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		5.0	4.1	ug/L			12/07/20 18:24	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/07/20 18:24	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/07/20 18:24	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/07/20 18:24	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/07/20 18:24	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/07/20 18:24	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/07/20 18:24	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/07/20 18:24	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/07/20 18:24	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/07/20 18:24	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/07/20 18:24	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/07/20 18:24	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/07/20 18:24	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/07/20 18:24	5
2-Hexanone	ND		25	6.2	ug/L			12/07/20 18:24	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/07/20 18:24	5
Acetone	ND		50	15	ug/L			12/07/20 18:24	5
Benzene	ND		5.0	2.1	ug/L			12/07/20 18:24	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/07/20 18:24	5
Bromoform	ND		5.0	1.3	ug/L			12/07/20 18:24	5
Bromomethane	ND		5.0	3.5	ug/L			12/07/20 18:24	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/07/20 18:24	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/07/20 18:24	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/07/20 18:24	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/07/20 18:24	5
Chloroethane	ND		5.0	1.6	ug/L			12/07/20 18:24	5
Chloroform	ND		5.0	1.7	ug/L			12/07/20 18:24	5
Chloromethane	ND		5.0	1.8	ug/L			12/07/20 18:24	5
cis-1,2-Dichloroethene	**130**		5.0	4.1	ug/L			12/07/20 18:24	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/07/20 18:24	5
Cyclohexane	ND		5.0	0.90	ug/L			12/07/20 18:24	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/07/20 18:24	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/07/20 18:24	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/07/20 18:24	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/07/20 18:24	5
Methyl acetate	ND		13	6.5	ug/L			12/07/20 18:24	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/07/20 18:24	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/07/20 18:24	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/07/20 18:24	5
Styrene	ND		5.0	3.7	ug/L			12/07/20 18:24	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/07/20 18:24	5
Toluene	ND		5.0	2.6	ug/L			12/07/20 18:24	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/07/20 18:24	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/07/20 18:24	5
Trichloroethene	**260**		5.0	2.3	ug/L			12/07/20 18:24	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/07/20 18:24	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/07/20 18:24	5
Xylenes, Total	ND		10	3.3	ug/L			12/07/20 18:24	5

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: DUP-113020
Date Collected: 11/30/20 00:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		12/07/20 18:24	5
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/07/20 18:24	5
4-Bromofluorobenzene (Surr)	100		73 - 120		12/07/20 18:24	5
Dibromofluoromethane (Surr)	106		75 - 123		12/07/20 18:24	5

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: Trip Blank

Date Collected: 11/30/20 00:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-9

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			12/07/20 18:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/20 18:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/20 18:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/20 18:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/20 18:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/20 18:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/20 18:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/20 18:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/20 18:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/20 18:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/20 18:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/20 18:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/20 18:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/20 18:48	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/20 18:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/20 18:48	1
Acetone	ND		10	3.0	ug/L			12/07/20 18:48	1
Benzene	ND		1.0	0.41	ug/L			12/07/20 18:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/20 18:48	1
Bromoform	ND		1.0	0.26	ug/L			12/07/20 18:48	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/20 18:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/20 18:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/20 18:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/20 18:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/20 18:48	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/20 18:48	1
Chloroform	ND		1.0	0.34	ug/L			12/07/20 18:48	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/20 18:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/20 18:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/20 18:48	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/20 18:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/20 18:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/20 18:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/20 18:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/20 18:48	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/20 18:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/20 18:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/20 18:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/20 18:48	1
Styrene	ND		1.0	0.73	ug/L			12/07/20 18:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/20 18:48	1
Toluene	ND		1.0	0.51	ug/L			12/07/20 18:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/20 18:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/20 18:48	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/20 18:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/20 18:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/20 18:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/20 18:48	1

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: Trip Blank
Date Collected: 11/30/20 00:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		12/07/20 18:48	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/07/20 18:48	1
4-Bromofluorobenzene (Surr)	101		73 - 120		12/07/20 18:48	1
Dibromofluoromethane (Surr)	103		75 - 123		12/07/20 18:48	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-178861-1	MW-2	101	102	101	102
480-178861-2	MW-3	101	100	102	102
480-178861-3	MW-4	100	103	101	102
480-178861-4	MW-9R	99	100	100	104
480-178861-5	MW-11R	101	103	102	103
480-178861-5 MS	MW-11R	99	98	101	102
480-178861-5 MSD	MW-11R	101	100	105	102
480-178861-6	MW-13	102	102	102	103
480-178861-7	MW-14	100	102	101	102
480-178861-8	DUP-113020	101	103	100	106
480-178861-9	Trip Blank	101	102	101	103
LCS 480-562163/5	Lab Control Sample	100	102	103	104
MB 480-562163/7	Method Blank	102	102	102	103

Surrogate Legend

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

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

Lab Sample ID: MB 480-562163/7
Matrix: Water
Analysis Batch: 562163

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/20 11:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/20 11:57	1
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L			12/07/20 11:57	1
1,1,2-Trichloro-1,2,2-tri3uoroethane	ND		1.0	0.51	ug/L			12/07/20 11:57	1
1,1-Dichloroethane	ND		1.0	0.58	ug/L			12/07/20 11:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/20 11:57	1
1,2,4-Trichlorobenf ene	ND		1.0	0.41	ug/L			12/07/20 11:57	1
1,2-Dibroz o-5-Chloromromane	ND		1.0	0.59	ug/L			12/07/20 11:57	1
1,2-Dichlorobenf ene	ND		1.0	0.79	ug/L			12/07/20 11:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/20 11:57	1
1,2-Dichloromromane	ND		1.0	0.72	ug/L			12/07/20 11:57	1
1,5-Dichlorobenf ene	ND		1.0	0.78	ug/L			12/07/20 11:57	1
1,4-Dichlorobenf ene	ND		1.0	0.84	ug/L			12/07/20 11:57	1
2-putanone B(EMK	ND		10	1.5	ug/L			12/07/20 11:57	1
2-Hexanone	ND		).0	1.2	ug/L			12/07/20 11:57	1
4-(ethyl-2-mentanone B(lpMK	ND		).0	2.1	ug/L			12/07/20 11:57	1
Acetone	ND		10	5.0	ug/L			12/07/20 11:57	1
penf ene	ND		1.0	0.41	ug/L			12/07/20 11:57	1
proz odichloroz ethane	ND		1.0	0.59	ug/L			12/07/20 11:57	1
proz o3brz	ND		1.0	0.26	ug/L			12/07/20 11:57	1
proz oz ethane	ND		1.0	0.69	ug/L			12/07/20 11:57	1
Carbon disul3de	ND		1.0	0.19	ug/L			12/07/20 11:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/20 11:57	1
Chlorobenf ene	ND		1.0	0.7)	ug/L			12/07/20 11:57	1
Dibroz ochloroz ethane	ND		1.0	0.52	ug/L			12/07/20 11:57	1
Chloroethane	ND		1.0	0.52	ug/L			12/07/20 11:57	1
Chloro3brz	ND		1.0	0.54	ug/L			12/07/20 11:57	1
Chloroz ethane	ND		1.0	0.5)	ug/L			12/07/20 11:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/20 11:57	1
cis-1,5-Dichloromromene	ND		1.0	0.56	ug/L			12/07/20 11:57	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/20 11:57	1
Dichlorodi3uoroz ethane	ND		1.0	0.68	ug/L			12/07/20 11:57	1
Ethylbenf ene	ND		1.0	0.74	ug/L			12/07/20 11:57	1
1,2-Dibroz oethane	ND		1.0	0.75	ug/L			12/07/20 11:57	1
Isomromylbenf ene	ND		1.0	0.79	ug/L			12/07/20 11:57	1
(ethyl acetate	ND		2.)	1.5	ug/L			12/07/20 11:57	1
(ethyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/20 11:57	1
(ethylcyclohexane	ND		1.0	0.16	ug/L			12/07/20 11:57	1
(ethylene Chloride	ND		1.0	0.44	ug/L			12/07/20 11:57	1
Styrene	ND		1.0	0.75	ug/L			12/07/20 11:57	1
Tetrachloroethene	ND		1.0	0.56	ug/L			12/07/20 11:57	1
Toluene	ND		1.0	0.) 1	ug/L			12/07/20 11:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/20 11:57	1
trans-1,5-Dichloromromene	ND		1.0	0.57	ug/L			12/07/20 11:57	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/20 11:57	1
Trichloro3uoroz ethane	ND		1.0	0.88	ug/L			12/07/20 11:57	1
Xinyl chloride	ND		1.0	0.90	ug/L			12/07/20 11:57	1
Vylenes, Total	ND		2.0	0.66	ug/L			12/07/20 11:57	1

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

Lab Sample ID: MB 480-562163/7
Matrix: Water
Analysis Batch: 562163

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		12/07/20 11:37	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/07/20 11:37	1
4-Bromofluorobenzene (Surr)	102		73 - 120		12/07/20 11:37	1
Dibromofluoromethane (Surr)	103		75 - 123		12/07/20 11:37	1

Lab Sample ID: LCS 480-562163/5
Matrix: Water
Analysis Batch: 562163

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2) .0	2) .6		ug/L		105	75 - 126
1,1,2,2-Tetrachloroethane	2) .0	26.6		ug/L		106	76 - 120
1,1,2-Trichloroethane	2) .0	26.)		ug/L		106	76 - 122
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	2) .0	24.4		ug/L		98	61 - 148
1,1-Dichloroethane	2) .0	2) .9		ug/L		104	77 - 120
1,1-Dichloroethene	2) .0	26.4		ug/L		106	66 - 127
1,2,4-Trichlorobenf ene	2) .0	26.1		ug/L		10)	79 - 122
1,2-Dibroz o-5-Chloromromane	2) .0	27.1		ug/L		108	) 6 - 154
1,2-Dichlorobenf ene	2) .0	2) .6		ug/L		102	80 - 124
1,2-Dichloroethane	2) .0	2) .9		ug/L		104	7) - 120
1,2-Dichloromromane	2) .0	2) .6		ug/L		105	76 - 120
1,5-Dichlorobenf ene	2) .0	2) .5		ug/L		101	77 - 120
1,4-Dichlorobenf ene	2) .0	2) .2		ug/L		101	80 - 120
2-putanone B(EMK	12)	140		ug/L		112	) 7 - 140
2-Hexanone	12)	158		ug/L		110	6) - 127
4-(ethyl-2-mentanone B(lpMK	12)	156		ug/L		109	71 - 12)
Acetone	12)	128		ug/L		102	) 6 - 142
penf ene	2) .0	2) .8		ug/L		105	71 - 124
proz odichloroz ethane	2) .0	26.9		ug/L		108	80 - 122
proz o3brz	2) .0	26.9		ug/L		107	61 - 152
proz oz ethane	2) .0	2) .7		ug/L		105	)) - 144
Carbon disul3de	2) .0	2) .0		ug/L		100	) 9 - 154
Carbon tetrachloride	2) .0	2) .2		ug/L		101	72 - 154
Chlorobenf ene	2) .0	2) .6		ug/L		102	80 - 120
Dibroz ochloroz ethane	2) .0	27.1		ug/L		109	7) - 12)
Chloroethane	2) .0	24.5		ug/L		97	69 - 156
Chloro3brz	2) .0	24.6		ug/L		98	75 - 127
Chloroz ethane	2) .0	24.0		ug/L		96	68 - 124
cis-1,2-Dichloroethene	2) .0	26.4		ug/L		106	74 - 124
cis-1,5-Dichloromromene	2) .0	26.1		ug/L		104	74 - 124
Cyclohexane	2) .0	26.4		ug/L		106	) 9 - 15)
Dichlorodi3uoroz ethane	2) .0	2) .0		ug/L		100	) 9 - 15)
Ethylbenf ene	2) .0	2) .)		ug/L		102	77 - 125
1,2-Dibroz oethane	2) .0	27.0		ug/L		108	77 - 120
Isomromylbenf ene	2) .0	2) .1		ug/L		101	77 - 122
(ethyl acetate	) 0.0	) 5.0		ug/L		106	74 - 155
(ethyl tert-butyl ether	2) .0	26.7		ug/L		107	77 - 120
(ethylcyclohexane	2) .0	27.2		ug/L		109	68 - 154

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

Lab Sample ID: LCS 480-562163/5
Matrix: Water
Analysis Batch: 562163

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
(ethylene Chloride	2) .0	24.9		ug/L		100	7) - 124
Styrene	2) .0	26.1		ug/L		104	80 - 120
Tetrachloroethene	2) .0	26.6		ug/L		106	74 - 122
Toluene	2) .0	2) .0		ug/L		100	80 - 122
trans-1,2-Dichloroethene	2) .0	26.2		ug/L		10)	75 - 127
trans-1,5-Dichloromromene	2) .0	2) .7		ug/L		105	80 - 120
Trichloroethene	2) .0	26.5		ug/L		10)	74 - 125
Trichloro3uoroz ethane	2) .0	26.6		ug/L		106	62 - 1) 0
Xinyl chloride	2) .0	26.0		ug/L		104	6) - 155

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Lab Sample ID: 480-178861-5 MS
Matrix: Water
Analysis Batch: 562163

Client Sample ID: MW-11R
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		12)	152		ug/L		106	75 - 126
1,1,2,2-Tetrachloroethane	ND		12)	122		ug/L		98	76 - 120
1,1,2-Trichloroethane	ND		12)	12)		ug/L		100	76 - 122
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	ND		12)	126		ug/L		101	61 - 148
1,1-Dichloroethane	ND		12)	126		ug/L		101	77 - 120
1,1-Dichloroethene	ND		12)	155		ug/L		106	66 - 127
1,2,4-Trichlorobenf ene	ND		12)	12)		ug/L		100	79 - 122
1,2-Dibroz o-5-Chloromromane	ND		12)	119		ug/L		96	) 6 - 154
1,2-Dichlorobenf ene	ND		12)	125		ug/L		99	80 - 124
1,2-Dichloroethane	ND		12)	125		ug/L		98	7) - 120
1,2-Dichloromromane	ND		12)	122		ug/L		97	76 - 120
1,5-Dichlorobenf ene	ND		12)	122		ug/L		98	77 - 120
1,4-Dichlorobenf ene	ND		12)	125		ug/L		98	78 - 124
2-putanone B(EMK	ND		62)	609		ug/L		97	) 7 - 140
2-Hexanone	ND		62)	615		ug/L		98	6) - 127
4-(ethyl-2-mentanone B(lpMK	ND		62)	612		ug/L		98	71 - 12)
Acetone	ND		62)	)) 2		ug/L		88	) 6 - 142
penf ene	ND		12)	124		ug/L		99	71 - 124
proz odichloroz ethane	ND		12)	127		ug/L		102	80 - 122
proz o3brz	ND		12)	119		ug/L		9)	61 - 152
proz oz ethane	ND		12)	128		ug/L		105	)) - 144
Carbon disul3de	ND		12)	122		ug/L		97	) 9 - 154
Carbon tetrachloride	ND		12)	152		ug/L		10)	72 - 154
Chlorobenf ene	ND		12)	124		ug/L		99	80 - 120
Dibroz ochloroz ethane	ND		12)	127		ug/L		102	7) - 12)
Chloroethane	ND		12)	120		ug/L		96	69 - 156
Chloro3brz	ND		12)	118		ug/L		9)	75 - 127

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

Lab Sample ID: 480-178861-5 MS
Matrix: Water
Analysis Batch: 562163

Client Sample ID: MW-11R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroz ethane	ND		12)	124		ug/L		99	68 - 124
cis-1,2-Dichloroethene	150		12)	245		ug/L		89	74 - 124
cis-1,5-Dichloromromene	ND		12)	125		ug/L		99	74 - 124
Cyclohexane	ND		12)	158		ug/L		110	) 9 - 15)
Dichlorodi3uoroz ethane	ND		12)	154		ug/L		107	) 9 - 15)
Ethylbenf ene	ND		12)	124		ug/L		99	77 - 125
1,2-Dibroz oethane	ND		12)	127		ug/L		101	77 - 120
Isomromylbenf ene	ND		12)	122		ug/L		98	77 - 122
(ethyl acetate	ND		2) 0	255		ug/L		95	74 - 155
(ethyl tert-butyl ether	ND		12)	122		ug/L		98	77 - 120
(ethylcyclohexane	ND		12)	140		ug/L		112	68 - 154
(ethylene Chloride	ND		12)	120		ug/L		96	7) - 124
Styrene	ND		12)	122		ug/L		98	80 - 120
Tetrachloroethene	ND		12)	155		ug/L		106	74 - 122
Toluene	ND		12)	125		ug/L		99	80 - 122
trans-1,2-Dichloroethene	ND		12)	151		ug/L		10)	75 - 127
trans-1,5-Dichloromromene	ND		12)	122		ug/L		98	80 - 120
Trichloroethene	2) 0	F1	12)	540		ug/L		76	74 - 125
Trichloro3uoroz ethane	ND		12)	159		ug/L		111	62 - 1) 0
Xinyl chloride	ND		12)	158		ug/L		110	6) - 155

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-178861-5 MSD
Matrix: Water
Analysis Batch: 562163

Client Sample ID: MW-11R
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		12)	124		ug/L		99	75 - 126	6	1)
1,1,2,2-Tetrachloroethane	ND		12)	124		ug/L		99	76 - 120	2	1)
1,1,2-Trichloroethane	ND		12)	12)		ug/L		100	76 - 122	0	1)
1,1,2-Trichloro-1,2,2-tri3uoroetha ne	ND		12)	121		ug/L		97	61 - 148	4	20
1,1-Dichloroethane	ND		12)	122		ug/L		98	77 - 120	5	20
1,1-Dichloroethene	ND		12)	129		ug/L		105	66 - 127	5	16
1,2,4-Trichlorobenf ene	ND		12)	126		ug/L		101	79 - 122	1	20
1,2-Dibroz o-5-Chloromromane	ND		12)	122		ug/L		98	) 6 - 154	2	1)
1,2-Dichlorobenf ene	ND		12)	122		ug/L		98	80 - 124	1	20
1,2-Dichloroethane	ND		12)	121		ug/L		97	7) - 120	1	20
1,2-Dichloromromane	ND		12)	120		ug/L		96	76 - 120	1	20
1,5-Dichlorobenf ene	ND		12)	122		ug/L		97	77 - 120	0	20
1,4-Dichlorobenf ene	ND		12)	122		ug/L		98	78 - 124	1	20
2-putanone B(EMK	ND		62)	614		ug/L		98	) 7 - 140	1	20
2-Hexanone	ND		62)	62)		ug/L		100	6) - 127	2	1)
4-(ethyl-2-mentanone B(lpMK	ND		62)	650		ug/L		101	71 - 12)	5	5)

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

Lab Sample ID: 480-178861-5 MSD
Matrix: Water
Analysis Batch: 562163

Client Sample ID: MW-11R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		62)	)) 5		ug/L		88	) 6 - 142	0	1)
penf ene	ND		12)	121		ug/L		97	71 - 124	2	15
proz odichloroz ethane	ND		12)	12)		ug/L		100	80 - 122	2	1)
proz o3brz	ND		12)	122		ug/L		97	61 - 152	2	1)
proz oz ethane	ND		12)	122		ug/L		97	)) - 144	)	1)
Carbon disul3de	ND		12)	11)		ug/L		92	) 9 - 154	)	1)
Carbon tetrachloride	ND		12)	126		ug/L		101	72 - 154	4	1)
Chlorobenf ene	ND		12)	124		ug/L		99	80 - 120	0	2)
Dibroz ochloroz ethane	ND		12)	126		ug/L		101	7) - 12)	1	1)
Chloroethane	ND		12)	115		ug/L		91	69 - 156	6	1)
Chloro3brz	ND		12)	117		ug/L		94	75 - 127	1	20
Chloroz ethane	ND		12)	121		ug/L		97	68 - 124	2	1)
cis-1,2-Dichloroethene	150		12)	242		ug/L		88	74 - 124	0	1)
cis-1,5-Dichloromromene	ND		12)	121		ug/L		97	74 - 124	2	1)
Cyclohexane	ND		12)	151		ug/L		10)	) 9 - 15)	)	20
Dichlorodi3uoroz ethane	ND		12)	151		ug/L		10)	) 9 - 15)	5	20
Ethylbenf ene	ND		12)	122		ug/L		98	77 - 125	2	1)
1,2-Dibroz oethane	ND		12)	126		ug/L		101	77 - 120	1	1)
Isomromylbenf ene	ND		12)	121		ug/L		97	77 - 122	1	20
(ethyl acetate	ND		2) 0	256		ug/L		9)	74 - 155	1	20
(ethyl tert-butyl ether	ND		12)	122		ug/L		98	77 - 120	0	57
(ethylcyclohexane	ND		12)	152		ug/L		106	68 - 154	)	20
(ethylene Chloride	ND		12)	118		ug/L		9)	7) - 124	2	1)
Styrene	ND		12)	125		ug/L		98	80 - 120	0	20
Tetrachloroethene	ND		12)	150		ug/L		104	74 - 122	2	20
Toluene	ND		12)	122		ug/L		98	80 - 122	1	1)
trans-1,2-Dichloroethene	ND		12)	126		ug/L		101	75 - 127	4	20
trans-1,5-Dichloromromene	ND		12)	125		ug/L		99	80 - 120	1	1)
Trichloroethene	2) 0	F1	12)	555	F1	ug/L		70	74 - 125	2	16
Trichloro3uoroz ethane	ND		12)	151		ug/L		10)	62 - 1) 0	6	20
Xinyl chloride	ND		12)	129		ug/L		105	6) - 155	7	1)

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

QC Association Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

GC/MS VOA

Analysis Batch: 562163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178861-1	MW-2	Total/NA	Water	8260C	
480-178861-2	MW-3	Total/NA	Water	8260C	
480-178861-3	MW-4	Total/NA	Water	8260C	
480-178861-4	MW-9R	Total/NA	Water	8260C	
480-178861-5	MW-11R	Total/NA	Water	8260C	
480-178861-6	MW-13	Total/NA	Water	8260C	
480-178861-7	MW-14	Total/NA	Water	8260C	
480-178861-8	DUP-113020	Total/NA	Water	8260C	
480-178861-9	Trip Blank	Total/NA	Water	8260C	
MB 480-562163/7	Method Blank	Total/NA	Water	8260C	
LCS 480-562163/5	Lab Control Sample	Total/NA	Water	8260C	
480-178861-5 MS	MW-11R	Total/NA	Water	8260C	
480-178861-5 MSD	MW-11R	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: MW-2
Date Collected: 12/01/20 11:40
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1000	562163	12/07/20 15:41	CRL	TAL BUF

Client Sample ID: MW-3
Date Collected: 11/30/20 14:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	562163	12/07/20 16:04	CRL	TAL BUF

Client Sample ID: MW-4
Date Collected: 11/30/20 13:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	562163	12/07/20 16:28	CRL	TAL BUF

Client Sample ID: MW-9R
Date Collected: 12/01/20 12:45
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	562163	12/07/20 16:51	CRL	TAL BUF

Client Sample ID: MW-11R
Date Collected: 11/30/20 12:05
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	562163	12/07/20 17:14	CRL	TAL BUF

Client Sample ID: MW-13
Date Collected: 12/01/20 11:00
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	562163	12/07/20 17:37	CRL	TAL BUF

Client Sample ID: MW-14
Date Collected: 12/01/20 10:10
Date Received: 12/01/20 16:00

Lab Sample ID: 480-178861-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	562163	12/07/20 18:01	CRL	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Client Sample ID: DUP-113020

Lab Sample ID: 480-178861-8

Date Collected: 11/30/20 00:00

Matrix: Water

Date Received: 12/01/20 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	562163	12/07/20 18:24	CRL	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-178861-9

Date Collected: 11/30/20 00:00

Matrix: Water

Date Received: 12/01/20 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562163	12/07/20 18:48	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-178861-1
Project/Site: Frewsburg Site #907016

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Frewsburg Site #907016

Job ID: 480-178861-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-178861-1	MW-2	Water	12/01/20 11:40	12/01/20 16:00	
480-178861-2	MW-3	Water	11/30/20 14:00	12/01/20 16:00	
480-178861-3	MW-4	Water	11/30/20 13:00	12/01/20 16:00	
480-178861-4	MW-9R	Water	12/01/20 12:45	12/01/20 16:00	
480-178861-5	MW-11R	Water	11/30/20 12:05	12/01/20 16:00	
480-178861-6	MW-13	Water	12/01/20 11:00	12/01/20 16:00	
480-178861-7	MW-14	Water	12/01/20 10:10	12/01/20 16:00	
480-178861-8	DUP-113020	Water	11/30/20 00:00	12/01/20 16:00	
480-178861-9	Trip Blank	Water	11/30/20 00:00	12/01/20 16:00	

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Client Contact	Maurice Moore	Site Contact: Tom Palmer (GES)	Date:	COC No:
NYSDEC-Region 9	Tel/Fax: (716) 851-7220	Lab Contact: Orlette Johnson	Carrier:	1 of 2 COCs
270 Michigan Avenue	Analysis Turnaround Time			Sampler:
Buffalo, NY 14203	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
716-851-7220 Phone	Custom TAT: 10 days			Walk-in Client:
FAX	☐ 2 weeks			Lab Sampling:
Project Name: DEC Frewsburg, 300 Falconer Street	☐ 1 week			
Site No.: 907016 (GES Project #0901685)	☐ 2 days			Job / SDG No.:
Contract #:	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260C - TCLVOCs OLM04.2 list	MS/MSD	Sample Specific Notes:
MW-2	12-1-20	1140	G	W	3	N		X		
MW-3	11-30-20	1400	G	W	3	N		X		
MW-4	11-30-20	1300	G	W	3	N		X		
MW-9R	12-1-20	1245	G	W	3	N		X		
MW-11R	11-30-20	1205	G	W	9	N	X	X	X	
MW-13	12-1-20	1100	G	W	3	N		X		
MW-14	12-1-20	1010	G	W	3	N		X		
DUP 113020	11-30-20	—	G	W	3	N		X		
Trip Blank			G	W		N		X		
			G	W		N		X		
			G	W		N		X		
			G	W		N		X		

480-178861 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☑Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☑Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Category B Deliverable, NYSDEC Equis

4.6 #1

Custody Seals Intact:	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by:	Company: GES	Date/Time: 12-1-20 1600	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 12/1/20 1600

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-178861-1

Login Number: 178861 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Appendix C – System Inspection Form

SYSTEM INSPECTION FORM

Client Name:	NYSDEC		
Site Name:	Frewsburg		
Address:	300 Falconer St, Frewsburg NY		
GES PM:	T. Palmer	GES Engr:	G. Bock
Inspected By:	T. Palmer	Date:	11-23-20
Inspection:	Routine Annual Transition, Startup, or Recommission (*circle one*)		

The following checklist is to be completed for all OM&M system sites If the response to any item is "No," explain reasons in the comment section. *For items requiring additional explanation, use comments section to discuss findings and/or provide additional information needed to perform corrective measures. For additional comment space, use back of page.* A loss or near loss report may be required based on the findings of the inspection.

Equipment/Information needed to complete the inspection

- [x] Previously completed system inspection form
- [x] Tools to open control panel and other equipment
- [x] Tools to open manholes and well vaults
- [x] Digital Camera to document conditions
- [ ] Multimeter/amperage clamp to check equipment amperage and voltages
- [ ] Knowledge of the IBC, NEC, fire codes, pressure vessel codes and client specific requirements

Site Health & Safety / General Site Conditions

1.	Is current Health & Safety Plan (HASP) in a conspicuous place?	[x] Yes	[ ] No	
2.	Are Safety Data Sheets (SDS) in HASP?	[x] Yes	[ ] No	
3.	Is GES' Emergency Sign Placard posted in a conspicuous place?	[x] Yes	[ ] No	
4.	Is the site and enclosure clear of trash and debris?	[x] Yes	[ ] No	
5.	Are walkways clear of trip hazards?	[x] Yes	[ ] No	
6.	Are vaults/manholes/trenches in good conditions and locked? (Manholes don't lock)	[x] Yes	[ ] No	
7.	Is vegetation (trees, vines, weeds) present that may pose trip or overhead hazards, including branches that could fall onto equipment, enclosures, or overhead utilities?	[ ] Yes	[ ] No	
8.	Is the log book present, protected from the elements and include all up-to-date permits, log sheets, checklists/forms and HASP? No current discharge permits	[x] Yes	[ ] No	
9.	Are on-site soil piles, if present, properly encapsulated?	[ ] Yes	[ ] No	[x] N/A
10.	Are there drums or storage tanks on site? (If YES, answer questions below)	[x] Yes	[ ] No	
–	Do drums/tanks have secondary containment?	[ ] Yes	[x] No	
–	Are the drums/tanks in good condition?	[x] Yes	[ ] No	
–	Are the drums/tanks properly vented and grounded (product drums must be grounded)?	[x] Yes	[ ] No	
–	Are the drums/tanks properly labeled, including a flammable sticker?	[x] Yes	[ ] No	

COMMENTS:
- Product drum
- Sludge drums from system cleaning
- Spent bag filter drum.

Enclosure/Structure/Building *(Requires knowledge of IBC to complete)* ☐ Not applicable ☐ Not checked

1.	Is the enclosure in good condition? (check doors, roof, interior/exterior walls, trailer leveling jacks, fence material and posts, stack guy wires, structural elements)	☒ Yes	☐ No	
2.	Is the enclosure properly heated, if necessary?	☒ Yes	☐ No	☐ N/A
3.	Is the air in the enclosure properly exhausted?	☒ Yes	☐ No	
4.	Is the exhaust fan guard in place?	☒ Yes	☐ No	
5.	Are there sufficient fresh air louvers?	☒ Yes	☐ No	
6.	Are the louvers or exhaust vents sealed off in the winter?	☐ Yes	☒ No	☐ N/A
7.	Are all sheds/compounds locked?	☒ Yes	☐ No	☐ N/A
8.	Are fire extinguishers on site? (If YES, expiration date: 4 /2020)	☒ Yes	☐ No	
9.	Are combustible/flammable materials separated from sources of ignition?	☒ Yes	☐ No	

COMMENTS:

OM&M System

Describe major system components, noting any changes completed to the remedial system since the last inspection

TPE blower, transfer pump (mag no) Air Sparger (6-tray)
(2) Bag filter units, bailey pump, sump pump

1.	Has the system changed since the last inspection?	☒ Yes	☐ No	
2.	Was the system operating upon arrival?	☒ Yes	☐ No	☐ N/A
3.	Is an accurate copy of system trenching diagram posted?	☒ Yes	☐ No	
4.	Is the posted P&ID accurate?	☐ Yes	☒ No	
5.	Are CEs/CSDs/sample ports/manifolds/flow direction/equipment properly labeled?	☐ Yes	☒ No	
6.	Reviewed system CEs/CSDs, interlock, alarm inspection forms and procedures?	☒ Yes	☐ No	☐ N/A
7.	Are pipe, tanks, hose, etc., supported properly and in acceptable condition (including those located in areas difficult to access [behind/under equipment])?	☒ Yes	☐ No	
8.	Are piping, hoses, tubing, valves, and other system components rated for (e.g., pressure, temperature, flow capacity, fluid type, concentration, and chemical compatibility) the service for which they are used (e.g., compressed air, high-temperature vapors)?	☒ Yes	☐ No	
9.	Are cam locks secured with pins, cable ties, or other equivalent means?	☒ Yes	☐ No	☐ N/A
10.	Is piping outside the structure properly insulated and heat traced?	☐ Yes	☐ No	☒ N/A
11.	Are buckle clamps used to connect hose to barbs?	☒ Yes	☐ No	☐ N/A
12.	Is there a floor sump (or other leak/spill detection) within the structure?	☒ Yes	☐ No	☐ N/A
13.	Is the system free of all additional hazards (e.g., confined space, ladders required)?	☒ Yes	☐ No	
14.	Is there at least 24 inches of space between equipment, control panels, and walls to	☒ Yes	☐ No	

- ows taken off line

allow OM&M to be conducted safely?		
15. Are supports and braces on vibrating equipment tight?	☒ Yes ☐ No ☐ N/A	
16. Is all equipment in good operating condition?	☒ Yes ☐ No	

COMMENTS:

Need current P&ID
Need to label CEs

Electrical Elements and Code Compliance

1.	Has any electrical component of this system changed since the last inspection? (If YES, answer section below)	☐ Yes ☒ No
	How are areas classified? (Write name of area below)	
	a. ☐ Class I Div I ☐ Class I Div II ☐ Not Classified	a)
	b. ☐ Class I Div I ☐ Class I Div II ☐ Not Classified	b)
	c. ☐ Class I Div I ☐ Class I Div II ☐ Not Classified	c)
2.	Is the electrical classification correct?	☐ Yes ☐ No
3.	Does all of the electrical equipment (lights, heaters, pumps, blowers, etc.) comply with the classification?	☐ Yes ☐ No
4.	Is the voltage and amperage to the system and components correct?	☒ Yes ☐ No
5.	Are proper voltage and phase labels posted on circuit breaker panel?	☒ Yes ☐ No
6.	Is the proper high voltage **(208 volts or greater)** label on the outside of the panel?	☒ Yes ☐ No
7.	Are circuit breakers labeled in conjunction with equipment?	☒ Yes ☐ No
8.	Are the motor starters properly sized?	☒ Yes ☐ No
9.	Are the **Thermal overloads** sized and set for the proper motor amperage?	☒ Yes ☐ No
10.	Are the gages of the wire correct for the equipment?	☒ Yes ☐ No
11.	Is wiring in acceptable condition (no frayed, mashed, or loose wiring or burnt)?	☒ Yes ☐ No
12.	Is wiring neat and attached to walls (shed and vaults)?	☒ Yes ☐ No
13.	Are seal-offs poured?	☒ Yes ☐ No ☒ N/A
14.	Are lights bulbs shatterproof, fluorescent, or shielded?	☒ Yes ☐ No
15.	Are GFIs and weather-proof outlets installed?	☒ Yes ☐ No
16.	Is all equipment properly wired (no extension cords, etc)?	☒ Yes ☐ No
17.	Has an Electrical Inspection Report been completed?	☐ Yes ☒ No

COMMENTS:

Compressed Air Systems and Pressure Vessels		
1.	Are compressed air vessels used with the system? *(If no, skip this section)*	☐ Yes ☒ No
2.	According to the pressure vessel code for the applicable state, the pressurized vessel does need to be inspected? (If yes, document in the comment section when the vessel was last inspected.)	☐ Yes ☐ No
3.	Are air compressor guards and warning labels (Danger – Hot) in place?	☐ Yes ☐ No
4.	Is integrity of compressed air lines acceptable?	☐ Yes ☐ No
5.	Are compressed air lines securely connected?	☐ Yes ☐ No
6.	Is air compressor oil compatible with piping (Synthetic oil and ABS piping are not)?	☐ Yes ☐ No
7.	The compressor coalescing filter is changed on a routine schedule?	☐ Yes ☐ No
8.	Has the oil been changed with the proper type?	☐ Yes ☐ No
9.	Has it been changed within 3 months?	☐ Yes ☐ No
10.	Have the air filters been inspected and replaced for the A/C and Filter/ Regulator?	☐ Yes ☐ No

COMMENTS:

System Inspection Corrective Action Form		
1.	Was a system inspection corrective action form generated from this inspection?	☒ Yes ☐ No
2.	Is the completed system inspection corrective action form attached to the checklist?	☒ Yes ☐ No

Completed inspections must be reviewed and acknowledged by the following:

	Title	Printed Name	Signature	Date
1.	Technician	M. Reisch		
2.	Project Engineer	Genevieve Bock	G. Bock	12/1/2020
3.	Project Manager	T. Palm		11-23-20