

New York State Department of Environmental Conservation Division of
Environmental Remediation

Periodic Review Report 2022

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

May 21, 2024



Periodic Review Report 2022

Keywell L.L.C. Vac-Air Division Site
300 Falconer Street
Frewsburg, NY 14738

Prepared for:
NYSDEC Division of Environmental Remediation
700 Delaware Avenue,
Buffalo, NY 14209

Prepared by:
Groundwater & Environmental Services, Inc.
6010 North Bailey Avenue, Suite 1
Amherst, NY 14226
TEL: 800-287-7857
www.gesonline.com

GES Project:
0901685

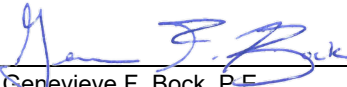
Date:
May 21, 2024



Owen Ogiony
Associate Geologist



Thomas D. Palmer
Senior Project Manager



Genevieve F. Bock, P.E.
Senior Engineering Manager



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Acronyms

AWQS	Ambient Water Quality Standards	PCB	polychlorinated biphenyl
AS	air stripper	P.E.	Professional Engineer
bgs	below ground surface	ppt	parts per trillion
CCU	Catalytic Combustion Unit	PRB	permeable reactive barrier
Class GA	Groundwater class	PRR	Periodic Review Report
DER	Division of Environmental Remediation	QA/QC	Quality Assurance/Quality Control
DTP	Depth to Product	RI/FS	Remedial Investigation/Feasibility Study
DTW	Depth to Water	ROD	Record of Decision
EC	engineering controls	SIM	selective ion monitoring
GES	Groundwater & Environmental Services, Inc.	Site	Keywell L.L.C. Vac-Air Division Site
gpm	gallons per minute	stormceptor	precast concrete oil/sediment/water separation unit
HDPE	high-density polyethylene	SVE	Soil Vapor Extraction
"Hg	inches of mercury	TCE	Trichloroethene
IC	institutional controls	TCL	Target Compound List
Keywell	Keywell LLC	TOGS 1.1.1	Technical and Operational Guidance Series 1.1.1
LNAPL	light non-aqueous phase liquid	TPE	total-phase extraction
MS/MSD	Matrix Spike/Matrix Spike Duplicate	TPH	total petroleum hydrocarbons
µg/m ³	micrograms per cubic meter	USEPA	United States Environmental Protection Agency
µg/L	micrograms per liter	VFD	Variable-Frequency Drive
ng/L	nanograms per liter	VLS	vapor/liquid separator
NYSDEC	New York State Department of Environmental Conservation	VOCs	Volatile Organic Compounds
OM&M	Post-Remedial Operation, Maintenance, & Monitoring		
OWS	oil water separator		

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 Venture, 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 2022:

- Semi-annual groundwater sampling and groundwater elevation measurements.
- Monthly system discharge sampling.
- Monthly system influent sampling.
- Transfer pump replacement.
- Variable Frequency Drive (VFD) Installation.
- 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 January 13, 2023. All engineering controls (ECs) outlined in the OM&M plan were found to be in good condition with no new evidence of damage except as noted below:
 - Portions of the paved cap (e.g., asphalt) covering the Site is cracked and has vegetation growing in cracks.

As outlined in the OM&M Plan, semi-annual groundwater monitoring and sampling events were conducted on April 5 through April 7, 2022, and October 31 through November 2, 2022. 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 2022 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 2022 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, multiple wells 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. Keywell 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 Allegheny 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). 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 RI/FS. 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 (EW-1 through EW-12).
- 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 (EW-13 through EW-18).
- 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 consisting of the 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, Groundwater & Environmental Services, Inc. (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.

From February 24 through March 12, 2020, a GES subcontractor, TREC Environmental, performed Geoprobe subsurface investigation at 93 locations that were probed to depths ranging from 10 feet bgs to 22 feet bgs.

On April 7 and April 8, 2020, GES took the on-Site water treatment system oil water separator (OWS) offline for cleaning. The OWS was bypassed directly to the air stripper (AS).

On June 6, 2020, GES performed electrical upgrades to the control panel to install remote access via a cellular based internet connection.

On November 6, 2020, GES installed a new bedding pump in the confined space vault.

On February 8, 2021, GES performed system upgrades by raising the knock-out tank and upgrading plumbing.

1.3 Recent Project Activities

Work performed at the Site during the 2022 period included:

- On February 11, 2022, a replacement transfer pump was installed. However, the pump failed again on September 2, 2022. Another replacement was ordered and will be installed in 2023.



- On February 8, 2022, a VFD was installed on the VLS transfer pump. The VFD allows GES to regulate pumping speeds of the transfer pump in order to maximize VOC treatment efficiency through the air stripper and maintain system operational uptime.
- On April 5, 2022, a Site-wide well gauging event took place. However; only 15 monitoring wells were gauged. The remaining piezometers and extraction wells were not gauged due to a miscommunication with the field staff.
- On April 5 through April 7, 2022, low-flow groundwater sampling spring event was performed at 16 wells. Normal Site groundwater sampling wells were analyzed for VOCs.
- On October 31 through November 2, 2022, low-flow groundwater sampling fall event was performed at seven (7) wells; well MW-12 was inadvertently not sampled due to a clerical error that was copied over from a previous event. Samples were analyzed for VOCs.
- On November 1, 2022, a Site-wide well gauging event took place. All 18 extraction wells along with 15 monitoring wells, two (2) piezometers, and one (1) staff gauge reading were completed. One (1) monitoring well and one (1) piezometer were not gauged due to area flooding and artesian conditions.
- On January 13, 2023, an annual site inspection took place. The inspection was originally planned in December, 2022 and had to be postponed due to site snow cover.
- Bi-weekly OM&M events were performed to maintain the system and monitor the Site throughout 2022.

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 GES personnel on January 13, 2023. Nearly all engineering controls (ECs) as outlined in the OM&M Plan were found to be in good condition and operating as designed with the exception of the asphalt cap which has deficiencies described in the next paragraph. 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 2023.

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, the only deficiency noted was that the paved cap was found to have cracks and vegetation growing through the



cracks. If the NYSDEC determines that asphalt cap repairs are required at the vacant Site, vegetation will need to be cleared and the cracks patched to restore the paved cap. 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, 16 monitoring wells, and three (3) piezometers. **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	Off-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 2022

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: 1. Target Compound List VOCs
Treatment Effluent	Monthly	Water	Routine Field Parameters 1. pH Laboratory Analytes 1. Target Compound List VOCs 2. Oil & Grease 3. Total Aluminum, Iron, and Zinc
Treatment Influent	Monthly	Water	Laboratory Analytes 1. 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 1664A (Oil & Grease). Samples were analyzed by Contest-Pace Analytical of East Longmeadow, MA under contract by the NYSDEC.

As outlined in the OM&M Plan, semi-annual groundwater monitoring and sampling events were conducted from April 5 through April 7, 2022 and October 31 through November 2, 2022. 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 2022 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 2022 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 2022 indicate that current groundwater conditions do not meet the NYSDEC TOGS 1.1.1 Class GA AWQS in multiple monitoring wells.

Results of the 2022 monitoring activities are summarized in **Tables 2** and **3**. Figures showing groundwater contouring for the gauging 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 treatment system is inspected annually by a licensed Professional Engineer (P.E.) or the P.E.'s designee. The annual system inspection form is included as **Appendix C**. During the 2022 period, the annual treatment system inspection was completed immediately after the period, on January 13, 2023.

The paved cap, namely the asphalt, is in poor condition and exhibiting cracking and vegetation growth. The remainder of the Site cover system is in good condition and operating as designed. The Site fence and gate are in good condition and working as designed. Additionally, there was evidence of Site security issues including minor vandalism.

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.

3.2 Groundwater Quality Monitoring

As outlined in the OM&M Plan, semi-annual groundwater monitoring and sampling was conducted by GES on April 5 through April 7, 2022 and October 31 through November 2, 2022. VOC data is presented in **Table 3** and laboratory analytical reports are included in **Appendix B**.

Groundwater monitoring results are summarized below:

Spring 2022 Groundwater Quality Results

2-Butanone (MEK) had exceedances in the following monitoring well samples:

- MW-3 at 120 µg/L (detected below the Reporting Limit, estimated concentration)
- MW-9R at 95 µg/L (detected below the Reporting Limit, estimated concentration)
- MW-11R at 68 µg/L (detected below the Reporting Limit, estimated concentration)

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

- MW-2 at 180 µg/L (detected below the Reporting Limit, estimated concentration)
- MW-9R at 6.6 µg/L (detected below the Reporting Limit, estimated concentration)

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

- MW-2 at 59,000 micrograms per liter (µg/L)
- MW-3 at 120 µg/L
- MW-4 at 1,800 µg/L
- MW-9R at 1,700 µg/L
- MW-11R at 91 µg/L (and at 110 µg/L in the Matrix Spike/Matrix Spike Duplicate [MS/MSD])
- MW-12 at 60 µg/L
- MW-13 at 380 µg/L
- MW-14 at 1,000 µg/L (and at 1,000 µg/L in the Field Duplicate)

trans-1,2-Dichloroethene had an exceedance in the following monitoring well sample:

- MW-2 at 180 µg/L (detected below the Reporting Limit, estimated concentration)
- MW-9R at 25 µg/L

Trichloroethene had exceedances in the following monitoring well samples:

- MW-3 at 2,400 µg/L
- MW-4 at 37,000 µg/L
- MW-9R at 340 µg/L
- MW-11R at 460 µg/L (and at 580 µg/L in the MS/MSD)
- MW-12 at 5,100 µg/L
- MW-13 at 620 µg/L
- MW-14 at 6,300 µg/L (and at 6,800 µg/L in the Field Duplicate)

Vinyl Chloride had exceedances in the following monitoring well samples:

- MW-2 at 35,000 µg/L
- MW-9R at 250 µg/L

- MW-11R at 3.0 µg/L (detected below the Reporting Limit, estimated concentration)
- MW-13 at 11 µg/L (detected below the Reporting Limit, estimated concentration)

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

Fall 2022 Groundwater Quality Results

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

- MW-2 at 220 µg/L (detected below the Reporting Limit, estimated concentration)
- MW-9R at 12 µg/L (detected below the Reporting Limit, estimated concentration)
- MW-11R at 7.2 µg/L (detected below the Reporting Limit, estimated concentration)

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

- MW-2 at 87,000 µg/L
- MW-3 at 190 µg/L
- MW-4 at 1,400 µg/L
- MW-9R at 2,300 µg/L
- MW-11R at 2,200 µg/L
- MW-13 at 1,900 µg/L
- MW-14 at 1,100 µg/L (and at 1,200 µg/L in the Field Duplicate)

trans-1,2-Dichloroethene had exceedances in the following monitoring well sample:

- MW-9R at 38 µg/L
- MW-11R at 19 µg/L (detected below the Reporting Limit, estimated concentration)
- MW-14 at 16 µg/L (detected below the Reporting Limit, estimated concentration from the Field Duplicate)

Trichloroethene had exceedances in the following monitoring well samples:

- MW-3 at 2,200 µg/L
- MW-4 at 34,000 µg/L
- MW-9R at 940 µg/L
- MW-11R at 4,000 µg/L
- MW-13 at 6,000 µg/L
- MW-14 at 6,400 µg/L (and at 6,700 µg/L in the Field Duplicate)

Vinyl Chloride had exceedances in the following monitoring well samples:

- MW-2 at 28,000 µg/L
- MW-9R at 670 µg/L

- MW-13 at 94 µg/L (detected below the Reporting Limit, estimated concentration)

The deep interval wells, MW-4D and MW-5D, were not sampled during the fall 2022 event.

2022 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), if present, was measured and recorded. No LNAPL was detected during the 2022 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 (April) 2022 (**Figure 3**) and Fall (November) 2022 (**Figure 4**) water level data.

Both the Spring (April) 2022 and Fall (November) 2022 gauging events were performed while the system was partially shut off. The Spring (April) 2022 event occurred while the extraction wells in the middle of the site were offline due to a damaged line; however, the extraction wells were not gauged. Therefore, **Figure 3** does not reflect the offline or online extraction wells. The Fall (November) 2022 event occurred while the system was partially off due to a broken transfer pump (no groundwater recovery from the extraction wells was occurring). The bedding pump and air stripper were on for the gauging event. The fall 2022 data show that the natural groundwater flow direction is to the north.

Previous years' groundwater contour maps show that there are variations in flow direction that are observed across the Site, but are minimal during normal system operation. The Site groundwater flow direction is primarily to the north, towards the barrier wall and the extraction wells during normal system operation.

Monitoring of the wells will continue on a semi-annual basis to continue to evaluate contamination levels and 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) 50 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 December 29, 2021 through February 11, 2022, the system treated 150,885 gallons of groundwater with an average flow rate of approximately 2.4 gallons per minute (gpm) predominantly from the sewer bedding pump.

On February 11, 2022, the VLS transfer pump was replaced and the system began normal operations. From February 11, 2022 through March 31, 2022, the system treated 798,051 gallons of groundwater with an average flow rate of approximately 11.5 gpm combined from the extraction wells and the sewer bedding pump.

On March 31, 2022, the system began to pump increasingly turbid water. It was later discovered that Trec Environmental had advanced a boring through the system line near EW-18 at the center of the site. The extraction line that connects to the extraction wells at the center of the site was closed. From March 31, 2022 through September 2, 2022, the system treated 1,028,225 gallons of groundwater with an average flow rate of approximately 4.8 gpm combined from one half of the extraction wells and the sewer bedding pump.

Starting on September 2, 2022, the VLS transfer pump began to experience issues and by September 7, 2022 it had failed resulting in only the sewer bedding pump running. From September 2, 2022 through December 28, 2022, the system treated 171,102 gallons of groundwater with an average flow rate of approximately 1.7 gpm predominantly from the sewer bedding pump.

The system up-time for 2022 period was approximately 97.81%, which takes system downtime into account due to standard system maintenance, repairs, and upgrades.

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

2022 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 2022 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 below effluent limits (10.0 µg/L) in 2022 with the exception of February (101 µg/L) and March 2022 (48.2 µg/L). The effluent water will continue to be sampled and monitored for exceedances of the effluent limits. The air stripper was evaluated for sources of inefficiency (e.g., clogging) and cleaned on April 5, 2022. Subsequent sampling results showed VOC concentrations were below effluent limits for the remainder of the year. 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 2022 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 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).
 - Monitoring well MW-2 concentrations are indicating an increasing trend since 2020, specifically related to concentrations of cis-1,2-dichloroethylene.
 - Modification of the Site ECs to address groundwater impacts at monitoring well MW-2 should be evaluated.
 - 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 to evaluate the extent of the source area contributing to groundwater concentrations observed at MW-2. This evaluation should be utilized to develop a remedial plan for the area surrounding monitoring well MW-2, downgradient of the current barrier system.
 - 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-3, MW-4, 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.
 - VOC concentrations at monitoring wells MW-3, MW-4, MW-13, and MW-14 appear to be increasing since 2022. Therefore, operation of the TPE system at the Site in 2022 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 2023 is recommended to observe if longer-term operation of the upgraded TPE system will reduce groundwater VOC concentrations at monitoring wells MW-3, MW-13, and MW-14. If VOC concentrations at these wells do not decrease in 2023, 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-3, MW-4, MW-13, and MW-14 should be evaluated.
3. Elevated groundwater VOC concentrations are still observed at off-Site monitoring well MW-12 based on April 2022 sampling results, 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 significantly modified by any Site work since GES took over OM&M activities in February 2016, with the exception of the groundwater treatment system process equipment and paved cap. The changes to the system can be found in Sections 1.2 and 1.3. Repairs to the asphalt cover where there are large cracks and vegetation growing through the asphalt is recommended.

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

- The system was partially down due to a broken transfer pump from December 29, 2021 through February 11, 2022. The system treated 150,885 gallons of groundwater with an average flow rate of approximately 2.4 gpm, predominantly from the sewer bedding pump during this time period.
- The system was fully operational from February 11, 2022 through March 31, 2022. The system treated 798,051 gallons of groundwater with an average flow rate of approximately 11.5 gpm during this time period.
- The system was partially down due to a subcontractor damaging the system line connecting to EW11 through EW18 from March 31, 2022 through September 2, 2022. The system treated 1,028,225 gallons of groundwater with an average flow rate of approximately 4.8 gpm combined from one half of the extraction wells and the sewer bedding pump during this time period.
- The system was partially down due to a broken transfer pump from September 2, 2022 through December 28, 2022. The system treated 171,102 gallons of groundwater with an average flow rate of approximately 1.7 gpm, predominantly from the sewer bedding pump, during this time period.
 - In comparison, during 2021 the system treated 4,145,141 gallons at an approximate flow rate of 10.7 gpm while fully operational and treated 347,828 gallons at an approximate flow rate of 2.6 gpm while partially operational.
- The groundwater treatment system uptime was 97.81% for the 2022 reporting period (operating either from the groundwater extraction wells and/or the sewer bedding pump). In comparison, the 2021 uptime was 94.03%. Uptime in 2022 was affected by system shut downs related to the extraction line damage along with normal downtime for system maintenance and cleaning.
 - Site groundwater concentration trends in 2023 should continue to be evaluated to determine if reductions in the groundwater VOC concentrations at monitoring wells MW-2, MW-3, 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 have 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 has shown DTW ranging from 2.8 feet bgs to 6.4 feet bgs across all 18 extraction wells during partial operation.
 - Site wide groundwater level measurements in 2022 were measured while the system was partially operational [either only a portion of the groundwater extraction wells were operational (April 2022) or only the sewer bedding pump was operational (November 2022)]. In **Figure 3** and **Figure 4**, groundwater contours indicate groundwater flows to the north. A Site-wide gauging event is planned for

early 2023 after the system repairs occur. Site-wide gauging events will continue to be conducted during 2023 while the system is operating normally to determine the effectiveness of groundwater depression.

- Increased pumping rates from the extraction wells in 2023 may increase the groundwater depression zone downgradient of the barrier wall, potentially increasing mitigation of the Site dissolved-phase VOC; therefore, preventing migration towards Conewango Creek.
- Installation of the transfer pump VFD is expected to increase system efficiency and uptime.
- The upcoming work described in Section 5.3 is expected to increase system efficiency and uptime.
- VOC concentrations remain elevated at monitoring wells MW-12 (to the west of Falconer Street in the direction of Municipal Supply Well 2A), MW-3, 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.
 - An evaluation of additional remedial measures to address these groundwater impacts should be completed after an additional year of TPE system operation.

5.3 Upcoming work

GES will conduct additional Site repairs and upgrades in 2023. This work has already been scheduled or is in the process of being scheduled and will take place throughout 2023.

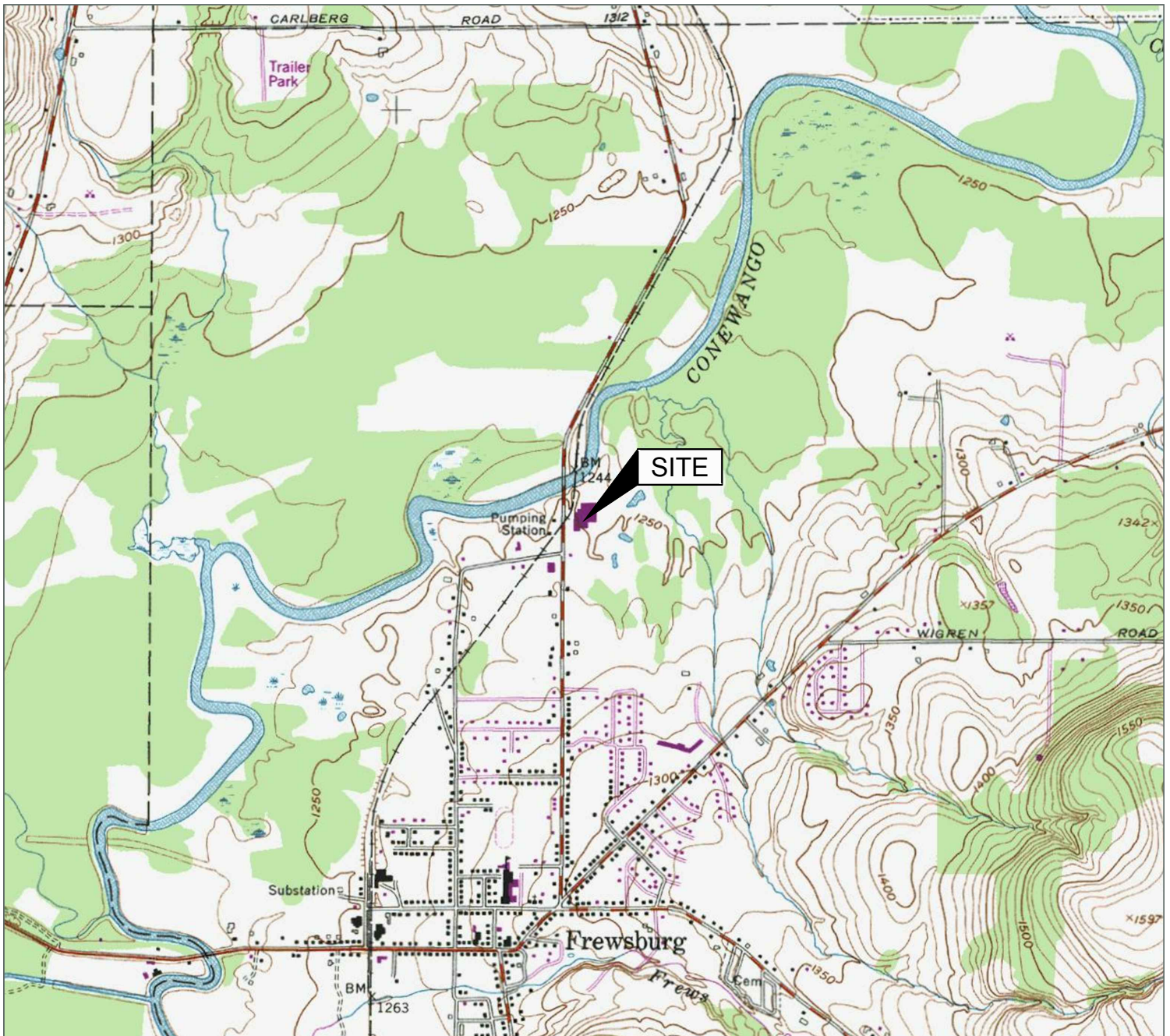
- System Line Repair - The system line that was damaged is scheduled to be repaired in January 2023.
- Municipal Water Line Repair - The municipal water line servicing the building housing the remediation system is scheduled to be repaired in January 2023.
- Transfer Pump Replacement - The transfer pump is scheduled to be repaired or replaced in January 2023. Once the new pump is repaired or replaced, the system will return to being fully operational.
- Well Development Evaluation - After the system line repair and transfer pump repair, the system wells will be evaluated to see if well development is necessary.

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 – Exceedances continued to occur in 2022. System analytical results for 2022 are presented in **Table 5** and **Table 6**. Effluent exceedances were observed in February and March 2022. Analytical data will continue to be tracked monthly throughout 2023 to determine whether or not the trend continues. However, installation of the VFD on the VLS transfer pump is expected to increase VOC treatment efficiency through the AS.
 - 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.
 - Paved Cap – The paved cap was found to be cracked with vegetation growing through the cracks. The paved cap will continue to be monitored. If the NYSDEC determines that cracks in the paved cap are an unacceptable detriment to the EC at the vacant site, the vegetation should be removed and the cracks sealed.
- 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-3, 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.
 - Investigation: In order to assess the source area location and extent around monitoring well MW-2, an investigation should be completed in this area downgradient of the existing barrier wall and groundwater extraction barrier. Results of this investigation could be utilized to complete a remedial option evaluation for the area around monitoring well MW-2.

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



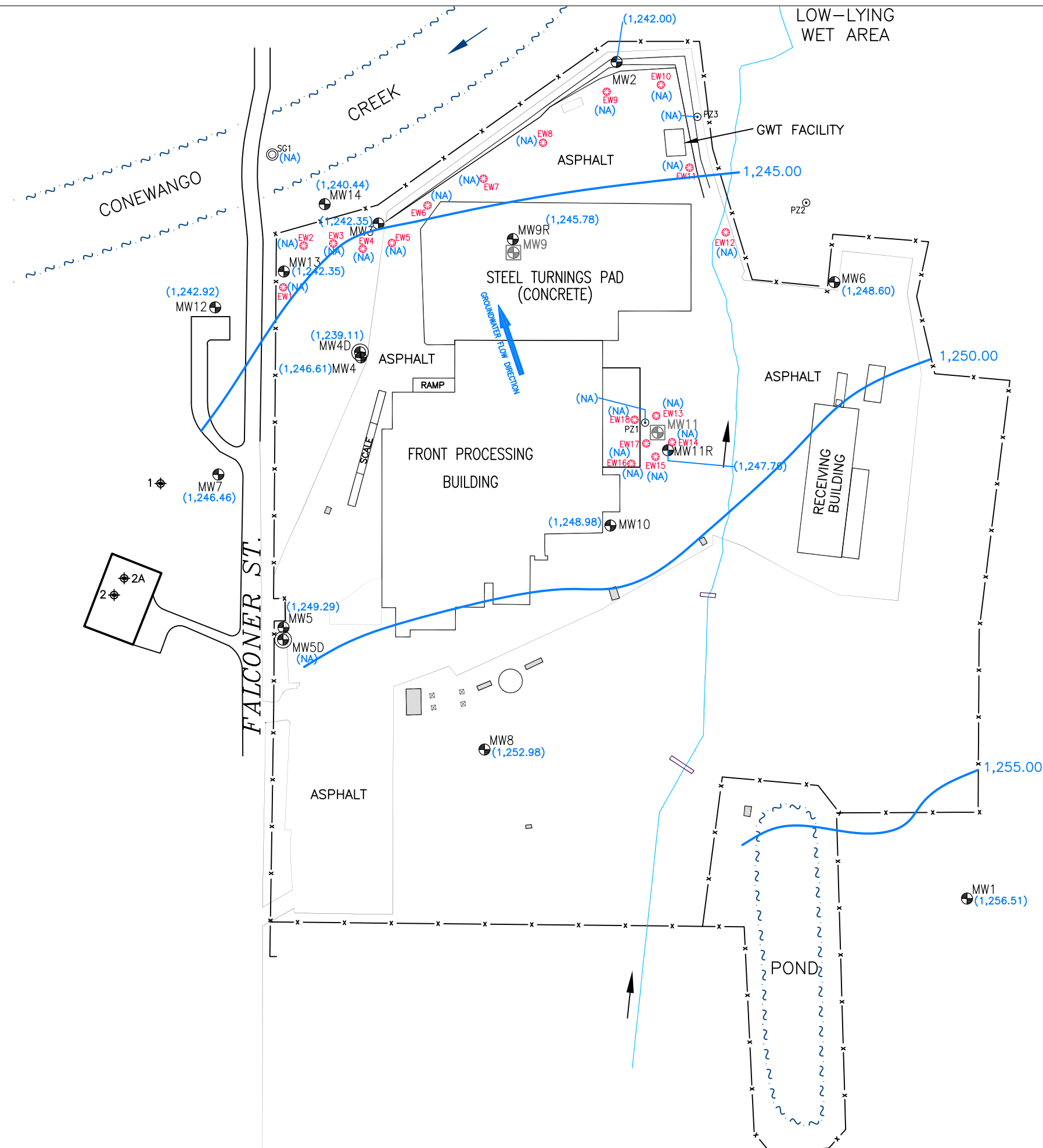
Date
2/6/19
Figure
1

Scale In Feet

0 2000



Groundwater & Environmental Services, Inc.



LEGEND

- x — FENCE
- BARRIER WALL
- SWALE/CULVERT
- SHALLOW MONITORING WELL
- DESTROYED/ABANDONED WELL
- ⊕ DEEP MONITORING WELL
- ⊗ EXTRACTION WELL
- PIEZOMETER
- ⊙ SURFACE WATER/STAFF GAUGE LOCATION
- (1,256.51) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR (feet)
- (NA) NOT AVAILABLE

NOTE:
MW4D AND MW5D ELEVATIONS ARE EXCLUDED FROM GROUNDWATER CONTOURS.

Groundwater Contour Map
April 5, 2022

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

Drawn
W.G.S.
Designed
Approved

Date
2/13/23
Figure
3

Scale In Feet
0 150

GES
Groundwater & Environmental Services, Inc.

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)	
			4/5/2022	11/1/2022	4/5/2022	11/1/2022
EW-1	1246.00	4	NM	2.80	NM	1,243.20
EW-2	1246.48	4	NM	4.26	NM	1,242.22
EW-3	1247.85	4	NM	5.24	NM	1,242.61
EW-4	1248.93	4	NM	6.40	NM	1,242.53
EW-5	1249.35	4	NM	6.00	NM	1,243.35
EW-6	1249.93	4	NM	5.74	NM	1,244.19
EW-7	1249.60	4	NM	6.28	NM	1,243.32
EW-8	1249.10	4	NM	4.89	NM	1,244.21
EW-9	1250.10	4	NM	6.39	NM	1,243.71
EW-10	1249.10	4	NM	5.84	NM	1,243.26
EW-11	1249.35	4	NM	4.45	NM	1,244.90
EW-12	1251.00	4	NM	5.98	NM	1,245.02
EW-13	1251.60	4	NM	4.69	NM	1,246.91
EW-14	1251.35	4	NM	3.20	NM	1,248.15
EW-15	1251.27	4	NM	3.02	NM	1,248.25
EW-16	1251.00	4	NM	2.97	NM	1,248.03
EW-17	1251.27	4	NM	3.66	NM	1,247.61
EW-18	1250.93	4	NM	3.89	NM	1,247.04
MW-1	1260.60	2	4.09	5.21	1,256.51	1,255.39
MW-2	1251.60	2	9.60	10.59	1,242.00	1,241.01
MW-3	1252.30	2	9.95	9.14	1,242.35	1,243.16
MW-4	1250.10	2	3.49	3.55	1,246.61	1,246.55
MW-4D	1249.37	2	10.26	9.04	1,239.11	1,240.33
MW-5	1256.50	2	7.21	7.82	1,249.29	1,248.68
MW-5D	1255.14	2	Obstruction	15.95	Obstruction	1,239.19
MW-6	1253.70	2	5.10	6.03	1,248.60	1,247.67
MW-7	1253.76	2	7.30	7.59	1,246.46	1,246.17
MW-8	1256.65	2	3.67	4.44	1,252.98	1,252.21
MW-9R	1249.88	2	4.10	4.24	1,245.78	1,245.64
MW-10	1253.50	2	4.52	5.09	1,248.98	1,248.41
MW-11R	1250.80	2	3.04	3.52	1,247.76	1,247.28
MW-12	1243.08	2	0.16	0.08	1,242.92	1,243.00
MW-13	1246.04	2	3.69	2.99	1,242.35	1,243.05
MW-14	1247.46	2	7.02	6.38	1,240.44	1,241.08
PZ-1	1250.22	2	NM	4.58	NM	1,245.64
PZ-2	1247.43	2	NM	4.12	NM	1,243.31
PZ-3	1250.82	2	NM	NM	NM	NM
SG-1	1253.91	2	NM	16.00	NM	1,234.82

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 4
Remedial System Operation Data 2022

Date	System Status on arrival (up/down)	System Status on departure (up/down)	System Sampled (Y/N)	Flow Rate (GPM)	Blower Vac (in./Hg)	KO Vac (in./Hg)	Vac Differential	Blower Discharge (PSI)	Blower Discharge Temp	Pump Pressure (PSI)	Bag 1 Pressure (PSI)	Bag 2 Pressure (PSI)	Bag Filters Changed	Stripper Pressure (PSI)	Stripper Flow (in./H2O)	Effluent pH	Transfer Pump Hourmeter	Total hours since last visit	Periodic Uptime	TPE Blower Hourmeter	Total hours since last visit	Periodic Uptime	Bedding Pump Hourmeter
8/9/2022	Up	Up	Yes	13.5	24	23	1.0	0	104	30	18	20	Yes	2	19	7	790.8	16.5	17.19%	4214.8	96.9	100.94%	4564.6
8/12/2022	Up	Up	No	13.3	23	22	1.0	0	4	33	19	21	Yes	2	20	6	802.2	11.4	15.83%	4284	69.2	96.11%	4633.9
8/16/2022	Up	Up	No	13.2	23	22	1.0	0	103	32	20	22	Yes	2	20	7	817.9	15.7	16.35%	4380.8	96.8	100.83%	4730.8
8/19/2022	Up	Up	No	13.3	23	22	1.0	0	106	33	19	17	Yes	2	20	7	829.3	11.4	15.83%	4454.4	73.6	102.22%	4804.2
8/23/2022	Up	Up	No	9.6	23	22	1.0	0	106	30	16	18	Yes	2	19	7	844.5	15.2	15.83%	4550	95.6	99.58%	4899.8
8/30/2022	Down	Up	No	12.4	23	22	1.0	0	104	31	17	19	Yes	2	18	7	864.4	19.9	11.85%	4673.6	123.6	73.57%	5023.3
9/2/2022	Down	Up	No	3.1	-	-	-	-	-	-	-	-	No	2	18	7	864.9	0.5	0.69%	4675.6	2.0	2.78%	5025.5
9/7/2022	Up*	Up*	No	3.2	0	0	-	0	-	-	-	-	No	2	18	7	864.9	0.0	0.00%	4675.6	0.0	0.00%	5144.8
9/13/2022	Up*	Up*	Yes	3	-	-	-	-	-	-	-	-	No	2	18	7	864.9	0.0	0.00%	4675.6	0.0	0.00%	5288.4
9/20/2022	Up*	Up*	No	3.1	-	-	-	-	-	-	-	-	No	2	18	7	864.9	0.0	0.00%	4675.6	0.0	0.00%	5456.2
9/23/2022	Up*	Up*	No	3.1	-	-	-	-	-	-	-	-	No	2	18	7	864.9	0.0	0.00%	4675.6	0.0	0.00%	5531.8
9/27/2022	Up*	Up*	No	4	-	-	-	-	-	-	-	-	No	2	19	7	864.9	0.0	0.00%	4675.6	0.0	0.00%	5623.1
9/30/2022	Up*	Up*	No	4	-	-	-	-	-	-	-	-	No	2	19	7	864.9	0.0	0.00%	4676.2	0.6	0.83%	5694.6
10/4/2022	Up*	Up*	No	4	-	-	-	-	-	-	-	-	No	2	20	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	5791.1
10/10/2022	Up*	Up*	Yes	4	-	-	-	-	-	-	-	-	No	2	16	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	5933.6
10/14/2022	Up*	Up*	No	4	-	-	-	-	-	-	-	-	No	2	17	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	6031.3
10/18/2022	Up*	Up*	No	-	-	-	-	-	-	-	-	-	No	2	17	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	6125.5
10/21/2022	Up*	Up*	No	-	-	-	-	-	-	-	-	-	No	2	18	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	6198.6
10/25/2022	Up*	Up*	No	3.5	-	-	-	-	-	-	-	-	No	2	18	6	864.9	0.0	0.00%	4676.2	0.0	0.00%	6294.8
11/3/2022	Up*	Up*	No	3.5	-	-	-	-	-	-	-	-	No	2	18	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	6509.4
11/15/2022	Up*	Up*	Yes	4	-	-	-	-	-	-	-	-	No	2	20	6	864.9	0.0	0.00%	4676.2	0.0	0.00%	6796.7
11/22/2022	Up*	Up*	No	4	-	-	-	-	-	-	-	-	No	2	19	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	6963.5
11/29/2022	Up*	Up*	No	-	-	-	-	-	-	-	-	-	No	2	19	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	7135.6
12/7/2022	Up*	Up*	No	1	-	-	-	-	-	-	-	-	No	2	19	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	7304.0
12/16/2022	Up*	Up*	No	2.4	-	-	-	-	-	-	-	-	No	2	19	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	7434.4
12/20/2022	Up*	Up*	Yes	4	-	-	-	-	-	-	-	-	No	2	20	6	864.9	0.0	0.00%	4676.2	0.0	0.00%	7465.1
12/23/2022	Up*	Up*	No	-	-	-	-	-	-	-	-	-	No	1	16	7	864.9	0.0	0.00%	4676.2	0.0	0.00%	7465.1
12/28/2022	Up*	Up*	No	4	-	-	-	-	-	-	-	-	No	2	18	6	864.9	0.0	0.00%	4676.2	0.0	0.00%	7511.3
Post-Line Compromise:																		609.3	9.33%		3549.0	54.37%	
System Total																		1163.2	13.32%		4748.1	54.35%	

Notes:
* - Only Air Stripper and Bedding Pump are online. Extraction wells offline. Line Compromise = A soil boring was advanced through the system line near EW-18 at the center of the site. The extraction line that connects to the extraction wells at the center of the site was closed to prevent sediment buildup
GPM = gallons per minute
psi = pounds per square inch
KO = knock-out
in./Hg = inches of mercury
in./H2O = inches of water

Table 4
Remedial System Operation Data 2022

Date	Total hours since last visit	Periodic Uptime	Stripper Blower Hourmeter	Total hours since last visit	Periodic Uptime	OWS Totalizer	Total Discharge	Calculated GPM	Skid Totalizer	Total Discharge	Calculated Influent GPM	Calculated TP/Air Stripper GPM	Operational Status
						Gallons	Gallons	GPM	Gallons	Gallons	GPM	GPM	
12/29/2021	207.9	96.25%	20585.2	206.7	95.69%	6379793	30075.0	2.4	0	0.0	0.0	0.0	Groundwater extraction sytem down, air stripper and bedding pump on. High Bedding alarm.
1/4/2022	141.1	97.99%	20725.7	140.5	97.57%	6400296	20503.0	2.4	0	0.0	0.0	0.0	Groundwater extraction sytem down, air stripper and bedding pump on.
1/11/2022	168.7	100.42%	20893.5	167.8	99.88%	6424934	24638.0	2.4	0	0.0	0.0	0.0	Groundwater extraction sytem down, air stripper and bedding pump on.
1/17/2022	145.4	100.97%	21038.3	144.8	100.56%	6446579	21645.0	2.5	0	0.0	0.0	0.0	Groundwater extraction sytem down, air stripper and bedding pump on.
1/25/2022	191.0	99.48%	21228.8	190.5	99.22%	6474912	28333.0	2.5	0	0.0	0.0	0.0	Groundwater extraction sytem down, air stripper and bedding pump on. High Bedding alarm.
1/27/2022	45.2	94.17%	21273.3	44.5	92.71%	6481836	6924.0	2.6	0	0.0	0.0	0.0	Groundwater extraction sytem down, air stripper and bedding pump on.
2/1/2022	115.5	96.25%	115.5	115.5	96.25%	6499476	17640.0	2.5	0	0.0	0.0	0.0	Groundwater extraction sytem down, air stripper and bedding pump on. High Bedding alarm. Hourmeter reset.
2/7/2022	148.4	103.06%	263.9	148.4	103.06%	6522240	22764.0	2.6	0	0.0	0.0	0.0	Groundwater extraction sytem down, air stripper and bedding pump on. Low temp alarm.
2/8/2022	18.2	75.83%	282.1	18.2	75.83%	6525046	2806.0	2.6	0	0.0	0.0	0.0	Groundwater extraction sytem down, air stripper and bedding pump on. High Bedding alarm.
2/11/2022	68.0	94.44%	350.1	68.0	94.44%	6530678	5632.0	1.4	0	0.0	0.0	0.0	Transfer pump replaced. System up, Normal Operation. High Bedding alarm.
2/15/2022	96.1	100.10%	446.3	96.2	100.21%	6547947	17269.0	3.0	54870	54870.0	9.6	39.1	System up, Normal Operation.High Bedding alarm.
2/18/2022	71.9	99.86%	518.1	71.8	99.72%	6570249	22302.0	5.2	93425	38555.0	8.9	35.5	System up, Normal Operation.High Bedding alarm. Flowmeter not reading on panel.
2/22/2022	99.0	103.13%	617.2	99.1	103.23%	6597422	27173.0	4.6	147364	53939.0	5.3	21.1	System up, Normal Operation. High Bedding alarm.
2/24/2022	47.4	98.75%	664.6	47.4	98.75%	6605582	8160.0	2.9	174076	26712.0	9.4	39.1	System up, Normal Operation.
3/1/2022	121.7	101.42%	786.4	121.8	101.50%	6624814	19232.0	2.6	239072	64996.0	8.9	38.6	System up, Normal Operation. High Bedding alarm.
3/4/2022	68.3	94.86%	864.2	77.8	108.06%	6643227	18413.0	4.5	275487	36415.0	8.9	36.8	System up, Normal Operation. High Bedding alarm.
3/8/2022	90.5	94.27%	948.9	84.7	88.23%	6658649	15422.0	2.8	321724	46237.0	8.5	38.7	System up, Normal Operation. High Bedding alarm.
3/11/2022	74.3	103.19%	1023.2	74.3	103.19%	6670253	11604.0	2.6	359142	37418.0	8.4	39.0	System up, Normal Operation. High Bedding alarm.
3/15/2022	96.1	100.10%	1119.4	96.2	100.21%	6694215	23962.0	4.2	408686	49544.0	8.6	35.6	System up, Normal Operation. High Bedding alarm.
3/18/2022	70.1	97.36%	1189.6	70.2	97.50%	6704053	9838.0	2.3	443016	34330.0	8.2	36.4	System up, Normal Operation. High Bedding alarm.
3/22/2022	97.1	101.15%	1286.6	97.0	101.04%	6716889	12836.0	2.2	490300	47284.0	8.1	36.8	System up, Normal Operation. High VLS alarm (resolved). High Bedding alarm.
3/25/2022	68.7	95.42%	1355.3	68.7	95.42%	6725647	8758.0	2.1	524194	33894.0	8.2	36.4	System up, Normal Operation. High Bedding alarm.
3/29/2022	95.7	99.69%	1451	95.7	99.69%	6737445	11798.0	2.1	570879	46685.0	8.3	35.7	System up, Normal Operation. Building Temp Alarm. High Bedding alarm.
3/31/2022	31.3	65.21%	1482.4	31.4	65.42%	6743899	6454.0	3.4	584830	13951.0	7.0	35.8	System off on arrival. High high high knock-out Alarm. Bag filters clogging quickly. Drillers damaged line when drilling on previous day.
Pre-Line Compromise:	2169.7	98.27%		2170.5	98.30%		394181.0	3.0		584830.0	4.4	21.0	
4/5/2022	116.4	97.00%	1602.1	119.7	99.75%	6751918	8019.0	1.1	610870	26040.0	3.6	29.9	System up, Operation on sewer pump and 1 header only. High bedding alarm. Cleaned AS and K/O tank. Oiled TPE Blower.
4/8/2022	68.6	95.28%	1674.7	72.6	100.83%	6756595	4677.0	1.1	632778	21908.0	5.3	45.1	System up, Operation on sewer pump and 1 header only. High bedding alarm. Reduced transfer pump VFD to 0% (PLC has VFD 0% set at 30 Hz). Troubleshoot hot water heater. Bedding pump keeps overloading. Complete CE Checks (1Q22).
4/12/2022	94.8	98.75%	1769.4	94.7	98.65%	6762771	6176.0	1.1	656698	23920.0	4.2	35.0	System up, Operation on sewer pump and 1 header only. High bedding alarm.
4/15/2022	72.4	100.56%	1841.9	72.5	100.69%	6767463	4692.0	1.1	674692	17994.0	4.1	34.9	System up, Operation on sewer pump and 1 header only. High bedding alarm. Change VFD to 60 Hz and 3%.
4/19/2022	98.3	102.40%	1940.2	98.3	102.40%	6782419	14956.0	2.5	699844	25152.0	4.3	34.9	System up, Operation on sewer pump and 1 header only.
4/22/2022	69.2	96.11%	2009.5	69.3	96.25%	6793053	10634.0	2.6	716810	16966.0	4.1	33.7	System up, Operation on sewer pump and 1 header only.
4/26/2022	92.7	96.56%	2102.1	92.6	96.46%	6801344	8291.0	1.5	739779	22969.0	4.1	53.2	System up, Operation on sewer pump and 1 header only. Change VFD to 30 Hz.
4/29/2022	73.6	102.22%	2175.7	73.6	102.22%	6813669	12325.0	2.8	756443	16664.0	3.8	19.3	System up, Operation on sewer pump and 1 header only.
5/3/2022	94.2	98.12%	2265.4	89.7	93.44%	6830182	16513.0	2.9	778507	22064.0	3.9	18.7	System up, Operation on sewer pump and 1 header only.
5/6/2022	69.6	96.67%	2341.7	76.3	105.97%	6834681	4499.0	1.1	795579	17072.0	4.1	20.3	System up, Operation on sewer pump and 1 header only. Reset bedding pump.
5/10/2022	95.6	99.58%	2437.3	95.6	99.58%	6849541	14860.0	2.6	818015	22436.0	3.9	19.2	System up, Operation on sewer pump and 1 header only. High, high sewer bedding pump.
5/13/2022	69.8	96.94%	2507.1	69.8	96.94%	6853539	3998.0	1.0	834473	16458.0	3.9	21.1	System up, Operation on sewer pump and 1 header only. High, high sewer bedding pump.
5/17/2022	101.2	105.42%	2608.3	101.2	105.42%	6859025	5486.0	0.9	857523	23050.0	3.8	20.3	System up, Operation on sewer pump and 1 header only. High, high sewer bedding pump.
5/24/2022	165.9	98.75%	2774.3	166.0	98.81%	6867959	8934.0	0.9	896638	39115.0	3.9	20.8	System up, Operation on sewer pump and 1 header only. High, high sewer bedding pump.
5/27/2022	71.8	99.72%	2846	71.7	99.58%	6872226	4267.0	1.0	914856	18218.0	4.2	22.2	System up, Operation on sewer pump and 1 header only. High, high sewer bedding pump.
6/1/2022	124.1	103.42%	2965.2	119.2	99.33%	6878949	6723.0	0.9	943022	28166.0	3.9	19.8	System up, Operation on sewer pump and 1 header only. Reset bedding pump.
6/3/2022	39.2	81.67%	3014	48.8	101.67%	6881410	2461.0	1.0	954499	11477.0	4.9	21.3	System up, Operation on sewer pump and 1 header only. High, high sewer bedding pump.
6/7/2022	95.5	99.48%	3108.5	94.5	98.44%	6886480	5070.0	0.9	977804	23305.0	3.9	22.1	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
6/10/2022	71.8	99.72%	3180.4	71.9	99.86%	6890429	3949.0	0.9	995122	17318.0	4.0	22.4	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
6/13/2022	74.2	103.06%	3264.5	84.1	116.81%	6891015	586.0	0.1	1013280	18158.0	4.1	22.4	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
6/17/2022	95.6	99.58%	3350	85.5	89.06%	6891022	7.0	0.0	1036428	23148.0	3.7	22.4	System up, Operation on sewer pump and 1 header only. High bedding+high building temp alarm reset.
6/21/2022	101.5	105.73%	3451.6	101.6	105.83%	6891025	3.0	0.0	1061111	24683.0	4.5	21.8	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
6/23/2022	10.7	22.29%	3463	11.4	23.75%	6891026	1.0	0.0	1063506	2395.0	3.8	22.2	System down on arrival. Operation on sewer pump and 1 header only. High bedding+high floor sump alarm reset. Standing water found in building due to partially opened valve. Valve is now closed and not leaking.
6/28/2022	119.9	99.92%	3583	120.0	100.00%	6891034	8.0	0.0	1094018	30512.0	4.2	21.6	System up, Operation on sewer pump and 1 header only. High bedding+high building temp alarm reset.
7/1/2022	72.7	100.97%	3655.7	72.7	100.97%	6891037	3.0	0.0	1112934	18916.0	4.3	24.6	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
7/6/2022	117.4	97.83%	3774	118.3	98.58%	6891044	7.0	0.0	1141071	28137.0	4.0	22.7	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
7/12/2022	140.3	97.43%	3917.1	143.1	99.37%	6891048	4.0	0.0	1176790	35719.0	4.3	24.1	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
7/15/2022	72.9	101.25%	3989.5	72.4	100.56%	6891052	4.0	0.0	1194633	17843.0	4.1	22.9	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
7/19/2022	95.1	99.06%	4086	96.5	100.52%	6891060	8.0	0.0	1217007	22374.0	3.9	22.3	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
7/22/2022	72.0	100.00%	4158.1	72.1	100.14%	6891060	0.0	0.0	1235873	18866.0	4.7	24.0	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
7/26/2022	97.1	101.15%	4254.2	96.1	100.10%	6891070	10.0	0.0	1259770	23897.0	3.9	24.0	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
7/29/2022	72.4	100.56%	4325.7	71.5	99.31%	6891082	12.0	0.0	1277279	17509.0	4.0	22.6	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
8/2/2022	94.5	98.44%	4421.1	95.4	99.38%	6891084	2.0	0.0	1301762	24483.0	4.3	24.4	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
8/5/2022	68.4	95.00%	4493.4	72.3	100.42%	6891005	-79.0	0.0	1320571	18809.0	4.6	25.9	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.



Table 4
Remedial System Operation Data 2022

Date	Total hours since last visit	Periodic Uptime	Stripper Blower Hourmeter	Total hours since last visit	Periodic Uptime	OWS Totalizer	Total Discharge	Calculated GPM	Skid Totalizer	Total Discharge	Calculated Influent GPM	Calculated TP/Air Stripper GPM	Operational Status
						Gallons	Gallons		Gallons	Gallons			
8/9/2022	96.9	100.94%	4590.3	96.9	100.94%	6891085	80.0	0.0	1344439	23868.0	4.1	24.1	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
8/12/2022	69.3	96.25%	4659.6	69.3	96.25%	6891085	0.0	0.0	1362162	17723.0	4.3	25.9	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
8/16/2022	96.9	100.94%	4756.4	96.8	100.83%	6891085	0.0	0.0	1387859	25697.0	4.4	27.3	System up, Operation on sewer pump and 1 header only. High bedding alarm reset.
8/19/2022	73.4	101.94%	4830	73.6	102.22%	6891088	3.0	0.0	1406740	18881.0	4.3	27.6	System up, Operation on sewer pump and 1 header only. Bedding pump cycling.
8/23/2022	95.6	99.58%	4925.6	95.6	99.58%	6891091	3.0	0.0	1430502	23762.0	4.1	26.1	System up, Operation on sewer pump and 1 header only.
8/30/2022	123.5	73.51%	5049.4	123.8	73.69%	6891096	5.0	0.0	1463505	33003.0	4.5	27.6	System down on arrival. System back online. Operation on sewer pump and 1 header only. High VLS alarm reset. High bedding alarm reset
9/2/2022	2.2	3.06%	5051.6	2.2	3.06%	6891096	0.0	0.0	1465858	2353.0	19.6	78.4	System down on arrival. Restarted system. SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. High VLS alarm reset.
9/7/2022	119.3	99.42%	5170.9	119.3	99.42%	6891097	1.0	0.0	1465858	0.0	0.0	0.0	Restarted system. SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
9/13/2022	143.6	99.72%	5314.5	143.6	99.72%	6891098	1.0	0.0	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
9/20/2022	167.8	99.88%	5482.2	167.7	99.82%	6891098	0.0	0.0	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
9/23/2022	75.6	105.00%	5558.8	76.6	106.39%	154982	0.0	0.0	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. New OSW Totalizer installed (starting value of 154,982 gallons).
9/27/2022	91.3	95.10%	5650.1	91.3	95.10%	164090	9108.0	1.7	-	0.0	0.0	0.0	High bedding alarm. SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. CE Checklist performed.
9/30/2022	71.5	99.31%	5723.7	73.6	102.22%	182044	17954.0	4.2	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. High bedding alarm, reset. KO Tank cleaned.
10/4/2022	96.5	100.52%	5818.6	94.9	98.85%	198977	16933.0	2.9	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. Low building temp alarm, reset.
10/10/2022	142.5	98.96%	5953.9	135.3	93.96%	205492	6515.0	0.8	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
10/14/2022	97.7	101.77%	6062	108.1	112.60%	205498	6.0	0.0	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. Flowmeter clogged.
10/18/2022	94.2	98.12%	6156.1	94.1	98.02%	-	-	-	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. Flow meter not working.
10/21/2022	73.1	101.53%	6229.1	73.0	101.39%	-	-	-	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. Flow meter working.
10/25/2022	96.2	100.21%	6325.3	96.2	100.21%	219213	13718.0	2.4	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
11/3/2022	214.6	99.35%	6539.9	214.6	99.35%	238740	19527.0	1.5	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. High bedding alarm, reset.
11/15/2022	287.3	99.76%	6827.2	287.3	99.76%	239686	946.0	0.1	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
11/22/2022	166.8	99.29%	6994.1	166.9	99.35%	272329	32643.0	3.3	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. High Bedding and Low Temp alarms.
11/29/2022	172.1	102.44%	7167.1	173.0	102.98%	294157	21828.0	2.1	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. High Bedding and Low Temp alarms.
12/7/2022	168.4	87.71%	7334.8	167.7	87.34%	294835	678.0	0.1	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. Low Temp alarm.
12/16/2022	130.4	60.37%	7574	239.2	110.74%	294835	0.0	0.0	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only. Low Temp alarm.
12/20/2022	30.7	31.98%	7665.2	91.2	95.00%	306429	11594.0	6.3	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
12/23/2022	0.0	0.00%	7665.2	0.0	0.00%	306429	0.0	0.0	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
12/28/2022	46.2	38.50%	7856.7	191.5	159.58%	326079	19650.0	7.1	-	0.0	0.0	0.0	SVE sytem down, air stripper and bedding pump on. Operation on sewer pump and 1 header only.
Post-Line Compromise:	6064.3	92.90%		6374.3	97.65%		318299.0	0.8		881028.0	2.2	17.7	
System Total	8202.7	93.90%		8544.8	97.81%		682405.0	1.3		1465858.0	2.8	21.0	

Notes:

* - Only Air Stripper and Bedding Pump are online. Extraction wells offline.

GPM = gallons per minute

psi = pounds per square inch

KO = knock-out

in./Hg = inches of mercury

in./H2O = inches of water

Line Compromise = A soil boring was advanced through the system line near EW-18 at the center of the site. The extraction line that connects to the extraction wells at the center of the site was closed to prevent sediment buildup.

Table 5
Monthly Treatment
Effluent Data

Parameter	Units	Measurement Frequency	Effluent Limits (Daily Max.)	1/25/2022	2/15/2022	3/8/2022	4/15/2022	5/6/2022	6/7/2022	7/12/2022	8/9/2022	9/13/2022	10/10/2022	11/15/2022	12/20/2022
Total TCL VOCs	ug/L	Monthly	10	ND	101	48.2	3.8	ND	2.4	1.7	0.4	ND	ND	ND	ND
Aluminum	mg/L	Monthly	2,700	ND<0.050	ND<0.050	ND<0.050	0.020 J	ND<0.050	ND<0.050	0.017 J	ND<0.050	ND<0.050	ND<0.050	0.030 J	ND<0.050
Iron	mg/L	Monthly	2,000	0.17	2.7	1.9	4.7	1.8	3.2	5.5	1.8	0.057	0.20	5.6	0.53
Zinc	mg/L	Monthly	400	0.020	0.26	0.021	0.010	ND<0.010	0.80	0.0097 J	0.025	0.014	0.018	0.039	0.035
Oil & Grease	mg/L	Monthly	15	ND<1.4	ND<1.4	ND<1.6	ND<1.4	1.8	0.90 J	1.1 J	ND<1.4	1.0 J	ND<1.4	ND<2.8	0.60 J

Notes:

mg/L = milligrams per litre

ug/L = micrograms per liter

Bold values exceed the historic permitted discharge of 10 ug/L.

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 = Target Compound List

VOCs = Volatile Organic Compounds

VOCs are reported as a sum of cis-1,2-DCE, Vinyl Chloride, and TCE

Table 6
System VOC Summary



Sample Date	Concentration (ug/L)				
	cis-1,2-DCE	TCE	Vinyl Chloride	Acetone	Total TCL VOCs
Influent					
1/25/2022	ND<1.0	ND<1.0	ND<2.0	ND<50	ND
2/15/2023	1,900	1,800	60	ND<1200	3,760
3/8/2022	2,800	3,100	130	ND<2500	6,030
4/15/2022	3,000	940	82	170 J	4,022
5/6/2022	3,200	1,200	100	ND<2000	4,500
6/7/2022	4,200	1,500	280	ND<2500	5,980
7/12/2022	4,000	1,500	150	ND<2500	5,650
8/9/2022	4,100	1,600	590	ND<2500	6,290
9/13/2022	520	15	38	ND<250	573
10/10/2022	780	25	110	ND<250	915
11/15/2022	490	200	35	11 J	725
12/20/2022	610	420	26	ND<250	1,056
Effluent					
1/25/2022	ND<1.0	ND<1.0	ND<2.0	ND<50	ND
2/15/2023	69	32	ND<2.0	ND<50	101
3/8/2022	30	18	0.21 J	5.1 J	48.2
4/15/2022	3.8 J	ND<5.0	ND<10	37 J	3.8
5/6/2022	ND<1.0	ND<1.0	ND<2.0	ND<50	ND
6/7/2022	2.1	0.29 J	ND<2.0	4.9 J	2.4
7/12/2022	1.5	0.19 J	ND<2.0	8.8 J	1.7
8/9/2022	0.40 J	ND<1.0	ND<2.0	3.8 J	0.40
9/13/2022	ND<1.0	ND<1.0	ND<2.0	9.7 J	ND
10/10/2022	ND<1.0	ND<1.0	ND<2.0	16 J	ND
11/15/2022	ND<1.0	ND<1.0	ND<2.0	8.2 J	ND
12/20/2022	ND<1.0	ND<1.0	ND<2.0	12 J	ND

Notes:

ug/L = micrograms per liter

Bold values exceed the historic permitted discharge of 10 ug/L.

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 = Target Compound List

VOCs = Volatile Organic Compounds

VOCs are reported as a sum of cis-1,2-DCE, Vinyl Chloride, and TCE

Appendix A – Groundwater Sampling Logs

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	4.09
Date:	4/5/2022	Depth to Bottom of Well (ft, TOC)	15.00
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	10.91
Well ID:	MW-1	Volume of Water in Well (gal)	1.75

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
10:45	4.09	8.1	7.77	0.36	133.0	2.56	0.00
10:50	4.31	7.8	7.77	0.356	113.5	2.09	0.00
10:55	4.31	7.9	7.73	0.356	87.8	1.90	0.00
11:00	4.33	7.9	7.69	0.356	71.1	1.88	0.00
11:05	4.33	8.0	7.68	0.357	60.2	1.82	0.00
11:10	4.34	8.0	7.67	0.357	52.0	1.63	0.00
11:15	4.34	8.0	7.67	0.357	46.7	1.64	0.00
11:20	4.34	8.1	7.65	0.358	42.7	1.53	0.00
11:25	4.34	8.1	7.65	0.358	41.1	1.49	0.00
11:30	4.34	8.2	7.65	0.359	41.1	1.46	0.00
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	10:45	Notes:	Sample Time	gal purged
Purge End Time:	11:30		11:30	NR
Weather:	Clear, 50s			
Purge/Sampled by	GE			

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	9.60
Date:	4/7/2022	Depth to Bottom of Well (ft, TOC)	15.30
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	5.70
Well ID:	MW-2	Volume of Water in Well (gal)	0.91

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
9:25	9.68	8.90	6.32	1.81	-62.3	4.45	32.2
9:30	9.74	9.00	6.35	1.385	-75.8	1.12	15.6
9:35	9.78	8.80	6.42	1.121	-86.4	0.89	36.5
9:40	9.79	8.80	6.44	1.100	-88.4	0.85	44.2
9:45	9.80	8.80	6.45	1.078	-91.0	0.82	52.2
9:50	9.82	8.80	6.46	1.065	-93.7	0.81	57.3
9:55	9.84	8.80	6.47	1.057	-95.9	0.80	65.6
10:00	9.85	8.80	6.48	1.050	-97.6	0.80	66.8
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	9:25	Notes:	Sample Time	gal purged
Purge End Time:	10:00		10:00	NR
Weather:	Rain, 40s			
Purge/Sampled by	GE			

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	9.95
Date:	4/6/2022	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)	2.09

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
15:00	10.53	11.0	7.88	0.431	55.8	2.04	34
15:05	11.63	10.9	7.82	0.428	40.4	1.15	35
15:10	12.91	10.7	7.82	0.426	21.5	1.02	24
15:15	14.63	10.6	7.83	0.424	10.7	1.02	27
15:20	16.22	10.8	7.81	0.426	6.1	1.00	36
15:25	16.94	11.0	7.80	0.427	4.3	1.02	29
15:30	17.81	11.1	7.78	0.428	3.5	1.05	19
15:35	18.24	11.2	7.74	0.427	2.6	1.05	36
15:40	18.66	11.3	7.71	0.428	-4.3	1.14	34
15:45	18.90	11.4	7.68	0.428	-18.5	1.17	37
15:50	19.09	11.4	7.66	0.426	-22.1	1.07	42
15:55	19.33	11.4	7.64	0.427	-1.6	1.09	39
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	15:00	Notes:	Sample Time	gal purged
Purge End Time:	15:55		16:00	NR
Weather:	Cloudy, 50s			
Purge/Sampled by	GE			

NR - No reading recorded

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	3.49
Date:	4/6/2022	Depth to Bottom of Well (ft, TOC)	20.30
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	16.81
Well ID:	MW-4	Volume of Water in Well (gal)	2.69

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
11:00	3.87	10.1	7.77	0.462	88.5	2.73	15.5
11:05	4.02	9.9	7.64	0.470	11.1	1.04	27.0
11:10	4.04	9.9	7.66	0.450	-40.6	0.89	16.2
11:15	4.05	10.0	7.68	0.435	-40.2	0.84	10.4
11:20	4.05	10.0	7.68	0.430	-39.4	0.82	10.3
11:25	4.05	10.0	7.69	0.428	-40.3	0.80	6.4
11:30	4.05	10.1	7.69	0.420	-38.0	0.78	6.2
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	11:00	Notes:	Sample Time	gal purged
Purge End Time:	11:30		11:30	NR
Weather:	Cloudy, 50s			
Purge/Sampled by	GE			

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	10.26
Date:	4/6/2022	Depth to Bottom of Well (ft, TOC)	42.00
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	31.74
Well ID:	MW-4D	Volume of Water in Well (gal)	5.08

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
11:40	11.16	11.70	7.89	0.076	38.5	7.36	60
11:45	12.24	12.00	7.30	0.057	49.0	6.34	70
11:50	12.93	12.00	7.00	0.067	78.3	6.14	73
11:55	13.15	11.90	7.03	0.099	91.5	6.05	86
12:00	13.26	11.90	7.22	0.324	110.4	6.03	47
12:05	13.28	11.90	7.36	0.450	110.7	6.45	30
12:10	13.25	11.90	7.49	0.565	109.7	7.11	45
12:15	13.27	11.90	7.51	0.586	110.8	7.35	15
12:20	13.27	11.90	7.52	0.604	112.4	7.75	16
12:25	13.28	12.00	7.52	0.607	112.9	7.79	27
12:30	13.28	12.00	7.52	0.615	114.1	7.83	30
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	11:40	Notes:	Sample Time	gal purged
Purge End Time:	12:30		12:30	NR
Weather:				
Purge/Sampled by				

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	7.21
Date:	4/5/2022	Depth to Bottom of Well (ft, TOC)	21.00
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	13.79
Well ID:	MW-5	Volume of Water in Well (gal)	2.21

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
11:40	11.16	11.7	7.89	0.076	38.5	7.36	60
11:45	12.24	12.0	7.30	0.057	49.0	6.34	70
11:50	12.93	12.0	7.00	0.067	78.3	6.14	73
11:55	13.15	11.9	7.03	0.099	91.5	6.05	86
12:00	13.26	11.9	7.22	0.324	110.4	6.03	47
12:05	13.28	11.9	7.36	0.450	110.7	6.45	30
12:10	13.25	11.9	7.49	0.565	109.7	7.11	45
12:15	13.27	11.9	7.51	0.586	110.8	7.35	15
12:20	13.27	11.9	7.52	0.604	112.4	7.75	16
12:25	13.28	12.0	7.52	0.607	112.9	7.79	27
12:30	13.28	12.0	7.52	0.615	114.1	7.83	30
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	11:40	Notes:	Sample Time	gal purged
Purge End Time:	12:30		12:30	NR
Weather:				
Purge/Sampled by	GE			

NR - No reading recorded
Well casing obstructed and unable to be gauged

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	5.10
Date:	4/7/2022	Depth to Bottom of Well (ft, TOC)	14.90
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	9.80
Well ID:	MW-6	Volume of Water in Well (gal)	1.57

Meter(s): YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
8:40	5.15	7.60	7.12	0.448	22.3	3.82	MAX
8:45	5.30	7.50	6.88	0.443	-12.6	2.01	MAX
8:50	5.32	7.60	6.84	0.446	-16.6	1.29	65.0
8:55	5.35	7.60	6.82	0.451	-23.6	1.00	18.3
9:00	5.35	7.60	6.82	0.455	-30.9	0.94	12.2
9:05	5.35	7.60	6.83	0.453	-33.5	0.92	9.3
9:10	5.35	7.60	6.83	0.454	-36.5	0.91	11.3
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	8:40	Notes:	Sample Time	gal purged
Purge End Time:	9:10		9:10	NR
Weather:	Lt Rain 40s			
Purge/Sampled by	GE			

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	7.30
Date:	4/6/2022	Depth to Bottom of Well (ft, TOC)	25.15
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	17.85
Well ID:	MW-7	Volume of Water in Well (gal)	2.86

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
9:40	7.63	11.7	7.64	0.541	103.3	3.05	max
9:45	7.71	11.7	7.43	0.538	101.4	0.87	max
9:50	7.72	11.7	7.46	0.536	91.0	0.80	90.00
9:55	7.72	11.7	7.46	0.538	71.0	0.77	47.00
10:00	7.71	11.8	7.46	0.539	53.7	0.77	27.00
10:05	7.71	11.8	7.46	0.540	35.8	0.76	13.60
10:10	7.71	11.8	7.46	0.541	21.1	0.75	10.50
10:15	7.70	11.8	7.46	0.542	10.8	0.75	7.62
10:20	7.69	11.8	7.47	0.538	5.5	0.76	5.70
10:25	7.70	11.8	7.46	0.542	-0.4	0.74	3.05
10:30	7.71	11.9	7.47	0.543	-2.4	0.74	2.90
10:35	7.71	11.9	7.47	0.541	-3.7	0.74	3.18
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	9:40	Notes:	Sample Time	gal purged
Purge End Time:	10:35		10:35	NR
Weather:	Cloudy 50s			
Purge/Sampled by	GE			

NR - No reading recorded

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	3.67
Date:	4/5/2022	Depth to Bottom of Well (ft, TOC)	19.40
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	15.73
Well ID:	MW-8	Volume of Water in Well (gal)	2.52

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
12:00	3.70	9.70	7.80	0.376	89.6	2.38	40.0
12:05	3.71	8.80	7.77	0.367	69.9	0.97	22.8
12:10	3.71	8.50	7.78	0.364	57.2	0.91	17.0
12:15	3.71	8.40	7.74	0.367	48.6	0.88	12.0
12:20	3.71	8.40	7.68	0.376	43.6	0.86	11.3
12:25	3.71	8.40	7.62	0.382	38.6	0.85	10.0
12:30	3.71	8.20	7.58	0.386	35.7	0.84	9.2
12:35	3.71	8.50	7.56	0.391	34.9	0.83	9.2
12:40	3.71	8.30	7.54	0.393	34.6	0.83	9.3
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	12:00	Notes:	Sample Time	gal purged
Purge End Time:	12:40		12:40	NR
Weather:	Clear 50s			
Purge/Sampled by	GE			

NR - No reading recorded

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	4.10
Date:	4/7/2022	Depth to Bottom of Well (ft, TOC)	21.70
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	17.60
Well ID:	MW-9R	Volume of Water in Well (gal)	2.82

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
10:10	4.58	10.40	7.38	1.11	-79.4	1.44	44.01
10:15	4.71	10.60	7.41	1.125	-80.8	0.98	45.61
10:20	4.85	10.80	7.42	1.143	-88.5	0.81	76.43
10:25	4.86	10.80	7.40	1.161	-88.4	1.12	52.70
10:30	4.89	10.90	7.40	1.165	-89.6	0.79	38.42
10:35	4.89	10.80	7.40	1.172	-90.5	0.76	48.23
10:40	4.89	10.80	7.39	1.180	-91.1	0.75	52.38
10:45	4.80	10.90	7.39	1.186	-92.0	0.74	50.23
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	10:10	Notes:	Sample Time	gal purged
Purge End Time:	10:45		10:45	NR
Weather:	Lt Rain 40s			
Purge/Sampled by	GE			

NR - No reading recorded

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	4.52
Date:	4/5/2022	Depth to Bottom of Well (ft, TOC)	14.75
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	10.23
Well ID:	MW-10	Volume of Water in Well (gal)	1.64

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
14:00	5.09	11.80	8.04	0.30	-48.60	2.53	5.90
14:05	5.45	11.60	7.96	0.297	-134.80	1.04	3.40
14:10	5.72	11.60	8.01	0.291	-162.60	0.88	10.15
14:15	5.82	11.50	8.03	0.290	-171.70	0.85	7.91
14:20	5.94	11.50	8.10	0.287	-180.40	0.87	5.98
14:25	6.03	11.30	8.21	0.284	-188.60	0.90	24.90
14:30	6.04	11.40	8.25	0.286	-189.10	0.93	19.46
14:35	6.08	11.30	8.21	0.283	-186.20	0.88	20.18
14:40							
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	14:00	Notes:	Sample Time	gal purged
Purge End Time:	14:40		14:40	NR
Weather:	Clear 50s			
Purge/Sampled by	GE			

NR - No reading recorded

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	3.04
Date:	4/5/2022	Depth to Bottom of Well (ft, TOC)	15.00
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	11.96
Well ID:	MW-11R	Volume of Water in Well (gal)	1.91

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
14:50	3.45	10.80	7.47	0.413	55.2	2.49	81.60
14:55	4.03	10.40	7.23	0.411	31.0	0.83	7.46
15:00	4.04	10.30	7.23	0.414	33.9	0.80	2.86
15:05	4.05	10.30	7.23	0.416	35.5	0.78	2.34
15:10	4.05	10.30	7.22	0.424	37.5	0.77	1.58
15:15	4.05	10.30	7.21	0.438	39.8	0.76	0.86
15:20	4.06	10.30	7.20	0.443	41.7	0.75	0.49
15:25	4.04	10.20	7.20	0.448	53.1	0.75	0.16
15:30	4.04	10.20	7.20	0.449	53.5	0.74	0.13
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	14:50	Notes:	Sample Time	gal purged
Purge End Time:	15:30		15:30	NR
Weather:	Clear 50s		MS/MSD Collected	
Purge/Sampled by	GE			

NR - No reading recorded

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	0.16
Date:	4/6/2022	Depth to Bottom of Well (ft, TOC)	9.90
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	9.74
Well ID:	MW-12	Volume of Water in Well (gal)	1.56

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
8:45	0.71	7.8	7.90	0.522	97.9	1.97	2.55
8:50	1.45	7.7	7.72	0.522	97.8	1.11	2.03
8:55	1.92	7.8	7.68	0.525	96.0	1.00	0.60
9:00	2.24	7.8	7.68	0.526	92.0	0.95	0.75
9:05	2.48	7.9	7.68	0.526	89.2	0.94	0.90
9:10	2.64	8.1	7.68	0.527	85.4	0.91	1.77
9:15	2.70	8.1	7.68	0.527	81.5	0.96	15.20
9:20	2.69	8.2	7.67	0.529	77.3	0.95	11.03
9:25	2.69	8.2	7.67	0.530	73.8	1.00	10.30
9:30	2.69	8.2	7.67	0.530	71.2	1.01	7.62
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	8:45	Notes:	Sample Time	gal purged
Purge End Time:	9:30		9:30	NR
Weather:	Clear 50s			
Purge/Sampled by	GE			

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	3.69
Date:	4/6/2022	Depth to Bottom of Well (ft, TOC)	18.40
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	14.71
Well ID:	MW-13	Volume of Water in Well (gal)	2.35

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
12:50	4.73	9.90	8.29	0.378	-116.3	1.59	max
12:55	6.10	10.10	8.20	0.382	-117.9	2.80	max
13:00	6.88	10.40	8.19	0.390	-181.8	0.88	107.0
13:05	7.47	10.80	8.07	0.406	-168.4	0.87	110.0
13:10	7.68	11.00	7.94	0.416	-121.5	1.80	50.0
13:15	7.89	10.60	7.87	0.425	-149.9	0.82	67.0
13:20	8.12	10.70	7.74	0.444	-140.6	0.77	22.2
13:25	8.28	10.70	7.68	0.452	-132.6	0.75	22.0
13:30	8.28	10.40	7.66	0.449	-128.1	0.76	34.6
13:35	8.41	10.40	7.60	0.457	-120.2	0.77	10.8
13:40	8.40	10.40	7.57	0.463	-117.1	0.75	8.8
13:45	8.40	10.50	7.55	0.468	-114.6	0.74	10.3
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	12:50	Notes:	Sample Time	gal purged
Purge End Time:	13:45		13:45	NR
Weather:	Clear 50s			
Purge/Sampled by	GE			

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	7.02
Date:	4/6/2022	Depth to Bottom of Well (ft, TOC)	20.70
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	13.68
Well ID:	MW-14	Volume of Water in Well (gal)	2.19

Meter(s):							
YSI Pro DSS 46287							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
14:00	7.43	9.70	7.75	0.445	-31.40	2.04	max
14:05	8.16	9.10	7.55	0.434	-33.20	1.55	120
14:10	8.53	9.20	7.57	0.433	-58.50	1.16	88
14:15	8.70	9.20	7.58	0.432	-66.80	1.11	88
14:20	8.79	9.30	7.57	0.431	-73.40	1.03	58
14:25	8.89	9.30	7.57	0.430	-77.70	0.94	42
14:30	8.91	9.30	7.57	0.430	-77.40	0.92	33
14:35	8.95	9.20	7.56	0.428	-77.80	0.90	23
14:40	8.94	9.20	7.56	0.430	-77.20	0.87	24
14:45	8.95	9.30	7.56	0.430	-77.30	0.87	19.7
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	14:00	Notes:	Sample Time	gal purged
Purge End Time:	14:45		14:45	NR
Weather:	Clear 50s		DUP Collected	
Purge/Sampled by	GE			

NR - No reading recorded

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	10.59
Date:	11/2/2022	Depth to Bottom of Well (ft, TOC)	15.31
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	4.72
Well ID:	MW-2	Volume of Water in Well (gal)	0.76

Meter(s):							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)*	Turbidity (NTU)**
8:15	10.77	14.30	6.15	1644	-73.0	0.15	-0.15
8:18	10.80	14.30	6.18	1519	-82.4	-0.09	-0.58
8:21	10.82	14.40	6.19	1486	-84.9	-0.11	-0.28
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	8:15	Notes:	Sample Time	gal purged
Purge End Time:	8:21		8:25	1
Weather:	Cloudy, 40s			
Purge/Sampled by	JP			

* - Dissolved Oxygen meter reading negative despite recalibrations

** - Negative Turbidity issue experienced. Fixed by recalibration for subsequent wells.

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	9.14
Date:	10/31/2022	Depth to Bottom of Well (ft, TOC)	23.19
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	14.05
Well ID:	MW-3	Volume of Water in Well (gal)	2.25

Meter(s):							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)*	Turbidity (NTU)
15:10	12.33	16.5	7.28	476.2	80.2	0.07	34.63
15:15	13.72	16.6	7.34	472.8	77.2	0.03	42.98
15:20	14.53	16.5	7.37	473.2	73.7	3.00	55.20
15:25	Cleaned YSI Probe						
15:30	15.14	16.2	7.44	479.3	72.4	0.23	13.19
15:35	15.43	16.3	7.35	481.8	57.6	-0.02	9.90
15:38	15.60	16.3	7.35	481.4	55.0	-0.03	11.30
15:41	15.81	16.3	7.35	483.1	51.7	-0.05	10.63
15:45	16.20	16.3	7.35	485.0	48.5	-0.07	11.66
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	15:10	Notes:	Sample Time	gal purged
Purge End Time:	15:45		15:48	3
Weather:	Overcast			
Purge/Sampled by	JP			

* - Dissolved Oxygen meter reading negative despite recalibrations

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	3.73
Date:	11/2/2022	Depth to Bottom of Well (ft, TOC)	20.79
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	17.06
Well ID:	MW-4	Volume of Water in Well (gal)	2.73

Meter(s):							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)*	Turbidity (NTU)
10:03	4.10	17.0	7.20	818	10.0	0.03	3.61
10:06	4.17	17.2	7.30	758	5.5	-0.08	3.13
10:09	4.22	17.3	7.35	720	3.6	-0.11	4.26
10:12	4.23	17.3	7.37	699	2.0	-0.08	4.67
10:15	4.23	17.3	7.37	690	-0.3	-0.15	3.45
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	10:03	Notes:	Sample Time	gal purged
Purge End Time:	10:15		10:15	2
Weather:	Cloudy, 40s			
Purge/Sampled by	JP			

* - Dissolved Oxygen meter reading negative despite recalibrations

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	4.24
Date:	11/1/2022	Depth to Bottom of Well (ft, TOC)	21.72
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	17.48
Well ID:	MW-9R	Volume of Water in Well (gal)	2.80

Meter(s):							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)*	Turbidity (NTU)
14:40	5.27	15.60	7.06	1497	-8.20	-0.05	21.78
14:43	5.30	15.70	7.04	1500	-15.60	-0.09	1.81
14:46	5.34	15.80	7.04	1503	-20.30	-0.11	14.80
14:49	5.39	15.90	7.02	1505	-25.20	-0.13	3.06
14:52	5.51	15.90	7.01	1504	-27.80	-0.14	11.02
14:55	5.42	16.00	7.00	1501	-30.40	-0.14	3.38
15:00	5.44	16.00	6.98	1487	-34.00	-0.12	4.81
15:03	Cleaned YSI Probe						
15:05	5.58	16.00	6.92	1464	24.40	0.24	6.12
15:08	5.62	16.00	6.94	1493	-10.80	-0.09	4.08
15:12	5.67	16.00	6.95	1512	-36.10	-0.16	18.98
15:15	5.68	16.10	6.95	1519	-45.50	-0.18	19.40
15:18	5.69	16.10	6.95	1524	-51.9	-0.19	0.96
15:21	5.70	16.10	6.95	1524	-56.1	-0.20	1.61
15:24	5.71	16.10	6.95	1520	-58.1	-0.21	1.42
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	14:40	Notes:	Sample Time	gal purged
Purge End Time:	15:25		15:30	4
Weather:	Lt Rain 40s			
Purge/Sampled by	JP			

* - Dissolved Oxygen meter reading negative despite recalibrations

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	3.52
Date:	11/2/2022	Depth to Bottom of Well (ft, TOC)	15.05
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	11.53
Well ID:	MW-11R	Volume of Water in Well (gal)	1.84

Meter(s):							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)*	Turbidity (NTU)
9:03	4.30	16.5	7.14	450.1	-56.8	-0.09	53.14
9:06	4.32	16.5	7.14	445.6	-49.0	-0.12	57.21
9:09	4.34	16.6	7.13	448.0	-44.4	-0.14	24.25
9:12	4.36	16.7	7.13	452.8	-43.2	-0.15	18.75
9:15	4.34	16.7	7.11	463.0	-40.7	-0.15	12.12
9:18	4.33	16.8	7.09	476.8	-38.9	-0.16	12.53
9:21	4.33	16.8	7.08	486.1	-38.3	-0.16	13.16
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	9:03	Notes:	Sample Time	gal purged
Purge End Time:	9:22		9:25	2
Weather:	Cloudy 40s			
Purge/Sampled by	JP			

* - Dissolved Oxygen meter reading negative despite recalibrations

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	2.99
Date:	11/1/2022	Depth to Bottom of Well (ft, TOC)	18.51
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	15.52
Well ID:	MW-13	Volume of Water in Well (gal)	2.48

Meter(s):							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (uS/cm)	ORP	DO (mg/L)*	Turbidity (NTU)
9:35	5.23	13.80	7.99	341.800	-85.60	-0.11	38.43
9:40	6.09	13.80	7.94	452.800	-149.70	-0.15	34.01
9:45	6.35	13.90	7.83	380.600	-180.80	-0.18	15.32
9:50	6.57	13.90	7.78	496.300	-192.30	-0.19	14.69
9:55	6.80	13.90	7.65	521.000	-196.70	-0.21	6.08
10:00	6.92	14.00	7.55	530.000	-190.40	-0.22	9.55
10:03	7.12	14.00	7.51	531.000	-187.70	-0.23	2.93
10:06	7.10	14.00	7.50	530.000	-185.70	-0.23	3.65
10:10	7.17	14.00	7.47	533.000	-182.60	-0.24	3.71
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	9:35	Notes:	Sample Time	gal purged
Purge End Time:	10:10		10:10	4
Weather:	Cloudy 50s		MS/MSD Collected	
Purge/Sampled by	JP			

* - Dissolved Oxygen meter reading negative despite recalibrations

WELL PURGING RECORD

LOW-FLOW SAMPLING METHOD



Site:	NYSDEC Frewsburg	Well Diameter (ID):	2"
Project #:	0901650	Initial Depth to Water (ft, TOC)	6.38
Date:	11/1/2022	Depth to Bottom of Well (ft, TOC)	20.67
Sampling Device:	Peristaltic Pump	Feet of Water in Well (ft)	14.29
Well ID:	MW-14	Volume of Water in Well (gal)	2.29

Meter(s):							
Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)*	Turbidity (NTU)
12:30	7.66	12.7	7.36	547	-35.70	0.13	6.21
12:35	7.76	12.7	7.35	543	-39.00	0.05	11.74
12:40	7.79	12.7	7.35	539	-42.30	0.06	11.27
12:45	7.88	12.7	7.33	538	-45.60	0.01	4.65
12:48	7.92	12.7	7.33	539	-47.00	0.02	3.09
12:51	7.95	12.8	7.32	539	-48.30	-0.03	2.68
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	12:30	Notes:	Sample Time	gal purged
Purge End Time:	12:51		13:00	3
Weather:	Rain		DUP Collected	
Purge/Sampled by	JP			

* - Dissolved Oxygen meter reading negative despite recalibrations

Appendix B – Laboratory Analytical Reports

January 6, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer st, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22D0546
PWSID# 907134

Enclosed are results of analyses for samples as received by the laboratory on April 8, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 1/6/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22D0546

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer st, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-1	22D0546-01	Water		SW-846 8260D	
MW-2	22D0546-02	Water		SW-846 8260D	
MW-3	22D0546-03	Water		SW-846 8260D	
MW-4	22D0546-04	Water		SW-846 8260D	
MW-4D	22D0546-05	Water		SW-846 8260D	
MW-5	22D0546-06	Water		SW-846 8260D	
MW-5D	22D0546-07	Water		SW-846 8260D	
MW-6	22D0546-08	Water		SW-846 8260D	
MW-7	22D0546-09	Water		SW-846 8260D	
MW-8	22D0546-10	Water		SW-846 8260D	
MW-9	22D0546-11	Water		SW-846 8260D	
MW-10	22D0546-12	Water		SW-846 8260D	
MW-11	22D0546-13	Water		SW-846 8260D	
MW-12	22D0546-14	Water		SW-846 8260D	
MW-13	22D0546-15	Water		SW-846 8260D	
MW-14	22D0546-16	Water		SW-846 8260D	
4/5/22 MS/MSD	22D0546-17	Water		SW-846 8260D	
4/6/22 DUP	22D0546-18	Water		SW-846 8260D	
Trip Blank	22D0546-19	Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED 12/30/22: Report revised to include RL/MDL for Total Xylene results.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260D

Qualifications:**DL-01**

Elevated reporting limits for all volatile compounds due to foaming sample matrix.

Analyte & Samples(s) Qualified:

22D0546-08[MW-6]

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Methyl Acetate**

B305476-BSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:**cis-1,2-Dichloroethylene**

B305476-MSD1

Trichloroethylene

B305476-MSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**Chloromethane**

22D0546-01[MW-1], 22D0546-02[MW-2], 22D0546-03[MW-3], 22D0546-04[MW-4], 22D0546-05[MW-4D], 22D0546-06[MW-5], 22D0546-07[MW-5D], 22D0546-08[MW-6], 22D0546-09[MW-7], 22D0546-10[MW-8], 22D0546-11[MW-9], 22D0546-12[MW-10], 22D0546-13[MW-11], 22D0546-14[MW-12], 22D0546-15[MW-13], 22D0546-16[MW-14], 22D0546-17[4/5/22 MS/MSD], 22D0546-18[4/6/22 DUP], 22D0546-19[Trip Blank], B305476-BLK1, B305476-BS1, B305476-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22D0546-02[MW-2], 22D0546-03[MW-3], 22D0546-04[MW-4], 22D0546-11[MW-9], 22D0546-13[MW-11], 22D0546-14[MW-12], 22D0546-15[MW-13], 22D0546-16[MW-14], 22D0546-17[4/5/22 MS/MSD], 22D0546-18[4/6/22 DUP]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**Chloromethane**

22D0546-01[MW-1], 22D0546-02[MW-2], 22D0546-03[MW-3], 22D0546-04[MW-4], 22D0546-05[MW-4D], 22D0546-06[MW-5], 22D0546-07[MW-5D], 22D0546-08[MW-6], 22D0546-09[MW-7], 22D0546-10[MW-8], 22D0546-11[MW-9], 22D0546-12[MW-10], 22D0546-13[MW-11], 22D0546-14[MW-12], 22D0546-15[MW-13], 22D0546-16[MW-14], 22D0546-17[4/5/22 MS/MSD], 22D0546-18[4/6/22 DUP], 22D0546-19[Trip Blank], B305476-BLK1, B305476-BS1, B305476-BSD1, B305476-MS1, B305476-MSD1, S070278-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Methyl Acetate**

B305476-BS1, B305476-BSD1, B305476-MS1, B305476-MSD1, S070278-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopycinski
Laboratory Director

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-1

Sampled: 4/5/2022 11:30

Sample ID: 22D0546-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, R-05	SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-1

Sampled: 4/5/2022 11:30

Sample ID: 22D0546-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:03	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	82.1	70-130	
Toluene-d8	96.5	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-2

Sampled: 4/7/2022 10:00

Sample ID: 22D0546-02

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	25000	1000	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Benzene	ND	500	100	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Bromochloromethane	ND	500	150	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Bromodichloromethane	ND	250	90	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Bromoform	ND	500	190	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Bromomethane	ND	1000	770	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
2-Butanone (MEK)	ND	10000	810	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Carbon Disulfide	ND	2500	720	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Carbon Tetrachloride	ND	2500	82	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Chlorobenzene	ND	500	53	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Chlorodibromomethane	ND	250	110	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Chloroethane	ND	1000	160	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Chloroform	ND	1000	84	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Chloromethane	ND	1000	260	µg/L	500	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Cyclohexane	ND	2500	880	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	2500	400	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,2-Dibromoethane (EDB)	ND	250	85	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,2-Dichlorobenzene	ND	500	61	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,3-Dichlorobenzene	ND	500	59	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,4-Dichlorobenzene	ND	500	65	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Dichlorodifluoromethane (Freon 12)	ND	1000	96	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,1-Dichloroethane	ND	500	71	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,2-Dichloroethane	ND	500	150	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,1-Dichloroethylene	180	500	71	µg/L	500	J	SW-846 8260D	4/11/22	4/12/22 8:09	EEH
cis-1,2-Dichloroethylene	59000	500	73	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
trans-1,2-Dichloroethylene	180	500	84	µg/L	500	J	SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,2-Dichloropropane	ND	500	91	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
cis-1,3-Dichloropropene	ND	250	79	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
trans-1,3-Dichloropropene	ND	250	84	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,4-Dioxane	ND	25000	10000	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Ethylbenzene	ND	500	110	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
2-Hexanone (MBK)	ND	5000	560	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Isopropylbenzene (Cumene)	ND	500	54	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Methyl Acetate	ND	500	230	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Methyl tert-Butyl Ether (MTBE)	ND	500	86	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Methyl Cyclohexane	ND	500	120	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Methylene Chloride	ND	2500	120	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
4-Methyl-2-pentanone (MIBK)	ND	5000	640	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Styrene	ND	500	53	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,1,2,2-Tetrachloroethane	ND	250	63	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Tetrachloroethylene	ND	500	94	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Toluene	ND	500	110	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,2,3-Trichlorobenzene	ND	2500	150	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,2,4-Trichlorobenzene	ND	500	120	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-2

Sampled: 4/7/2022 10:00

Sample ID: 22D0546-02

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	500	84	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,1,2-Trichloroethane	ND	500	91	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Trichloroethylene	ND	500	95	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Trichlorofluoromethane (Freon 11)	ND	1000	88	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	110	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Vinyl Chloride	35000	1000	100	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH
Xylenes (total)	ND	500	500	µg/L	500		SW-846 8260D	4/11/22	4/12/22 8:09	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	82.1	70-130	
Toluene-d8	95.6	70-130	
4-Bromofluorobenzene	99.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-3

Sampled: 4/6/2022 11:30

Sample ID: 22D0546-03

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2000	81	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Benzene	ND	40	8.0	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Bromochloromethane	ND	40	12	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Bromodichloromethane	ND	20	7.2	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Bromoform	ND	40	15	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Bromomethane	ND	80	62	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
2-Butanone (MEK)	120	800	65	µg/L	40	J	SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Carbon Disulfide	ND	200	58	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Carbon Tetrachloride	ND	200	6.6	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Chlorobenzene	ND	40	4.2	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Chlorodibromomethane	ND	20	8.9	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Chloroethane	ND	80	13	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Chloroform	ND	80	6.7	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Chloromethane	ND	80	21	µg/L	40	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Cyclohexane	ND	200	70	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	32	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,2-Dibromoethane (EDB)	ND	20	6.8	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,2-Dichlorobenzene	ND	40	4.9	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,3-Dichlorobenzene	ND	40	4.7	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,4-Dichlorobenzene	ND	40	5.2	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Dichlorodifluoromethane (Freon 12)	ND	80	7.7	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,1-Dichloroethane	ND	40	5.7	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,2-Dichloroethane	ND	40	12	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,1-Dichloroethylene	ND	40	5.7	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
cis-1,2-Dichloroethylene	120	40	5.9	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
trans-1,2-Dichloroethylene	ND	40	6.7	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,2-Dichloropropane	ND	40	7.2	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
cis-1,3-Dichloropropene	ND	20	6.3	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
trans-1,3-Dichloropropene	ND	20	6.7	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,4-Dioxane	ND	2000	820	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Ethylbenzene	ND	40	8.6	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
2-Hexanone (MBK)	ND	400	45	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Isopropylbenzene (Cumene)	ND	40	4.3	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Methyl Acetate	ND	40	18	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Methyl tert-Butyl Ether (MTBE)	ND	40	6.9	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Methyl Cyclohexane	ND	40	9.8	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Methylene Chloride	ND	200	9.4	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	400	51	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Styrene	ND	40	4.2	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,1,2,2-Tetrachloroethane	ND	20	5.1	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Tetrachloroethylene	ND	40	7.5	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Toluene	ND	40	9.0	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,2,3-Trichlorobenzene	ND	200	12	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,2,4-Trichlorobenzene	ND	40	9.9	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-3

Sampled: 4/6/2022 11:30

Sample ID: 22D0546-03

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	40	6.8	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,1,2-Trichloroethane	ND	40	7.3	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Trichloroethylene	2400	40	7.6	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Trichlorofluoromethane (Freon 11)	ND	80	7.0	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	9.1	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Vinyl Chloride	ND	80	8.3	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH
Xylenes (total)	ND	40	40	µg/L	40		SW-846 8260D	4/11/22	4/12/22 7:42	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	82.4	70-130	
Toluene-d8	96.4	70-130	
4-Bromofluorobenzene	100	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-4

Sampled: 4/6/2022 11:30

Sample ID: 22D0546-04

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20000	810	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Benzene	ND	400	80	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Bromochloromethane	ND	400	120	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Bromodichloromethane	ND	200	72	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Bromoform	ND	400	150	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Bromomethane	ND	800	620	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
2-Butanone (MEK)	ND	8000	650	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Carbon Disulfide	ND	2000	580	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Carbon Tetrachloride	ND	2000	66	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Chlorobenzene	ND	400	42	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Chlorodibromomethane	ND	200	89	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Chloroethane	ND	800	130	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Chloroform	ND	800	67	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Chloromethane	ND	800	210	µg/L	400	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Cyclohexane	ND	2000	700	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	2000	320	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,2-Dibromoethane (EDB)	ND	200	68	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,2-Dichlorobenzene	ND	400	49	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,3-Dichlorobenzene	ND	400	47	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,4-Dichlorobenzene	ND	400	52	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	800	77	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,1-Dichloroethane	ND	400	57	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,2-Dichloroethane	ND	400	120	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,1-Dichloroethylene	ND	400	57	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
cis-1,2-Dichloroethylene	1800	400	59	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
trans-1,2-Dichloroethylene	ND	400	67	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,2-Dichloropropane	ND	400	72	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
cis-1,3-Dichloropropene	ND	200	63	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
trans-1,3-Dichloropropene	ND	200	67	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,4-Dioxane	ND	20000	8200	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Ethylbenzene	ND	400	86	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
2-Hexanone (MBK)	ND	4000	450	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Isopropylbenzene (Cumene)	ND	400	43	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Methyl Acetate	ND	400	180	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	400	69	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Methyl Cyclohexane	ND	400	98	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Methylene Chloride	ND	2000	94	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	4000	510	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Styrene	ND	400	42	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,1,2,2-Tetrachloroethane	ND	200	51	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Tetrachloroethylene	ND	400	75	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Toluene	ND	400	90	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,2,3-Trichlorobenzene	ND	2000	120	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,2,4-Trichlorobenzene	ND	400	99	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-4

Sampled: 4/6/2022 11:30

Sample ID: 22D0546-04

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	400	68	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,1,2-Trichloroethane	ND	400	73	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Trichloroethylene	37000	400	76	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Trichlorofluoromethane (Freon 11)	ND	800	70	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	400	91	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Vinyl Chloride	ND	800	83	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH
Xylenes (total)	ND	400	400	µg/L	400		SW-846 8260D	4/11/22	4/12/22 8:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.8	70-130	
Toluene-d8	96.5	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-4D

Sampled: 4/6/2022 12:30

Sample ID: 22D0546-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-4D

Sampled: 4/6/2022 12:30

Sample ID: 22D0546-05

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 7:15	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	81.4	70-130	
Toluene-d8	95.4	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-5

Sampled: 4/5/2022 13:40

Sample ID: 22D0546-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-5

Sampled: 4/5/2022 13:40

Sample ID: 22D0546-06

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:30	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	81.6	70-130	
Toluene-d8	95.8	70-130	
4-Bromofluorobenzene	100	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-5D

Sampled: 4/7/2022 08:30

Sample ID: 22D0546-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-5D

Sampled: 4/7/2022 08:30

Sample ID: 22D0546-07

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	81.2	70-130	
Toluene-d8	95.4	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-6

Sampled: 4/7/2022 09:10

Sample ID: 22D0546-08

Sample Matrix: Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	25	200	8.1	µg/L	4	J	SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Bromoform	ND	4.0	1.5	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Bromomethane	ND	8.0	6.2	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
2-Butanone (MEK)	44	80	6.5	µg/L	4	J	SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Chloromethane	ND	8.0	2.1	µg/L	4	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Cyclohexane	ND	20	7.0	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,1-Dichloroethylene	ND	4.0	0.57	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
cis-1,2-Dichloroethylene	ND	4.0	0.59	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
trans-1,2-Dichloroethylene	ND	4.0	0.67	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.69	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Tetrachloroethylene	ND	4.0	0.75	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-6

Sampled: 4/7/2022 09:10

Sample ID: 22D0546-08

Sample Matrix: Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Trichloroethylene	ND	4.0	0.76	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.0	0.91	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Vinyl Chloride	ND	8.0	0.83	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH
Xylenes (total)	ND	4.0	4.0	µg/L	4		SW-846 8260D	4/11/22	4/12/22 6:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	82.7	70-130	
Toluene-d8	96.4	70-130	
4-Bromofluorobenzene	102	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-7

Sampled: 4/6/2022 10:35

Sample ID: 22D0546-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-7

Sampled: 4/6/2022 10:35

Sample ID: 22D0546-09

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 4:57	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.0	70-130	
Toluene-d8	94.2	70-130	
4-Bromofluorobenzene	99.9	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-8

Sampled: 4/5/2022 12:40

Sample ID: 22D0546-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-8

Sampled: 4/5/2022 12:40

Sample ID: 22D0546-10

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 5:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	81.5	70-130	
Toluene-d8	96.4	70-130	
4-Bromofluorobenzene	99.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-9

Sampled: 4/7/2022 10:45

Sample ID: 22D0546-11

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1000	41	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Benzene	ND	20	4.0	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Bromochloromethane	ND	20	6.1	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Bromodichloromethane	ND	10	3.6	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Bromoform	ND	20	7.7	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Bromomethane	ND	40	31	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
2-Butanone (MEK)	95	400	32	µg/L	20	J	SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Carbon Disulfide	ND	100	29	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Carbon Tetrachloride	ND	100	3.3	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Chlorobenzene	ND	20	2.1	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Chlorodibromomethane	ND	10	4.4	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Chloroethane	ND	40	6.4	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Chloroform	ND	40	3.4	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Chloromethane	ND	40	10	µg/L	20	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Cyclohexane	ND	100	35	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	16	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,2-Dibromoethane (EDB)	ND	10	3.4	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,2-Dichlorobenzene	ND	20	2.4	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,3-Dichlorobenzene	ND	20	2.4	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,4-Dichlorobenzene	ND	20	2.6	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Dichlorodifluoromethane (Freon 12)	ND	40	3.8	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,1-Dichloroethane	ND	20	2.8	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,2-Dichloroethane	ND	20	6.2	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,1-Dichloroethylene	6.6	20	2.8	µg/L	20	J	SW-846 8260D	4/11/22	4/12/22 9:04	EEH
cis-1,2-Dichloroethylene	1700	20	2.9	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
trans-1,2-Dichloroethylene	25	20	3.4	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,2-Dichloropropane	ND	20	3.6	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
cis-1,3-Dichloropropene	ND	10	3.2	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
trans-1,3-Dichloropropene	ND	10	3.4	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,4-Dioxane	ND	1000	410	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Ethylbenzene	ND	20	4.3	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
2-Hexanone (MBK)	ND	200	22	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Isopropylbenzene (Cumene)	ND	20	2.2	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Methyl Acetate	ND	20	9.1	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Methyl tert-Butyl Ether (MTBE)	ND	20	3.4	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Methyl Cyclohexane	ND	20	4.9	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Methylene Chloride	ND	100	4.7	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
4-Methyl-2-pentanone (MIBK)	ND	200	26	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Styrene	ND	20	2.1	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,1,2,2-Tetrachloroethane	ND	10	2.5	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Tetrachloroethylene	ND	20	3.7	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Toluene	ND	20	4.5	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,2,3-Trichlorobenzene	ND	100	6.1	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,2,4-Trichlorobenzene	ND	20	5.0	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-9

Sampled: 4/7/2022 10:45

Sample ID: 22D0546-11

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	20	3.4	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,1,2-Trichloroethane	ND	20	3.7	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Trichloroethylene	340	20	3.8	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Trichlorofluoromethane (Freon 11)	ND	40	3.5	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	20	4.5	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Vinyl Chloride	250	40	4.2	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH
Xylenes (total)	ND	20	20	µg/L	20		SW-846 8260D	4/11/22	4/12/22 9:04	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	82.2	70-130	
Toluene-d8	95.4	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-10

Sampled: 4/5/2022 14:40

Sample ID: 22D0546-12

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	R-05, V-05	SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-10

Sampled: 4/5/2022 14:40

Sample ID: 22D0546-12

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/12/22	4/12/22 6:47	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	82.7	70-130	
Toluene-d8	95.6	70-130	
4-Bromofluorobenzene	94.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-11

Sampled: 4/5/2022 15:35

Sample ID: 22D0546-13

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Bromomethane	ND	20	15	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
2-Butanone (MEK)	68	200	16	µg/L	10	J	SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Chloromethane	ND	20	5.2	µg/L	10	R-05, V-05	SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Cyclohexane	ND	50	18	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,1-Dichloroethylene	ND	10	1.4	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
cis-1,2-Dichloroethylene	91	10	1.5	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
trans-1,2-Dichloroethylene	ND	10	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Methyl Acetate	ND	10	4.5	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Tetrachloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-11

Sampled: 4/5/2022 15:35

Sample ID: 22D0546-13

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Trichloroethylene	460	10	1.9	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Vinyl Chloride	3.0	20	2.1	µg/L	10	J	SW-846 8260D	4/12/22	4/12/22 9:58	EEH
Xylenes (total)	ND	10	10	µg/L	10		SW-846 8260D	4/12/22	4/12/22 9:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	82.2	70-130	
Toluene-d8	96.2	70-130	
4-Bromofluorobenzene	99.9	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-12

Sampled: 4/6/2022 09:30

Sample ID: 22D0546-14

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2500	100	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Benzene	ND	50	10	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Bromochloromethane	ND	50	15	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Bromodichloromethane	ND	25	9.0	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Bromoform	ND	50	19	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Bromomethane	ND	100	77	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
2-Butanone (MEK)	ND	1000	81	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Carbon Disulfide	ND	250	72	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Chlorobenzene	ND	50	5.3	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Chlorodibromomethane	ND	25	11	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Chloroethane	ND	100	16	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Chloroform	ND	100	8.4	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Chloromethane	ND	100	26	µg/L	50	R-05, V-05	SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	40	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,2-Dibromoethane (EDB)	ND	25	8.5	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,2-Dichlorobenzene	ND	50	6.1	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,3-Dichlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,4-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	9.6	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,1-Dichloroethane	ND	50	7.1	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,1-Dichloroethylene	ND	50	7.1	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
cis-1,2-Dichloroethylene	60	50	7.3	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
trans-1,2-Dichloroethylene	ND	50	8.4	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,2-Dichloropropane	ND	50	9.1	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
cis-1,3-Dichloropropene	ND	25	7.9	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
trans-1,3-Dichloropropene	ND	25	8.4	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,4-Dioxane	ND	2500	1000	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
2-Hexanone (MBK)	ND	500	56	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Isopropylbenzene (Cumene)	ND	50	5.4	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Methyl Acetate	ND	50	23	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	8.6	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Methyl Cyclohexane	ND	50	12	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Methylene Chloride	ND	250	12	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	64	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Styrene	ND	50	5.3	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,1,2,2-Tetrachloroethane	ND	25	6.3	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Tetrachloroethylene	ND	50	9.4	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Toluene	ND	50	11	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,2,3-Trichlorobenzene	ND	250	15	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,2,4-Trichlorobenzene	ND	50	12	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-12

Sampled: 4/6/2022 09:30

Sample ID: 22D0546-14

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	8.4	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,1,2-Trichloroethane	ND	50	9.1	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Trichloroethylene	5100	50	9.5	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Trichlorofluoromethane (Freon 11)	ND	100	8.8	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	11	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Vinyl Chloride	ND	100	10	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	4/12/22	4/12/22 10:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	82.3	70-130	
Toluene-d8	95.2	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-13

Sampled: 4/6/2022 13:45

Sample ID: 22D0546-15

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	20	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Benzene	ND	10	2.0	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Bromochloromethane	ND	10	3.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Bromodichloromethane	ND	5.0	1.8	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Bromoform	ND	10	3.8	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Bromomethane	ND	20	15	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
2-Butanone (MEK)	34	200	16	µg/L	10	J	SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Carbon Disulfide	ND	50	14	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Carbon Tetrachloride	ND	50	1.6	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Chlorobenzene	ND	10	1.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Chlorodibromomethane	ND	5.0	2.2	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Chloroethane	ND	20	3.2	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Chloroform	ND	20	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Chloromethane	ND	20	5.2	µg/L	10	R-05, V-05	SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Cyclohexane	ND	50	18	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	8.0	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,2-Dibromoethane (EDB)	ND	5.0	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,2-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,3-Dichlorobenzene	ND	10	1.2	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,4-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	1.9	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,1-Dichloroethane	ND	10	1.4	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,2-Dichloroethane	ND	10	3.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,1-Dichloroethylene	1.7	10	1.4	µg/L	10	J	SW-846 8260D	4/12/22	4/12/22 10:52	EEH
cis-1,2-Dichloroethylene	380	10	1.5	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
trans-1,2-Dichloroethylene	2.1	10	1.7	µg/L	10	J	SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,2-Dichloropropane	ND	10	1.8	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
trans-1,3-Dichloropropene	ND	5.0	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,4-Dioxane	ND	500	210	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Ethylbenzene	ND	10	2.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
2-Hexanone (MBK)	ND	100	11	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Isopropylbenzene (Cumene)	ND	10	1.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Methyl Acetate	ND	10	4.5	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Methyl Cyclohexane	ND	10	2.4	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Methylene Chloride	ND	50	2.3	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	13	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Styrene	ND	10	1.1	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Tetrachloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Toluene	ND	10	2.2	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,2,3-Trichlorobenzene	ND	50	3.0	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,2,4-Trichlorobenzene	ND	10	2.5	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-13

Sampled: 4/6/2022 13:45

Sample ID: 22D0546-15

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	10	1.7	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,1,2-Trichloroethane	ND	10	1.8	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Trichloroethylene	620	10	1.9	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Trichlorofluoromethane (Freon 11)	ND	20	1.8	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	2.3	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Vinyl Chloride	11	20	2.1	µg/L	10	J	SW-846 8260D	4/12/22	4/12/22 10:52	EEH
Xylenes (total)	ND	10	10	µg/L	10		SW-846 8260D	4/12/22	4/12/22 10:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	82.4	70-130	4/12/22 10:52
Toluene-d8	96.6	70-130	4/12/22 10:52
4-Bromofluorobenzene	100	70-130	4/12/22 10:52

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-14

Sampled: 4/6/2022 14:45

Sample ID: 22D0546-16

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	200	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Benzene	ND	100	20	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Bromochloromethane	ND	100	31	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Bromodichloromethane	ND	50	18	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Bromoform	ND	100	38	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Bromomethane	ND	200	150	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
2-Butanone (MEK)	ND	2000	160	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Carbon Disulfide	ND	500	140	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Carbon Tetrachloride	ND	500	16	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Chlorobenzene	ND	100	11	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Chlorodibromomethane	ND	50	22	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Chloroethane	ND	200	32	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Chloroform	ND	200	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Chloromethane	ND	200	52	µg/L	100	R-05, V-05	SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Cyclohexane	ND	500	180	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	80	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,2-Dibromoethane (EDB)	ND	50	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,2-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,3-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,4-Dichlorobenzene	ND	100	13	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	200	19	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,1-Dichloroethane	ND	100	14	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,2-Dichloroethane	ND	100	31	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,1-Dichloroethylene	ND	100	14	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
cis-1,2-Dichloroethylene	1000	100	15	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
trans-1,2-Dichloroethylene	ND	100	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,2-Dichloropropane	ND	100	18	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
cis-1,3-Dichloropropene	ND	50	16	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
trans-1,3-Dichloropropene	ND	50	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,4-Dioxane	ND	5000	2100	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Ethylbenzene	ND	100	21	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
2-Hexanone (MBK)	ND	1000	110	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Isopropylbenzene (Cumene)	ND	100	11	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Methyl Acetate	ND	100	45	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Methyl tert-Butyl Ether (MTBE)	ND	100	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Methyl Cyclohexane	ND	100	24	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Methylene Chloride	ND	500	23	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	1000	130	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Styrene	ND	100	11	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,1,2,2-Tetrachloroethane	ND	50	13	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Tetrachloroethylene	ND	100	19	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Toluene	ND	100	22	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,2,3-Trichlorobenzene	ND	500	30	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,2,4-Trichlorobenzene	ND	100	25	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: MW-14

Sampled: 4/6/2022 14:45

Sample ID: 22D0546-16

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	100	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,1,2-Trichloroethane	ND	100	18	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Trichloroethylene	6300	100	19	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Trichlorofluoromethane (Freon 11)	ND	200	18	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	23	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Vinyl Chloride	ND	200	21	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH
Xylenes (total)	ND	100	100	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.7	70-130	
Toluene-d8	98.5	70-130	
4-Bromofluorobenzene	97.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: 4/5/22 MS/MSD

Sampled: 4/5/2022 00:00

Sample ID: 22D0546-17

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	10	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Benzene	ND	5.0	1.0	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Bromochloromethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Bromodichloromethane	ND	2.5	0.90	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Bromoform	ND	5.0	1.9	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Bromomethane	ND	10	7.7	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
2-Butanone (MEK)	27	100	8.1	µg/L	5	J	SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Carbon Disulfide	ND	25	7.2	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Carbon Tetrachloride	ND	25	0.82	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Chlorobenzene	ND	5.0	0.53	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Chlorodibromomethane	ND	2.5	1.1	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Chloroethane	ND	10	1.6	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Chloroform	ND	10	0.84	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Chloromethane	ND	10	2.6	µg/L	5	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Cyclohexane	ND	25	8.8	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	4.0	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,2-Dibromoethane (EDB)	ND	2.5	0.85	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,2-Dichlorobenzene	ND	5.0	0.61	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,3-Dichlorobenzene	ND	5.0	0.59	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,4-Dichlorobenzene	ND	5.0	0.65	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	0.96	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,1-Dichloroethane	ND	5.0	0.71	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,2-Dichloroethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,1-Dichloroethylene	1.0	5.0	0.71	µg/L	5	J	SW-846 8260D	4/11/22	4/12/22 9:31	EEH
cis-1,2-Dichloroethylene	110	5.0	0.73	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
trans-1,2-Dichloroethylene	ND	5.0	0.84	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,2-Dichloropropane	ND	5.0	0.91	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
cis-1,3-Dichloropropene	ND	2.5	0.79	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
trans-1,3-Dichloropropene	ND	2.5	0.84	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,4-Dioxane	ND	250	100	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Ethylbenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
2-Hexanone (MBK)	ND	50	5.6	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Isopropylbenzene (Cumene)	ND	5.0	0.54	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Methyl Acetate	ND	5.0	2.3	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.86	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Methyl Cyclohexane	ND	5.0	1.2	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Methylene Chloride	ND	25	1.2	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	6.4	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Styrene	ND	5.0	0.53	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	0.63	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Tetrachloroethylene	ND	5.0	0.94	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Toluene	ND	5.0	1.1	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,2,3-Trichlorobenzene	ND	25	1.5	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,2,4-Trichlorobenzene	ND	5.0	1.2	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: 4/5/22 MS/MSD

Sampled: 4/5/2022 00:00

Sample ID: 22D0546-17

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	5.0	0.84	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,1,2-Trichloroethane	ND	5.0	0.91	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Trichloroethylene	580	5.0	0.95	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Trichlorofluoromethane (Freon 11)	ND	10	0.88	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	1.1	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Vinyl Chloride	4.2	10	1.0	µg/L	5	J	SW-846 8260D	4/11/22	4/12/22 9:31	EEH
Xylenes (total)	ND	5.0	5.0	µg/L	5		SW-846 8260D	4/11/22	4/12/22 9:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	83.4	70-130	
Toluene-d8	95.4	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: 4/6/22 DUP

Sampled: 4/6/2022 00:00

Sample ID: 22D0546-18

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	200	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Benzene	ND	100	20	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Bromochloromethane	ND	100	31	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Bromodichloromethane	ND	50	18	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Bromoform	ND	100	38	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Bromomethane	ND	200	150	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
2-Butanone (MEK)	ND	2000	160	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Carbon Disulfide	ND	500	140	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Carbon Tetrachloride	ND	500	16	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Chlorobenzene	ND	100	11	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Chlorodibromomethane	ND	50	22	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Chloroethane	ND	200	32	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Chloroform	ND	200	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Chloromethane	ND	200	52	µg/L	100	R-05, V-05	SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Cyclohexane	ND	500	180	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	80	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,2-Dibromoethane (EDB)	ND	50	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,2-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,3-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,4-Dichlorobenzene	ND	100	13	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	200	19	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,1-Dichloroethane	ND	100	14	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,2-Dichloroethane	ND	100	31	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,1-Dichloroethylene	ND	100	14	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
cis-1,2-Dichloroethylene	1000	100	15	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
trans-1,2-Dichloroethylene	ND	100	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,2-Dichloropropane	ND	100	18	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
cis-1,3-Dichloropropene	ND	50	16	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
trans-1,3-Dichloropropene	ND	50	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,4-Dioxane	ND	5000	2100	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Ethylbenzene	ND	100	21	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
2-Hexanone (MBK)	ND	1000	110	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Isopropylbenzene (Cumene)	ND	100	11	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Methyl Acetate	ND	100	45	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	100	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Methyl Cyclohexane	ND	100	24	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Methylene Chloride	ND	500	23	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	1000	130	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Styrene	ND	100	11	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,1,2,2-Tetrachloroethane	ND	50	13	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Tetrachloroethylene	ND	100	19	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Toluene	ND	100	22	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,2,3-Trichlorobenzene	ND	500	30	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,2,4-Trichlorobenzene	ND	100	25	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: 4/6/22 DUP

Sampled: 4/6/2022 00:00

Sample ID: 22D0546-18

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	100	17	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,1,2-Trichloroethane	ND	100	18	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Trichloroethylene	6800	100	19	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Trichlorofluoromethane (Freon 11)	ND	200	18	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	23	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Vinyl Chloride	ND	200	21	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH
Xylenes (total)	ND	100	100	µg/L	100		SW-846 8260D	4/12/22	4/12/22 11:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.6	70-130	4/12/22 11:48
Toluene-d8	97.8	70-130	4/12/22 11:48
4-Bromofluorobenzene	99.3	70-130	4/12/22 11:48

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: Trip Blank

Sampled: 4/5/2022 00:00

Sample ID: 22D0546-19

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Chloromethane	ND	2.0	0.52	µg/L	1	R-05, V-05	SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer st, Frewsburg, NY

Sample Description:

Work Order: 22D0546

Date Received: 4/8/2022

Field Sample #: Trip Blank

Sampled: 4/5/2022 00:00

Sample ID: 22D0546-19

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/11/22	4/12/22 3:35	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	81.3	70-130	
Toluene-d8	95.0	70-130	
4-Bromofluorobenzene	99.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 5030B Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D0546-01 [MW-1]	B305476	5	5.00	04/11/22
22D0546-02 [MW-2]	B305476	0.01	5.00	04/11/22
22D0546-03 [MW-3]	B305476	0.125	5.00	04/11/22
22D0546-04 [MW-4]	B305476	0.0125	5.00	04/11/22
22D0546-05 [MW-4D]	B305476	5	5.00	04/11/22
22D0546-06 [MW-5]	B305476	5	5.00	04/11/22
22D0546-07 [MW-5D]	B305476	5	5.00	04/11/22
22D0546-08 [MW-6]	B305476	1.25	5.00	04/11/22
22D0546-09 [MW-7]	B305476	5	5.00	04/11/22
22D0546-10 [MW-8]	B305476	5	5.00	04/11/22
22D0546-11 [MW-9]	B305476	0.25	5.00	04/11/22
22D0546-12 [MW-10]	B305476	5	5.00	04/12/22
22D0546-13 [MW-11]	B305476	0.5	5.00	04/12/22
22D0546-14 [MW-12]	B305476	0.1	5.00	04/12/22
22D0546-15 [MW-13]	B305476	0.5	5.00	04/12/22
22D0546-16 [MW-14]	B305476	0.05	5.00	04/12/22
22D0546-17 [4/5/22 MS/MSD]	B305476	1	5.00	04/11/22
22D0546-18 [4/6/22 DUP]	B305476	0.05	5.00	04/12/22
22D0546-19 [Trip Blank]	B305476	5	5.00	04/11/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B305476 - SW-846 5030B
Blank (B305476-BLK1)

Prepared: 04/11/22 Analyzed: 04/12/22

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

R-05, V-05

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305476 - SW-846 5030B										
Blank (B305476-BLK1)										
Prepared: 04/11/22 Analyzed: 04/12/22										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	0.0		µg/L							
Surrogate: 1,2-Dichloroethane-d4	20.6		µg/L	25.0		82.5	70-130			
Surrogate: Toluene-d8	23.8		µg/L	25.0		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	26.1		µg/L	25.0		104	70-130			
LCS (B305476-BS1)										
Prepared: 04/11/22 Analyzed: 04/12/22										
Acetone	106	50	µg/L	100		106	70-160			†
Benzene	9.16	1.0	µg/L	10.0		91.6	70-130			
Bromochloromethane	9.56	1.0	µg/L	10.0		95.6	70-130			
Bromodichloromethane	9.54	0.50	µg/L	10.0		95.4	70-130			
Bromoform	12.2	1.0	µg/L	10.0		122	70-130			
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160			†
2-Butanone (MEK)	93.0	20	µg/L	100		93.0	40-160			†
Carbon Disulfide	112	5.0	µg/L	100		112	70-130			
Carbon Tetrachloride	9.37	5.0	µg/L	10.0		93.7	70-130			
Chlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
Chloroethane	11.1	2.0	µg/L	10.0		111	70-130			
Chloroform	9.19	2.0	µg/L	10.0		91.9	70-130			
Chloromethane	9.06	2.0	µg/L	10.0		90.6	40-160		R-05, V-05	†
Cyclohexane	8.23	5.0	µg/L	10.0		82.3	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.0	5.0	µg/L	10.0		110	70-130			
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112	70-130			
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
Dichlorodifluoromethane (Freon 12)	8.58	2.0	µg/L	10.0		85.8	40-160			†
1,1-Dichloroethane	9.17	1.0	µg/L	10.0		91.7	70-130			
1,2-Dichloroethane	8.23	1.0	µg/L	10.0		82.3	70-130			
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
cis-1,2-Dichloroethylene	9.03	1.0	µg/L	10.0		90.3	70-130			
trans-1,2-Dichloroethylene	9.20	1.0	µg/L	10.0		92.0	70-130			
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,3-Dichloropropene	9.10	0.50	µg/L	10.0		91.0	70-130			
trans-1,3-Dichloropropene	9.24	0.50	µg/L	10.0		92.4	70-130			
1,4-Dioxane	102	50	µg/L	100		102	40-130			†
Ethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
2-Hexanone (MBK)	106	10	µg/L	100		106	70-160			†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130			
Methyl Acetate	12.2	1.0	µg/L	10.0		122	70-130		V-20	
Methyl tert-Butyl Ether (MTBE)	9.11	1.0	µg/L	10.0		91.1	70-130			
Methyl Cyclohexane	8.56	1.0	µg/L	10.0		85.6	70-130			
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130			
4-Methyl-2-pentanone (MIBK)	99.6	10	µg/L	100		99.6	70-160			†
Styrene	10.9	1.0	µg/L	10.0		109	70-130			
1,1,2,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113	70-130			
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Toluene	9.92	1.0	µg/L	10.0		99.2	70-130			
1,2,3-Trichlorobenzene	11.8	5.0	µg/L	10.0		118	70-130			
1,2,4-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1-Trichloroethane	9.28	1.0	µg/L	10.0		92.8	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305476 - SW-846 5030B										
LCS (B305476-BS1)										
Prepared: 04/11/22 Analyzed: 04/12/22										
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
Trichloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Trichlorofluoromethane (Freon 11)	9.92	2.0	µg/L	10.0		99.2	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.99	1.0	µg/L	10.0		89.9	70-130			
Vinyl Chloride	8.86	2.0	µg/L	10.0		88.6	40-160			†
m+p Xylene	20.5	2.0	µg/L	20.0		103	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Xylenes (total)	30.8		µg/L	30.0		103	0-200			
Surrogate: 1,2-Dichloroethane-d4	21.4		µg/L	25.0		85.7	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.5	70-130			
LCS Dup (B305476-BSD1)										
Prepared: 04/11/22 Analyzed: 04/12/22										
Acetone	115	50	µg/L	100		115	70-160	8.77	25	†
Benzene	10.1	1.0	µg/L	10.0		101	70-130	9.86	25	
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130	17.9	25	
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130	10.5	25	
Bromoform	12.4	1.0	µg/L	10.0		124	70-130	1.47	25	
Bromomethane	13.4	2.0	µg/L	10.0		134	40-160	14.3	25	†
2-Butanone (MEK)	114	20	µg/L	100		114	40-160	20.3	25	†
Carbon Disulfide	117	5.0	µg/L	100		117	70-130	4.58	25	
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	10.4	25	
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	3.43	25	
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130	1.12	25	
Chloroethane	12.7	2.0	µg/L	10.0		127	70-130	13.4	25	
Chloroform	10.5	2.0	µg/L	10.0		105	70-130	13.6	25	
Chloromethane	12.9	2.0	µg/L	10.0		129	40-160	34.9 *	25	R-05, V-05 †
Cyclohexane	9.39	5.0	µg/L	10.0		93.9	70-130	13.2	25	
1,2-Dibromo-3-chloropropane (DBCP)	11.8	5.0	µg/L	10.0		118	70-130	7.11	25	
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130	1.35	25	
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.29	25	
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.75	25	
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.92	25	
Dichlorodifluoromethane (Freon 12)	9.41	2.0	µg/L	10.0		94.1	40-160	9.23	25	†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	12.8	25	
1,2-Dichloroethane	9.60	1.0	µg/L	10.0		96.0	70-130	15.4	25	
1,1-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	3.85	25	
cis-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	14.7	25	
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	10.6	25	
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	3.12	25	
cis-1,3-Dichloropropene	9.77	0.50	µg/L	10.0		97.7	70-130	7.10	25	
trans-1,3-Dichloropropene	9.75	0.50	µg/L	10.0		97.5	70-130	5.37	25	
1,4-Dioxane	107	50	µg/L	100		107	40-130	5.02	50	† ‡
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	1.80	25	
2-Hexanone (MBK)	111	10	µg/L	100		111	70-160	4.18	25	†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	1.96	25	
Methyl Acetate	14.1	1.0	µg/L	10.0		141 *	70-130	14.2	25	L-07, V-20
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130	11.5	25	
Methyl Cyclohexane	9.08	1.0	µg/L	10.0		90.8	70-130	5.90	25	
Methylene Chloride	11.3	5.0	µg/L	10.0		113	70-130	5.45	25	
4-Methyl-2-pentanone (MIBK)	113	10	µg/L	100		113	70-160	12.5	25	†
Styrene	11.2	1.0	µg/L	10.0		112	70-130	2.08	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B305476 - SW-846 5030B
LCS Dup (B305476-BSD1)

Prepared: 04/11/22 Analyzed: 04/12/22

1,1,2,2-Tetrachloroethane	11.7	0.50	µg/L	10.0		117	70-130	3.13	25	
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130	1.38	25	
Toluene	10.2	1.0	µg/L	10.0		102	70-130	2.88	25	
1,2,3-Trichlorobenzene	12.0	5.0	µg/L	10.0		120	70-130	2.01	25	
1,2,4-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.188	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	12.8	25	
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	0.371	25	
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	5.10	25	
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102	70-130	2.78	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.39	1.0	µg/L	10.0		93.9	70-130	4.35	25	
Vinyl Chloride	10.3	2.0	µg/L	10.0		103	40-160	15.2	25	†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130	2.22	25	
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130	2.40	25	
Xylenes (total)	31.5		µg/L	30.0		105	0-200	2.28		
Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.0		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.6	70-130			

Matrix Spike (B305476-MS1)
Source: 22D0546-17

Prepared: 04/11/22 Analyzed: 04/12/22

Acetone	526	250	µg/L	500	ND	105	70-130			
Benzene	47.1	5.0	µg/L	50.0	ND	94.2	70-130			
Bromochloromethane	52.8	5.0	µg/L	50.0	ND	106	70-130			
Bromodichloromethane	47.3	2.5	µg/L	50.0	ND	94.6	70-130			
Bromoform	65.2	5.0	µg/L	50.0	ND	130	70-130			
Bromomethane	38.2	10	µg/L	50.0	ND	76.4	70-130			
2-Butanone (MEK)	480	100	µg/L	500	27.3	90.4	70-130			
Carbon Disulfide	566	25	µg/L	500	ND	113	70-130			
Carbon Tetrachloride	51.4	25	µg/L	50.0	ND	103	70-130			
Chlorobenzene	54.1	5.0	µg/L	50.0	ND	108	70-130			
Chlorodibromomethane	50.2	2.5	µg/L	50.0	ND	100	70-130			
Chloroethane	60.6	10	µg/L	50.0	ND	121	70-130			
Chloroform	47.4	10	µg/L	50.0	ND	94.9	70-130			
Chloromethane	43.8	10	µg/L	50.0	ND	87.6	70-130			V-05
Cyclohexane	44.8	25	µg/L	50.0	ND	89.7	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	46.4	25	µg/L	50.0	ND	92.7	70-130			
1,2-Dibromoethane (EDB)	53.4	2.5	µg/L	50.0	ND	107	70-130			
1,2-Dichlorobenzene	49.8	5.0	µg/L	50.0	ND	99.5	70-130			
1,3-Dichlorobenzene	50.0	5.0	µg/L	50.0	ND	100	70-130			
1,4-Dichlorobenzene	48.8	5.0	µg/L	50.0	ND	97.5	70-130			
Dichlorodifluoromethane (Freon 12)	44.6	10	µg/L	50.0	ND	89.2	70-130			
1,1-Dichloroethane	46.2	5.0	µg/L	50.0	ND	92.5	70-130			
1,2-Dichloroethane	41.5	5.0	µg/L	50.0	ND	83.0	70-130			
1,1-Dichloroethylene	54.8	5.0	µg/L	50.0	1.05	107	70-130			
cis-1,2-Dichloroethylene	156	5.0	µg/L	50.0	106	100	70-130			
trans-1,2-Dichloroethylene	47.4	5.0	µg/L	50.0	ND	94.9	70-130			
1,2-Dichloropropane	48.6	5.0	µg/L	50.0	ND	97.2	70-130			
cis-1,3-Dichloropropene	39.9	2.5	µg/L	50.0	ND	79.8	70-130			
trans-1,3-Dichloropropene	39.2	2.5	µg/L	50.0	ND	78.4	70-130			
1,4-Dioxane	488	250	µg/L	500	ND	97.6	70-130			
Ethylbenzene	53.8	5.0	µg/L	50.0	ND	108	70-130			
2-Hexanone (MBK)	494	50	µg/L	500	ND	98.8	70-130			
Isopropylbenzene (Cumene)	53.0	5.0	µg/L	50.0	ND	106	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305476 - SW-846 5030B										
Matrix Spike (B305476-MS1)	Source: 22D0546-17			Prepared: 04/11/22 Analyzed: 04/12/22						
Methyl Acetate	57.2	5.0	µg/L	50.0	ND	114	70-130			V-20
Methyl tert-Butyl Ether (MTBE)	42.4	5.0	µg/L	50.0	ND	84.7	70-130			
Methyl Cyclohexane	42.4	5.0	µg/L	50.0	ND	84.8	70-130			
Methylene Chloride	51.2	25	µg/L	50.0	ND	102	70-130			
4-Methyl-2-pentanone (MIBK)	466	50	µg/L	500	ND	93.2	70-130			
Styrene	54.6	5.0	µg/L	50.0	ND	109	70-130			
1,1,2,2-Tetrachloroethane	56.7	2.5	µg/L	50.0	ND	113	70-130			
Tetrachloroethylene	51.3	5.0	µg/L	50.0	ND	103	70-130			
Toluene	48.7	5.0	µg/L	50.0	ND	97.4	70-130			
1,2,3-Trichlorobenzene	49.6	25	µg/L	50.0	ND	99.1	70-130			
1,2,4-Trichlorobenzene	46.4	5.0	µg/L	50.0	ND	92.7	70-130			
1,1,1-Trichloroethane	50.1	5.0	µg/L	50.0	ND	100	70-130			
1,1,2-Trichloroethane	50.0	5.0	µg/L	50.0	ND	99.9	70-130			
Trichloroethylene	618	5.0	µg/L	50.0	578	78.8	70-130			
Trichlorofluoromethane (Freon 11)	52.6	10	µg/L	50.0	ND	105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.2	5.0	µg/L	50.0	ND	92.3	70-130			
Vinyl Chloride	50.2	10	µg/L	50.0	4.15	92.2	70-130			
m+p Xylene	103	10	µg/L	100	ND	103	70-130			
o-Xylene	51.8	5.0	µg/L	50.0	ND	104	70-130			
Xylenes (total)	155		µg/L	150	0.00	103	0-200			
Surrogate: 1,2-Dichloroethane-d4	22.9		µg/L	25.0		91.5	70-130			
Surrogate: Toluene-d8	23.4		µg/L	25.0		93.8	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.6	70-130			
Matrix Spike Dup (B305476-MSD1)	Source: 22D0546-17			Prepared: 04/11/22 Analyzed: 04/12/22						
Acetone	503	250	µg/L	500	ND	101	70-130	4.36	30	
Benzene	42.2	5.0	µg/L	50.0	ND	84.5	70-130	10.9	30	
Bromochloromethane	42.3	5.0	µg/L	50.0	ND	84.6	70-130	22.1	30	
Bromodichloromethane	45.0	2.5	µg/L	50.0	ND	89.9	70-130	5.09	30	
Bromoform	64.6	5.0	µg/L	50.0	ND	129	70-130	0.924	30	
Bromomethane	48.6	10	µg/L	50.0	ND	97.3	70-130	24.1	30	
2-Butanone (MEK)	438	100	µg/L	500	27.3	82.2	70-130	8.99	30	
Carbon Disulfide	531	25	µg/L	500	ND	106	70-130	6.32	30	
Carbon Tetrachloride	46.0	25	µg/L	50.0	ND	92.0	70-130	11.0	30	
Chlorobenzene	52.2	5.0	µg/L	50.0	ND	104	70-130	3.67	30	
Chlorodibromomethane	49.9	2.5	µg/L	50.0	ND	99.8	70-130	0.699	30	
Chloroethane	50.6	10	µg/L	50.0	ND	101	70-130	18.1	30	
Chloroform	42.7	10	µg/L	50.0	ND	85.4	70-130	10.5	30	
Chloromethane	36.7	10	µg/L	50.0	ND	73.4	70-130	17.6	30	V-05
Cyclohexane	40.0	25	µg/L	50.0	ND	80.0	70-130	11.4	30	
1,2-Dibromo-3-chloropropane (DBCP)	45.2	25	µg/L	50.0	ND	90.3	70-130	2.62	30	
1,2-Dibromoethane (EDB)	51.5	2.5	µg/L	50.0	ND	103	70-130	3.72	30	
1,2-Dichlorobenzene	48.2	5.0	µg/L	50.0	ND	96.3	70-130	3.27	30	
1,3-Dichlorobenzene	49.0	5.0	µg/L	50.0	ND	97.9	70-130	2.12	30	
1,4-Dichlorobenzene	47.6	5.0	µg/L	50.0	ND	95.3	70-130	2.28	30	
Dichlorodifluoromethane (Freon 12)	41.0	10	µg/L	50.0	ND	81.9	70-130	8.53	30	
1,1-Dichloroethane	42.6	5.0	µg/L	50.0	ND	85.1	70-130	8.33	30	
1,2-Dichloroethane	39.0	5.0	µg/L	50.0	ND	78.0	70-130	6.21	30	
1,1-Dichloroethylene	51.3	5.0	µg/L	50.0	1.05	100	70-130	6.51	30	
cis-1,2-Dichloroethylene	137	5.0	µg/L	50.0	106	60.8 *	70-130	13.4	30	MS-24
trans-1,2-Dichloroethylene	48.5	5.0	µg/L	50.0	ND	97.0	70-130	2.19	30	
1,2-Dichloropropane	45.2	5.0	µg/L	50.0	ND	90.5	70-130	7.14	30	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305476 - SW-846 5030B										
Matrix Spike Dup (B305476-MSD1)	Source: 22D0546-17			Prepared: 04/11/22 Analyzed: 04/12/22						
cis-1,3-Dichloropropene	38.8	2.5	µg/L	50.0	ND	77.5	70-130	2.92	30	
trans-1,3-Dichloropropene	39.3	2.5	µg/L	50.0	ND	78.6	70-130	0.255	30	
1,4-Dioxane	446	250	µg/L	500	ND	89.2	70-130	9.01	30	
Ethylbenzene	51.6	5.0	µg/L	50.0	ND	103	70-130	3.98	30	
2-Hexanone (MBK)	440	50	µg/L	500	ND	88.0	70-130	11.6	30	
Isopropylbenzene (Cumene)	51.4	5.0	µg/L	50.0	ND	103	70-130	2.87	30	
Methyl Acetate	58.2	5.0	µg/L	50.0	ND	116	70-130	1.91	30	V-20
Methyl tert-Butyl Ether (MTBE)	42.8	5.0	µg/L	50.0	ND	85.7	70-130	1.17	30	
Methyl Cyclohexane	42.2	5.0	µg/L	50.0	ND	84.3	70-130	0.591	30	
Methylene Chloride	48.4	25	µg/L	50.0	ND	96.9	70-130	5.62	30	
4-Methyl-2-pentanone (MIBK)	442	50	µg/L	500	ND	88.5	70-130	5.19	30	
Styrene	53.7	5.0	µg/L	50.0	ND	107	70-130	1.66	30	
1,1,2,2-Tetrachloroethane	55.0	2.5	µg/L	50.0	ND	110	70-130	3.04	30	
Tetrachloroethylene	50.4	5.0	µg/L	50.0	ND	101	70-130	1.67	30	
Toluene	46.4	5.0	µg/L	50.0	ND	92.7	70-130	4.94	30	
1,2,3-Trichlorobenzene	52.4	25	µg/L	50.0	ND	105	70-130	5.50	30	
1,2,4-Trichlorobenzene	49.0	5.0	µg/L	50.0	ND	98.1	70-130	5.66	30	
1,1,1-Trichloroethane	45.5	5.0	µg/L	50.0	ND	91.0	70-130	9.62	30	
1,1,2-Trichloroethane	49.4	5.0	µg/L	50.0	ND	98.9	70-130	1.01	30	
Trichloroethylene	559	5.0	µg/L	50.0	578	-37.5 *	70-130	9.88	30	MS-24
Trichlorofluoromethane (Freon 11)	49.5	10	µg/L	50.0	ND	99.0	70-130	6.17	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.6	5.0	µg/L	50.0	ND	87.1	70-130	5.80	30	
Vinyl Chloride	41.1	10	µg/L	50.0	4.15	73.9	70-130	20.0	30	
m+p Xylene	100	10	µg/L	100	ND	100	70-130	3.25	20	
o-Xylene	50.4	5.0	µg/L	50.0	ND	101	70-130	2.64	30	
Xylenes (total)	150		µg/L	150	0.00	100	0-200	3.04		
Surrogate: 1,2-Dichloroethane-d4	20.9		µg/L	25.0		83.5	70-130			
Surrogate: Toluene-d8	24.1		µg/L	25.0		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		99.8	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-01	Elevated reporting limits for all volatile compounds due to foaming sample matrix.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023



2400546
CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

NYSDEC Site No.: 907016

PAGE 1 OF 2

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mt81-VM2\Buff-01\Dashboard\Planning\925176.xlsm

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CLIENT/REPORTING INFORMATION				PROJECT INFORMATION				BILLING INFORMATION				REQUESTED ANALYSIS (see Test Code sheet)				LAB USE ONLY	
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Dr, Suite 6, Williamsville, NY Thomas Palmer tpalmer@gesonline.com Phone #: 716-481-1964 fax				Project Name: NYSDEC/Freewburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Freewburg, NY Project PSID #: 907134 Sample(s) Name:				Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable Invoice Instructions NYSDEC Site No.: 907016 Lab Manager: Michael Buttrick				MS/MSD 8260C - TCLVOCs OLM04.2 list					
Lab Sample #	Field ID / Point of Collection (Sys Loc code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	NaOH	HNO3	H2SO4	DI Water	MEOH	ENCORE	Amber			
1	MW-1		4/5/22	1130	GE	W	2	X									
2	MW-2		4/7/22	1000	GE	W	2										
3	MW-3		4/6/22	1600	GE	W	2										
4	MW-4		4/6/22	1130	GE	W	2										
5	MW-4D		4/6/22	1230	GE	W	2										
6	MW-5		4/5/22	1340	GE	W	2										
7	MW-5D		4/7/22	0830	GE	W	2										
8	MW-6		4/7/22	0910	GE	W	2										
9	MW-7		4/6/22	1035	GE	W	2										
10	MW-8		4/5/22	1240	GE	W	2										
11	MW-9		4/7/22	1045	GE	W	2										
12	MW-10		4/5/22	1440	GE	W	2										

Turnaround Time (Business Days)

☐ Standard 14 days

☐ 1 day RUSH

☐ Other _____ days

Lab PM Approval / Date

Lab: Contest-Pace

Address: 39 Spruce St E Longmeadow, MA 01028

Phone: 413-525-2332

Lab PM: Mike Buttrick

Lab PM Email: Michael.Buttrick@pacerlabs.com

Please Email the EQ EDD Package to ges@equisonline.com

EOEDD Name: [NYSDEC/Freewburg/NY/FalconerSt/300_LabReport# 27908.EOEDD.zip](#)

Sample Custody must be documented below each time samples change possession, including courier.

Relinquished By Sampler:	Date / Time	Received By:	Date / Time
1 <i>TP</i>	4/7/22 1506	1 <i>DR</i>	
2 <i>DR</i>	4/7/22 17:00	2 <i>Edmund</i>	3 4/8/22
3		3	

Custody Seal Number: ☒ Intact ☐ Not Intact

Preserved where applicable: ☐ On Ice ☐ Cooler Temp _____

FedEx® Tracking

776522852332

ADD NICKNAME



Delivered
Friday, 4/8/2022 at 9:54 am



DELIVERED
Signed for by: E.ARRU
GET STATUS UPDATES
OBTAIN PROOF OF DELIVERY

FROM
East Syracuse, NY US
MANAGE DELIVERY

TO
EAST LONGMEADOW, MA US

Travel History

TIME ZONE		
Local Scan Time		
Friday, April 8, 2022		
9:54 AM	EAST LONGMEADOW, MA	Delivered
7:23 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:15 AM	WINDSOR LOCKS, CT	At local FedEx facility
2:30 AM	NEWARK, NJ	Departed FedEx hub
12:06 AM	NEWARK, NJ	Arrived at FedEx hub
Thursday, April 7, 2022		
8:33 PM	NORTH SYRACUSE, NY	Left FedEx origin facility
4:27 PM	NORTH SYRACUSE, NY	Shipment arriving On-Time

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples _____



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False
Statement will be brought to the attention of the Client - State True or False**

Client GES
 Received By LA Date 4/8/22 Time 954
 How were the samples received? In Cooler T No Cooler F On Ice T No Ice F
 Direct from Sampling F Ambient F Melted Ice F
 Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 3.4
 By Blank # Actual Temp -
 Was Custody Seal Intact? T Were Samples Tapered with? F
 Was COC Relinquished? T Does Chain Agree With Samples? #
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name E
 Project D ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? F
 Are there Lab to Filters? F Who was notified?
 Are there Rushes? F Who was notified?
 Are there Short Holds? F Who was notified?
 Is there enough Volume? T
 Is there Headspace where applicable? N/A MS/MSD? T
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? T On COC? F
 Do all samples have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	<u>63840</u>	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear
DI-		Other Glass		Other Plastic		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

November 17, 2022

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer St, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22K0845
PWSID# 907134

Enclosed are results of analyses for samples as received by the laboratory on November 4, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 11/17/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22K0845

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-2	22K0845-01	Ground Water		SW-846 8260D	
MW-3	22K0845-02	Ground Water		SW-846 8260D	
MW-4	22K0845-03	Ground Water		SW-846 8260D	
MW-9R	22K0845-04	Ground Water		SW-846 8260D	
MW-11R	22K0845-05	Ground Water		SW-846 8260D	
MW-13	22K0845-06	Ground Water		SW-846 8260D	
MW-14	22K0845-07	Ground Water		SW-846 8260D	
DUP	22K0845-08	Ground Water		SW-846 8260D	
Trip Blank	22K0845-09	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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SW-846 8260D

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:**Vinyl Chloride**

22K0845-01[MW-2]

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethane**

B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

Carbon Disulfide

B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

Methyl Acetate

B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Carbon Disulfide**

B322398-BLK1, B322398-BS1, B322398-BSD1

L-06

Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**trans-1,2-Dichloroethylene**

22K0845-04[MW-9R], 22K0845-05[MW-11R], 22K0845-08[DUP], B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

Vinyl Chloride

22K0845-01[MW-2], 22K0845-04[MW-9R], 22K0845-06[MW-13], B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Chloroethane**

B322398-BSD1

Methyl tert-Butyl Ether (MTBE)

B322287-BS1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:**1,1-Dichloroethane**

B322287-BS1

MS-12

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**cis-1,2-Dichloroethylene**

22K0845-06[MW-13], B322287-MS1, B322287-MSD1

Vinyl Chloride

22K0845-06[MW-13], B322287-MS1, B322287-MSD1

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MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:
1,1,2-Trichloro-1,2,2-trifluoroethane

B322287-MS1, B322287-MSD1

Carbon Disulfide

B322287-MS1, B322287-MSD1

Methyl Acetate

B322287-MS1, B322287-MSD1

Methyl tert-Butyl Ether (MTBE)

B322287-MS1, B322287-MSD1

trans-1,2-Dichloroethylene

B322287-MS1, B322287-MSD1

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:
Trichloroethylene

22K0845-06[MW-13], B322287-MS1, B322287-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:
1,1-Dichloroethane

B322287-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:
1,2,3-Trichlorobenzene

B322287-MS1

1,2,4-Trichlorobenzene

B322287-MS1

Bromomethane

B322287-MSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:
1,1-Dichloroethane

22K0845-01[MW-2], 22K0845-02[MW-3], 22K0845-03[MW-4], 22K0845-04[MW-9R], 22K0845-05[MW- 11R], 22K0845-06[MW-13], 22K0845-07[MW-14], 22K0845-08[DUP], 22K0845-09[Trip Blank], B322287-BLK1, B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22K0845-01[MW-2], 22K0845-02[MW-3], 22K0845-03[MW-4], 22K0845-04[MW-9R], 22K0845-05[MW- 11R], 22K0845-06[MW-13], 22K0845-07[MW-14], 22K0845-08[DUP]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:
1,2-Dibromo-3-chloropropane (DBP)

B322398-BLK1, B322398-BS1, B322398-BSD1, S079077-CCV1

Bromomethane

B322398-BLK1, B322398-BS1, B322398-BSD1, S079077-CCV1

Carbon Disulfide

B322398-BLK1, B322398-BS1, B322398-BSD1, S079077-CCV1

Chloroethane

B322398-BLK1, B322398-BS1, B322398-BSD1, S079077-CCV1

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V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:**trans-1,2-Dichloroethylene**

22K0845-04[MW-9R], 22K0845-05[MW-11R], 22K0845-08[DUP], B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

Vinyl Chloride

22K0845-01[MW-2], 22K0845-04[MW-9R], 22K0845-06[MW-13], B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethane**

B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

1,1-Dichloroethane

B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

Bromomethane

B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

Carbon Disulfide

B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

Methyl Acetate

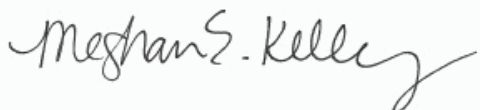
B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

Methyl tert-Butyl Ether (MTBE)

B322287-BS1, B322287-BSD1, B322287-MS1, B322287-MSD1, S078998-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-2

Sampled: 11/2/2022 09:30

Sample ID: 22K0845-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	25000	1000	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Benzene	ND	500	100	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Bromochloromethane	ND	500	150	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Bromodichloromethane	ND	250	90	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Bromoform	ND	1000	190	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Bromomethane	ND	1000	770	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
2-Butanone (MEK)	ND	10000	810	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Carbon Disulfide	ND	2500	720	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Carbon Tetrachloride	ND	2500	82	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Chlorobenzene	ND	500	53	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Chlorodibromomethane	ND	250	110	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Chloroethane	ND	1000	160	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Chloroform	ND	1000	84	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Chloromethane	ND	1000	260	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Cyclohexane	ND	2500	880	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	2500	400	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,2-Dibromoethane (EDB)	ND	250	85	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,2-Dichlorobenzene	ND	500	61	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,3-Dichlorobenzene	ND	500	59	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,4-Dichlorobenzene	ND	500	65	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	1000	96	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,1-Dichloroethane	ND	500	71	µg/L	500	R-05	SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,2-Dichloroethane	ND	500	150	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,1-Dichloroethylene	220	500	71	µg/L	500	J	SW-846 8260D	11/7/22	11/7/22 15:49	EEH
cis-1,2-Dichloroethylene	87000	500	73	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
trans-1,2-Dichloroethylene	ND	500	84	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,2-Dichloropropane	ND	500	91	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
cis-1,3-Dichloropropene	ND	250	79	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
trans-1,3-Dichloropropene	ND	250	84	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,4-Dioxane	ND	25000	10000	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Ethylbenzene	ND	500	110	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
2-Hexanone (MBK)	ND	5000	560	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Isopropylbenzene (Cumene)	ND	500	54	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Methyl Acetate	ND	500	230	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	500	86	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Methyl Cyclohexane	ND	500	120	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Methylene Chloride	ND	2500	120	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	5000	640	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Styrene	ND	500	53	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,1,2,2-Tetrachloroethane	ND	250	63	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Tetrachloroethylene	ND	500	94	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Toluene	ND	500	110	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,2,3-Trichlorobenzene	ND	2500	150	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,2,4-Trichlorobenzene	ND	500	120	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH

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Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-2

Sampled: 11/2/2022 09:30

Sample ID: 22K0845-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	500	84	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,1,2-Trichloroethane	ND	500	91	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Trichloroethylene	ND	500	95	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Trichlorofluoromethane (Freon 11)	ND	1000	88	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1000	110	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Vinyl Chloride	150000	1000	100	µg/L	500	E, V-06, L-06	SW-846 8260D	11/7/22	11/7/22 15:49	EEH
Vinyl Chloride	28000	10000	1000	µg/L	5000		SW-846 8260D	11/8/22	11/9/22 4:13	MFF
Xylenes (total)	ND	500	500	µg/L	500		SW-846 8260D	11/7/22	11/7/22 15:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.9	70-130	11/9/22 4:13
1,2-Dichloroethane-d4	106	70-130	11/7/22 15:49
Toluene-d8	98.1	70-130	11/7/22 15:49
Toluene-d8	99.6	70-130	11/9/22 4:13
4-Bromofluorobenzene	102	70-130	11/9/22 4:13
4-Bromofluorobenzene	97.7	70-130	11/7/22 15:49

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-3

Sampled: 10/31/2022 15:50

Sample ID: 22K0845-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1000	41	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Benzene	ND	20	4.0	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Bromochloromethane	ND	20	6.1	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Bromodichloromethane	ND	10	3.6	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Bromoform	ND	40	7.7	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Bromomethane	ND	40	31	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
2-Butanone (MEK)	ND	400	32	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Carbon Disulfide	ND	100	29	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Carbon Tetrachloride	ND	100	3.3	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Chlorobenzene	ND	20	2.1	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Chlorodibromomethane	ND	10	4.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Chloroethane	ND	40	6.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Chloroform	ND	40	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Chloromethane	ND	40	10	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Cyclohexane	ND	100	35	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	16	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,2-Dibromoethane (EDB)	ND	10	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,2-Dichlorobenzene	ND	20	2.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,3-Dichlorobenzene	ND	20	2.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,4-Dichlorobenzene	ND	20	2.6	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Dichlorodifluoromethane (Freon 12)	ND	40	3.8	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,1-Dichloroethane	ND	20	2.8	µg/L	20	R-05	SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,2-Dichloroethane	ND	20	6.2	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,1-Dichloroethylene	ND	20	2.8	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
cis-1,2-Dichloroethylene	190	20	2.9	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
trans-1,2-Dichloroethylene	ND	20	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,2-Dichloropropane	ND	20	3.6	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
cis-1,3-Dichloropropene	ND	10	3.2	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
trans-1,3-Dichloropropene	ND	10	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,4-Dioxane	ND	1000	410	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Ethylbenzene	ND	20	4.3	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
2-Hexanone (MBK)	ND	200	22	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Isopropylbenzene (Cumene)	ND	20	2.2	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Methyl Acetate	ND	20	9.1	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Methyl tert-Butyl Ether (MTBE)	ND	20	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Methyl Cyclohexane	ND	20	4.9	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Methylene Chloride	ND	100	4.7	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
4-Methyl-2-pentanone (MIBK)	ND	200	26	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Styrene	ND	20	2.1	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,1,2,2-Tetrachloroethane	ND	10	2.5	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Tetrachloroethylene	ND	20	3.7	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Toluene	ND	20	4.5	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,2,3-Trichlorobenzene	ND	100	6.1	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,2,4-Trichlorobenzene	ND	20	5.0	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-3

Sampled: 10/31/2022 15:50

Sample ID: 22K0845-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	20	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,1,2-Trichloroethane	ND	20	3.7	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Trichloroethylene	2200	20	3.8	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Trichlorofluoromethane (Freon 11)	ND	40	3.5	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	4.5	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Vinyl Chloride	ND	40	4.2	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH
Xylenes (total)	ND	20	20	µg/L	20		SW-846 8260D	11/7/22	11/7/22 16:16	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	108	70-130	
Toluene-d8	99.4	70-130	
4-Bromofluorobenzene	97.7	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-4

Sampled: 11/2/2022 10:15

Sample ID: 22K0845-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20000	810	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Benzene	ND	400	80	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Bromochloromethane	ND	400	120	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Bromodichloromethane	ND	200	72	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Bromoform	ND	800	150	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Bromomethane	ND	800	620	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
2-Butanone (MEK)	ND	8000	650	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Carbon Disulfide	ND	2000	580	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Carbon Tetrachloride	ND	2000	66	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Chlorobenzene	ND	400	42	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Chlorodibromomethane	ND	200	89	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Chloroethane	ND	800	130	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Chloroform	ND	800	67	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Chloromethane	ND	800	210	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Cyclohexane	ND	2000	700	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	2000	320	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,2-Dibromoethane (EDB)	ND	200	68	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,2-Dichlorobenzene	ND	400	49	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,3-Dichlorobenzene	ND	400	47	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,4-Dichlorobenzene	ND	400	52	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Dichlorodifluoromethane (Freon 12)	ND	800	77	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,1-Dichloroethane	ND	400	57	µg/L	400	R-05	SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,2-Dichloroethane	ND	400	120	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,1-Dichloroethylene	ND	400	57	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
cis-1,2-Dichloroethylene	1400	400	59	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
trans-1,2-Dichloroethylene	ND	400	67	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,2-Dichloropropane	ND	400	72	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
cis-1,3-Dichloropropene	ND	200	63	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
trans-1,3-Dichloropropene	ND	200	67	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,4-Dioxane	ND	20000	8200	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Ethylbenzene	ND	400	86	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
2-Hexanone (MBK)	ND	4000	450	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Isopropylbenzene (Cumene)	ND	400	43	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Methyl Acetate	ND	400	180	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Methyl tert-Butyl Ether (MTBE)	ND	400	69	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Methyl Cyclohexane	ND	400	98	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Methylene Chloride	ND	2000	94	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
4-Methyl-2-pentanone (MIBK)	ND	4000	510	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Styrene	ND	400	42	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,1,2,2-Tetrachloroethane	ND	200	51	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Tetrachloroethylene	ND	400	75	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Toluene	ND	400	90	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,2,3-Trichlorobenzene	ND	2000	120	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,2,4-Trichlorobenzene	ND	400	99	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-4

Sampled: 11/2/2022 10:15

Sample ID: 22K0845-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	400	68	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,1,2-Trichloroethane	ND	400	73	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Trichloroethylene	34000	400	76	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Trichlorofluoromethane (Freon 11)	ND	800	70	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	800	91	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Vinyl Chloride	ND	800	83	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH
Xylenes (total)	ND	400	400	µg/L	400		SW-846 8260D	11/7/22	11/7/22 16:44	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	96.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-9R

Sampled: 11/1/2022 15:30

Sample ID: 22K0845-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1000	41	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Benzene	ND	20	4.0	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Bromochloromethane	ND	20	6.1	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Bromodichloromethane	ND	10	3.6	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Bromoform	ND	40	7.7	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Bromomethane	ND	40	31	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
2-Butanone (MEK)	ND	400	32	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Carbon Disulfide	ND	100	29	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Carbon Tetrachloride	ND	100	3.3	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Chlorobenzene	ND	20	2.1	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Chlorodibromomethane	ND	10	4.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Chloroethane	ND	40	6.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Chloroform	ND	40	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Chloromethane	ND	40	10	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Cyclohexane	ND	100	35	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	16	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,2-Dibromoethane (EDB)	ND	10	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,2-Dichlorobenzene	ND	20	2.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,3-Dichlorobenzene	ND	20	2.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,4-Dichlorobenzene	ND	20	2.6	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	40	3.8	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,1-Dichloroethane	ND	20	2.8	µg/L	20	R-05	SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,2-Dichloroethane	ND	20	6.2	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,1-Dichloroethylene	12	20	2.8	µg/L	20	J	SW-846 8260D	11/7/22	11/7/22 17:11	EEH
cis-1,2-Dichloroethylene	2300	20	2.9	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
trans-1,2-Dichloroethylene	38	20	3.4	µg/L	20	L-06, V-06	SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,2-Dichloropropane	ND	20	3.6	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
cis-1,3-Dichloropropene	ND	10	3.2	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
trans-1,3-Dichloropropene	ND	10	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,4-Dioxane	ND	1000	410	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Ethylbenzene	ND	20	4.3	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
2-Hexanone (MBK)	ND	200	22	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Isopropylbenzene (Cumene)	ND	20	2.2	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Methyl Acetate	ND	20	9.1	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	20	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Methyl Cyclohexane	ND	20	4.9	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Methylene Chloride	ND	100	4.7	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	200	26	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Styrene	ND	20	2.1	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,1,1,2-Tetrachloroethane	ND	10	2.5	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Tetrachloroethylene	ND	20	3.7	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Toluene	ND	20	4.5	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,2,3-Trichlorobenzene	ND	100	6.1	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,2,4-Trichlorobenzene	ND	20	5.0	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-9R

Sampled: 11/1/2022 15:30

Sample ID: 22K0845-04

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	20	3.4	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,1,2-Trichloroethane	ND	20	3.7	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Trichloroethylene	940	20	3.8	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Trichlorofluoromethane (Freon 11)	ND	40	3.5	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	4.5	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Vinyl Chloride	670	40	4.2	µg/L	20	L-06, V-06	SW-846 8260D	11/7/22	11/7/22 17:11	EEH
Xylenes (total)	ND	20	20	µg/L	20		SW-846 8260D	11/7/22	11/7/22 17:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	108	70-130	
Toluene-d8	99.5	70-130	
4-Bromofluorobenzene	96.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-11R

Sampled: 11/2/2022 09:25

Sample ID: 22K0845-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2000	81	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Benzene	ND	40	8.0	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Bromochloromethane	ND	40	12	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Bromodichloromethane	ND	20	7.2	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Bromoform	ND	80	15	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Bromomethane	ND	80	62	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
2-Butanone (MEK)	ND	800	65	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Carbon Disulfide	ND	200	58	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Carbon Tetrachloride	ND	200	6.6	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Chlorobenzene	ND	40	4.2	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Chlorodibromomethane	ND	20	8.9	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Chloroethane	ND	80	13	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Chloroform	ND	80	6.7	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Chloromethane	ND	80	21	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Cyclohexane	ND	200	70	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	32	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,2-Dibromoethane (EDB)	ND	20	6.8	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,2-Dichlorobenzene	ND	40	4.9	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,3-Dichlorobenzene	ND	40	4.7	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,4-Dichlorobenzene	ND	40	5.2	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	80	7.7	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,1-Dichloroethane	ND	40	5.7	µg/L	40	R-05	SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,2-Dichloroethane	ND	40	12	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,1-Dichloroethylene	7.2	40	5.7	µg/L	40	J	SW-846 8260D	11/7/22	11/7/22 17:39	EEH
cis-1,2-Dichloroethylene	2200	40	5.9	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
trans-1,2-Dichloroethylene	19	40	6.7	µg/L	40	L-06, V-06, J	SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,2-Dichloropropane	ND	40	7.2	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
cis-1,3-Dichloropropene	ND	20	6.3	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
trans-1,3-Dichloropropene	ND	20	6.7	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,4-Dioxane	ND	2000	820	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Ethylbenzene	ND	40	8.6	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
2-Hexanone (MBK)	ND	400	45	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Isopropylbenzene (Cumene)	ND	40	4.3	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Methyl Acetate	ND	40	18	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	40	6.9	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Methyl Cyclohexane	ND	40	9.8	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Methylene Chloride	ND	200	9.4	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	400	51	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Styrene	ND	40	4.2	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,1,2,2-Tetrachloroethane	ND	20	5.1	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Tetrachloroethylene	ND	40	7.5	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Toluene	ND	40	9.0	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,2,3-Trichlorobenzene	ND	200	12	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,2,4-Trichlorobenzene	ND	40	9.9	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-11R

Sampled: 11/2/2022 09:25

Sample ID: 22K0845-05

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	40	6.8	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,1,2-Trichloroethane	ND	40	7.3	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Trichloroethylene	4000	40	7.6	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Trichlorofluoromethane (Freon 11)	ND	80	7.0	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	80	9.1	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Vinyl Chloride	ND	80	8.3	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH
Xylenes (total)	ND	40	40	µg/L	40		SW-846 8260D	11/7/22	11/7/22 17:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	99.1	70-130	
4-Bromofluorobenzene	97.1	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-13

Sampled: 11/1/2022 10:15

Sample ID: 22K0845-06

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	200	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Benzene	ND	100	20	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Bromochloromethane	ND	100	31	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Bromodichloromethane	ND	50	18	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Bromoform	ND	200	38	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Bromomethane	ND	200	150	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
2-Butanone (MEK)	ND	2000	160	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Carbon Disulfide	ND	500	140	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Carbon Tetrachloride	ND	500	16	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Chlorobenzene	ND	100	11	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Chlorodibromomethane	ND	50	22	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Chloroethane	ND	200	32	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Chloroform	ND	200	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Chloromethane	ND	200	52	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Cyclohexane	ND	500	180	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	80	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,2-Dibromoethane (EDB)	ND	50	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,2-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,3-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,4-Dichlorobenzene	ND	100	13	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	200	19	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,1-Dichloroethane	ND	100	14	µg/L	100	R-05	SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,2-Dichloroethane	ND	100	31	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,1-Dichloroethylene	ND	100	14	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
cis-1,2-Dichloroethylene	1900	100	15	µg/L	100	MS-12	SW-846 8260D	11/7/22	11/7/22 18:06	EEH
trans-1,2-Dichloroethylene	ND	100	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,2-Dichloropropane	ND	100	18	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
cis-1,3-Dichloropropene	ND	50	16	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
trans-1,3-Dichloropropene	ND	50	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,4-Dioxane	ND	5000	2100	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Ethylbenzene	ND	100	21	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
2-Hexanone (MBK)	ND	1000	110	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Isopropylbenzene (Cumene)	ND	100	11	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Methyl Acetate	ND	100	45	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Methyl tert-Butyl Ether (MTBE)	ND	100	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Methyl Cyclohexane	ND	100	24	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Methylene Chloride	ND	500	23	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
4-Methyl-2-pentanone (MIBK)	ND	1000	130	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Styrene	ND	100	11	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,1,2,2-Tetrachloroethane	ND	50	13	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Tetrachloroethylene	ND	100	19	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Toluene	ND	100	22	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,2,3-Trichlorobenzene	ND	500	30	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,2,4-Trichlorobenzene	ND	100	25	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-13

Sampled: 11/1/2022 10:15

Sample ID: 22K0845-06

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	100	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,1,2-Trichloroethane	ND	100	18	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Trichloroethylene	6000	100	19	µg/L	100	MS-19	SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Trichlorofluoromethane (Freon 11)	ND	200	18	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	23	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Vinyl Chloride	94	200	21	µg/L	100	L-06, MS-12, V-06, J	SW-846 8260D	11/7/22	11/7/22 18:06	EEH
Xylenes (total)	ND	100	100	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:06	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	108	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	97.4	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-14

Sampled: 11/1/2022 13:00

Sample ID: 22K0845-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	200	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Benzene	ND	100	20	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Bromochloromethane	ND	100	31	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Bromodichloromethane	ND	50	18	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Bromoform	ND	200	38	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Bromomethane	ND	200	150	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
2-Butanone (MEK)	ND	2000	160	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Carbon Disulfide	ND	500	140	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Carbon Tetrachloride	ND	500	16	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Chlorobenzene	ND	100	11	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Chlorodibromomethane	ND	50	22	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Chloroethane	ND	200	32	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Chloroform	ND	200	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Chloromethane	ND	200	52	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Cyclohexane	ND	500	180	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	80	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,2-Dibromoethane (EDB)	ND	50	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,2-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,3-Dichlorobenzene	ND	100	12	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,4-Dichlorobenzene	ND	100	13	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Dichlorodifluoromethane (Freon 12)	ND	200	19	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,1-Dichloroethane	ND	100	14	µg/L	100	R-05	SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,2-Dichloroethane	ND	100	31	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,1-Dichloroethylene	ND	100	14	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
cis-1,2-Dichloroethylene	1100	100	15	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
trans-1,2-Dichloroethylene	ND	100	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,2-Dichloropropane	ND	100	18	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
cis-1,3-Dichloropropene	ND	50	16	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
trans-1,3-Dichloropropene	ND	50	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,4-Dioxane	ND	5000	2100	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Ethylbenzene	ND	100	21	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
2-Hexanone (MBK)	ND	1000	110	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Isopropylbenzene (Cumene)	ND	100	11	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Methyl Acetate	ND	100	45	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Methyl tert-Butyl Ether (MTBE)	ND	100	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Methyl Cyclohexane	ND	100	24	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Methylene Chloride	ND	500	23	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
4-Methyl-2-pentanone (MIBK)	ND	1000	130	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Styrene	ND	100	11	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,1,2,2-Tetrachloroethane	ND	50	13	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Tetrachloroethylene	ND	100	19	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Toluene	ND	100	22	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,2,3-Trichlorobenzene	ND	500	30	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,2,4-Trichlorobenzene	ND	100	25	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: MW-14

Sampled: 11/1/2022 13:00

Sample ID: 22K0845-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	100	17	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,1,2-Trichloroethane	ND	100	18	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Trichloroethylene	6400	100	19	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Trichlorofluoromethane (Freon 11)	ND	200	18	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	200	23	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Vinyl Chloride	ND	200	21	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH
Xylenes (total)	ND	100	100	µg/L	100		SW-846 8260D	11/7/22	11/7/22 18:34	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	109	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	95.4	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: DUP

Sampled: 11/1/2022 13:00

Sample ID: 22K0845-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2500	100	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Benzene	ND	50	10	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Bromochloromethane	ND	50	15	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Bromodichloromethane	ND	25	9.0	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Bromoform	ND	100	19	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Bromomethane	ND	100	77	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
2-Butanone (MEK)	ND	1000	81	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Carbon Disulfide	ND	250	72	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Chlorobenzene	ND	50	5.3	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Chlorodibromomethane	ND	25	11	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Chloroethane	ND	100	16	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Chloroform	ND	100	8.4	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Chloromethane	ND	100	26	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	40	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,2-Dibromoethane (EDB)	ND	25	8.5	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,2-Dichlorobenzene	ND	50	6.1	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,3-Dichlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,4-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	9.6	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,1-Dichloroethane	ND	50	7.1	µg/L	50	R-05	SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,1-Dichloroethylene	ND	50	7.1	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
cis-1,2-Dichloroethylene	1200	50	7.3	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
trans-1,2-Dichloroethylene	16	50	8.4	µg/L	50	L-06, V-06, J	SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,2-Dichloropropane	ND	50	9.1	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
cis-1,3-Dichloropropene	ND	25	7.9	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
trans-1,3-Dichloropropene	ND	25	8.4	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,4-Dioxane	ND	2500	1000	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
2-Hexanone (MBK)	ND	500	56	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Isopropylbenzene (Cumene)	ND	50	5.4	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Methyl Acetate	ND	50	23	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	8.6	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Methyl Cyclohexane	ND	50	12	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Methylene Chloride	ND	250	12	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	64	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Styrene	ND	50	5.3	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,1,2,2-Tetrachloroethane	ND	25	6.3	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Tetrachloroethylene	ND	50	9.4	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Toluene	ND	50	11	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,2,3-Trichlorobenzene	ND	250	15	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,2,4-Trichlorobenzene	ND	50	12	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: DUP

Sampled: 11/1/2022 13:00

Sample ID: 22K0845-08

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	8.4	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,1,2-Trichloroethane	ND	50	9.1	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Trichloroethylene	6700	50	9.5	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Trichlorofluoromethane (Freon 11)	ND	100	8.8	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	11	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Vinyl Chloride	ND	100	10	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	11/7/22	11/7/22 19:01	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	106	70-130	
Toluene-d8	98.6	70-130	
4-Bromofluorobenzene	97.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: Trip Blank

Sampled: 11/2/2022 00:00

Sample ID: 22K0845-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1	R-05	SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22K0845

Date Received: 11/4/2022

Field Sample #: Trip Blank

Sampled: 11/2/2022 00:00

Sample ID: 22K0845-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/7/22	11/7/22 11:43	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	108	70-130	
Toluene-d8	98.8	70-130	
4-Bromofluorobenzene	97.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 5030B Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22K0845-01 [MW-2]	B322287	0.01	5.00	11/07/22
22K0845-02 [MW-3]	B322287	0.25	5.00	11/07/22
22K0845-03 [MW-4]	B322287	0.0125	5.00	11/07/22
22K0845-04 [MW-9R]	B322287	0.25	5.00	11/07/22
22K0845-05 [MW-11R]	B322287	0.125	5.00	11/07/22
22K0845-06 [MW-13]	B322287	0.05	5.00	11/07/22
22K0845-07 [MW-14]	B322287	0.05	5.00	11/07/22
22K0845-08 [DUP]	B322287	0.1	5.00	11/07/22
22K0845-09 [Trip Blank]	B322287	5	5.00	11/07/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22K0845-01RE1 [MW-2]	B322398	0.001	5.00	11/08/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B322287 - SW-846 5030B
Blank (B322287-BLK1)

Prepared & Analyzed: 11/07/22

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							R-05
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B322287 - SW-846 5030B										
Blank (B322287-BLK1)										
Prepared & Analyzed: 11/07/22										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.3		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.8		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	23.9		µg/L	25.0		95.7	70-130			
LCS (B322287-BS1)										
Prepared & Analyzed: 11/07/22										
Acetone	110	50	µg/L	100		110	70-160			†
Benzene	9.45	1.0	µg/L	10.0		94.5	70-130			
Bromochloromethane	10.5	1.0	µg/L	10.0		105	70-130			
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130			
Bromoform	9.33	1.0	µg/L	10.0		93.3	70-130			
Bromomethane	15.8	2.0	µg/L	10.0		158	40-160		V-20	†
2-Butanone (MEK)	106	20	µg/L	100		106	40-160			†
Carbon Disulfide	140	5.0	µg/L	100		140 *	70-130		L-02, V-20	
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130			
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103	70-130			
Chloroethane	11.5	2.0	µg/L	10.0		115	70-130			
Chloroform	10.5	2.0	µg/L	10.0		105	70-130			
Chloromethane	12.8	2.0	µg/L	10.0		128	40-160			†
Cyclohexane	10.7	5.0	µg/L	10.0		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.31	5.0	µg/L	10.0		83.1	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130			
1,2-Dichlorobenzene	9.20	1.0	µg/L	10.0		92.0	70-130			
1,3-Dichlorobenzene	9.36	1.0	µg/L	10.0		93.6	70-130			
1,4-Dichlorobenzene	9.46	1.0	µg/L	10.0		94.6	70-130			
Dichlorodifluoromethane (Freon 12)	9.41	2.0	µg/L	10.0		94.1	40-160			†
1,1-Dichloroethane	14.6	1.0	µg/L	10.0		146 *	70-130		L-07A, R-05, V-20	
1,2-Dichloroethane	9.69	1.0	µg/L	10.0		96.9	70-130			
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130			
trans-1,2-Dichloroethylene	13.7	1.0	µg/L	10.0		137 *	70-130		L-06, V-06	
1,2-Dichloropropane	9.31	1.0	µg/L	10.0		93.1	70-130			
cis-1,3-Dichloropropene	9.29	0.50	µg/L	10.0		92.9	70-130			
trans-1,3-Dichloropropene	9.48	0.50	µg/L	10.0		94.8	70-130			
1,4-Dioxane	99.6	50	µg/L	100		99.6	40-130			†
Ethylbenzene	9.72	1.0	µg/L	10.0		97.2	70-130			
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160			†
Isopropylbenzene (Cumene)	9.97	1.0	µg/L	10.0		99.7	70-130			
Methyl Acetate	16.2	1.0	µg/L	10.0		162 *	70-130		L-02, V-20	
Methyl tert-Butyl Ether (MTBE)	15.8	1.0	µg/L	10.0		158 *	70-130		L-07, V-20	
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	10.1	5.0	µg/L	10.0		101	70-130			
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160			†
Styrene	9.97	1.0	µg/L	10.0		99.7	70-130			
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130			
Tetrachloroethylene	9.57	1.0	µg/L	10.0		95.7	70-130			
Toluene	9.61	1.0	µg/L	10.0		96.1	70-130			
1,2,3-Trichlorobenzene	8.93	5.0	µg/L	10.0		89.3	70-130			
1,2,4-Trichlorobenzene	8.60	1.0	µg/L	10.0		86.0	70-130			
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B322287 - SW-846 5030B										
LCS (B322287-BS1)										
Prepared & Analyzed: 11/07/22										
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
Trichloroethylene	9.94	1.0	µg/L	10.0		99.4	70-130			
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.8	1.0	µg/L	10.0		138 *	70-130			L-02, V-20
Vinyl Chloride	21.4	2.0	µg/L	10.0		214 *	40-160			L-06, V-06 †
m+p Xylene	19.9	2.0	µg/L	20.0		99.5	70-130			
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130			
Xylenes (total)	30.2	1.0	µg/L	30.0		101	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.0		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	26.1		µg/L	25.0		104	70-130			
LCS Dup (B322287-BSD1)										
Prepared & Analyzed: 11/07/22										
Acetone	109	50	µg/L	100		109	70-160	0.843	25	†
Benzene	9.84	1.0	µg/L	10.0		98.4	70-130	4.04	25	
Bromochloromethane	10.4	1.0	µg/L	10.0		104	70-130	0.763	25	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	1.67	25	
Bromoform	9.03	1.0	µg/L	10.0		90.3	70-130	3.27	25	
Bromomethane	15.6	2.0	µg/L	10.0		156	40-160	1.91	25	V-20 †
2-Butanone (MEK)	103	20	µg/L	100		103	40-160	2.81	25	†
Carbon Disulfide	144	5.0	µg/L	100		144 *	70-130	2.59	25	L-02, V-20
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109	70-130	1.57	25	
Chlorobenzene	9.80	1.0	µg/L	10.0		98.0	70-130	0.914	25	
Chlorodibromomethane	9.92	0.50	µg/L	10.0		99.2	70-130	3.86	25	
Chloroethane	11.9	2.0	µg/L	10.0		119	70-130	3.93	25	
Chloroform	10.8	2.0	µg/L	10.0		108	70-130	2.81	25	
Chloromethane	13.0	2.0	µg/L	10.0		130	40-160	1.56	25	†
Cyclohexane	11.3	5.0	µg/L	10.0		113	70-130	5.28	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.38	5.0	µg/L	10.0		93.8	70-130	12.1	25	
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0		101	70-130	0.981	25	
1,2-Dichlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130	3.84	25	
1,3-Dichlorobenzene	9.37	1.0	µg/L	10.0		93.7	70-130	0.107	25	
1,4-Dichlorobenzene	9.21	1.0	µg/L	10.0		92.1	70-130	2.68	25	
Dichlorodifluoromethane (Freon 12)	9.34	2.0	µg/L	10.0		93.4	40-160	0.747	25	†
1,1-Dichloroethane	9.95	1.0	µg/L	10.0		99.5	70-130	37.7 *	25	R-05, V-20
1,2-Dichloroethane	9.66	1.0	µg/L	10.0		96.6	70-130	0.310	25	
1,1-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	0.0997	25	
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	0.793	25	
trans-1,2-Dichloroethylene	13.9	1.0	µg/L	10.0		139 *	70-130	1.23	25	L-06, V-06
1,2-Dichloropropane	9.61	1.0	µg/L	10.0		96.1	70-130	3.17	25	
cis-1,3-Dichloropropene	9.37	0.50	µg/L	10.0		93.7	70-130	0.857	25	
trans-1,3-Dichloropropene	9.20	0.50	µg/L	10.0		92.0	70-130	3.00	25	
1,4-Dioxane	98.6	50	µg/L	100		98.6	40-130	1.05	50	† ‡
Ethylbenzene	9.88	1.0	µg/L	10.0		98.8	70-130	1.63	25	
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160	1.51	25	†
Isopropylbenzene (Cumene)	9.77	1.0	µg/L	10.0		97.7	70-130	2.03	25	
Methyl Acetate	18.0	1.0	µg/L	10.0		180 *	70-130	10.5	25	L-02, V-20
Methyl tert-Butyl Ether (MTBE)	12.9	1.0	µg/L	10.0		129	70-130	20.3	25	V-20
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130	4.73	25	
Methylene Chloride	10.8	5.0	µg/L	10.0		108	70-130	6.72	25	
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160	0.402	25	†
Styrene	9.96	1.0	µg/L	10.0		99.6	70-130	0.100	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B322287 - SW-846 5030B										
LCS Dup (B322287-BSD1)				Prepared & Analyzed: 11/07/22						
1,1,2,2-Tetrachloroethane	9.94	0.50	µg/L	10.0		99.4	70-130	2.78	25	
Tetrachloroethylene	9.98	1.0	µg/L	10.0		99.8	70-130	4.19	25	
Toluene	9.73	1.0	µg/L	10.0		97.3	70-130	1.24	25	
1,2,3-Trichlorobenzene	8.88	5.0	µg/L	10.0		88.8	70-130	0.561	25	
1,2,4-Trichlorobenzene	8.65	1.0	µg/L	10.0		86.5	70-130	0.580	25	
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	1.12	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	0.188	25	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	6.61	25	
Trichlorofluoromethane (Freon 11)	11.3	2.0	µg/L	10.0		113	70-130	2.78	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.8	1.0	µg/L	10.0		138	* 70-130	0.218	25	L-02, V-20
Vinyl Chloride	22.7	2.0	µg/L	10.0		227	* 40-160	5.72	25	L-06, V-06 †
m+p Xylene	19.9	2.0	µg/L	20.0		99.5	70-130	0.00	25	
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130	2.75	25	
Xylenes (total)	30.0	1.0	µg/L	30.0		99.9	0-200	0.930		
Surrogate: 1,2-Dichloroethane-d4	27.1		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		µg/L	25.0		101	70-130			
Matrix Spike (B322287-MS1)				Source: 22K0845-06 Prepared & Analyzed: 11/07/22						
Acetone	10400	5000	µg/L	10000	ND	104	70-130			
Benzene	1010	100	µg/L	1000	ND	101	70-130			
Bromochloromethane	1110	100	µg/L	1000	ND	111	70-130			
Bromodichloromethane	1060	50	µg/L	1000	ND	106	70-130			
Bromoform	854	100	µg/L	1000	ND	85.4	70-130			
Bromomethane	1240	200	µg/L	1000	ND	124	70-130			V-20
2-Butanone (MEK)	10300	2000	µg/L	10000	ND	103	70-130			
Carbon Disulfide	15800	500	µg/L	10000	ND	158	* 70-130			L-02, MS-15, V-20
Carbon Tetrachloride	1110	500	µg/L	1000	ND	111	70-130			
Chlorobenzene	1010	100	µg/L	1000	ND	101	70-130			
Chlorodibromomethane	982	50	µg/L	1000	ND	98.2	70-130			
Chloroethane	1240	200	µg/L	1000	ND	124	70-130			
Chloroform	1060	200	µg/L	1000	ND	106	70-130			
Chloromethane	994	200	µg/L	1000	ND	99.4	70-130			
Cyclohexane	1170	500	µg/L	1000	ND	117	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	726	500	µg/L	1000	ND	72.6	70-130			
1,2-Dibromoethane (EDB)	1030	50	µg/L	1000	ND	103	70-130			
1,2-Dichlorobenzene	915	100	µg/L	1000	ND	91.5	70-130			
1,3-Dichlorobenzene	913	100	µg/L	1000	ND	91.3	70-130			
1,4-Dichlorobenzene	891	100	µg/L	1000	ND	89.1	70-130			
Dichlorodifluoromethane (Freon 12)	947	200	µg/L	1000	ND	94.7	70-130			
1,1-Dichloroethane	1220	100	µg/L	1000	ND	122	70-130			R-05, V-20
1,2-Dichloroethane	1000	100	µg/L	1000	ND	100	70-130			
1,1-Dichloroethylene	1060	100	µg/L	1000	ND	106	70-130			
cis-1,2-Dichloroethylene	3280	100	µg/L	1000	1940	134	* 70-130			MS-12
trans-1,2-Dichloroethylene	1420	100	µg/L	1000	ND	142	* 70-130			L-06, MS-15, V-06
1,2-Dichloropropane	998	100	µg/L	1000	ND	99.8	70-130			
cis-1,3-Dichloropropene	892	50	µg/L	1000	ND	89.2	70-130			
trans-1,3-Dichloropropene	891	50	µg/L	1000	ND	89.1	70-130			
1,4-Dioxane	8600	5000	µg/L	10000	ND	86.0	70-130			
Ethylbenzene	1020	100	µg/L	1000	ND	102	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B322287 - SW-846 5030B										
Matrix Spike (B322287-MS1)	Source: 22K0845-06			Prepared & Analyzed: 11/07/22						
2-Hexanone (MBK)	10600	1000	µg/L	10000	ND	106	70-130			
Isopropylbenzene (Cumene)	1010	100	µg/L	1000	ND	101	70-130			
Methyl Acetate	1640	100	µg/L	1000	ND	164	* 70-130			L-02, MS-15, V-20
Methyl tert-Butyl Ether (MTBE)	1440	100	µg/L	1000	ND	144	* 70-130			MS-15, V-20
Methyl Cyclohexane	1100	100	µg/L	1000	ND	110	70-130			
Methylene Chloride	1140	500	µg/L	1000	ND	114	70-130			
4-Methyl-2-pentanone (MIBK)	10300	1000	µg/L	10000	ND	103	70-130			
Styrene	965	100	µg/L	1000	ND	96.5	70-130			
1,1,2,2-Tetrachloroethane	982	50	µg/L	1000	ND	98.2	70-130			
Tetrachloroethylene	1040	100	µg/L	1000	ND	104	70-130			
Toluene	1040	100	µg/L	1000	ND	104	70-130			
1,2,3-Trichlorobenzene	634	500	µg/L	1000	ND	63.4	* 70-130			MS-24
1,2,4-Trichlorobenzene	692	100	µg/L	1000	ND	69.2	* 70-130			MS-24
1,1,1-Trichloroethane	1140	100	µg/L	1000	ND	114	70-130			
1,1,2-Trichloroethane	1040	100	µg/L	1000	ND	104	70-130			
Trichloroethylene	8050	100	µg/L	1000	6000	205	* 70-130			MS-19
Trichlorofluoromethane (Freon 11)	1200	200	µg/L	1000	ND	120	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1380	100	µg/L	1000	ND	138	* 70-130			L-02, MS-15, V-20
Vinyl Chloride	2420	200	µg/L	1000	94.0	233	* 70-130			L-06, MS-12, V-06
m+p Xylene	2010	200	µg/L	2000	ND	101	70-130			
o-Xylene	1030	100	µg/L	1000	ND	103	70-130			
Xylenes (total)	3040	100	µg/L	3000	ND	101	0-200			
Surrogate: 1,2-Dichloroethane-d4	26.5		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			
Matrix Spike Dup (B322287-MSD1)	Source: 22K0845-06			Prepared & Analyzed: 11/07/22						
Acetone	10400	5000	µg/L	10000	ND	104	70-130	0.289	30	
Benzene	978	100	µg/L	1000	ND	97.8	70-130	2.82	30	
Bromochloromethane	1050	100	µg/L	1000	ND	105	70-130	6.21	30	
Bromodichloromethane	987	50	µg/L	1000	ND	98.7	70-130	7.04	30	
Bromoform	852	100	µg/L	1000	ND	85.2	70-130	0.234	30	
Bromomethane	1620	200	µg/L	1000	ND	162	* 70-130	26.4	30	MS-24, V-20
2-Butanone (MEK)	11100	2000	µg/L	10000	ND	111	70-130	7.26	30	
Carbon Disulfide	15400	500	µg/L	10000	ND	154	* 70-130	2.99	30	L-02, MS-15, V-20
Carbon Tetrachloride	1120	500	µg/L	1000	ND	112	70-130	1.44	30	
Chlorobenzene	989	100	µg/L	1000	ND	98.9	70-130	1.90	30	
Chlorodibromomethane	971	50	µg/L	1000	ND	97.1	70-130	1.13	30	
Chloroethane	1210	200	µg/L	1000	ND	121	70-130	2.53	30	
Chloroform	1080	200	µg/L	1000	ND	108	70-130	1.50	30	
Chloromethane	1050	200	µg/L	1000	ND	105	70-130	5.48	30	
Cyclohexane	1190	500	µg/L	1000	ND	119	70-130	1.52	30	
1,2-Dibromo-3-chloropropane (DBCP)	844	500	µg/L	1000	ND	84.4	70-130	15.0	30	
1,2-Dibromoethane (EDB)	1010	50	µg/L	1000	ND	101	70-130	1.66	30	
1,2-Dichlorobenzene	908	100	µg/L	1000	ND	90.8	70-130	0.768	30	
1,3-Dichlorobenzene	898	100	µg/L	1000	ND	89.8	70-130	1.66	30	
1,4-Dichlorobenzene	883	100	µg/L	1000	ND	88.3	70-130	0.902	30	
Dichlorodifluoromethane (Freon 12)	978	200	µg/L	1000	ND	97.8	70-130	3.22	30	
1,1-Dichloroethane	1370	100	µg/L	1000	ND	137	* 70-130	11.4	30	MS-22, R-05, V-20

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B322287 - SW-846 5030B

Matrix Spike Dup (B322287-MSD1)		Source: 22K0845-06		Prepared & Analyzed: 11/07/22						
1,2-Dichloroethane	985	100	µg/L	1000	ND	98.5	70-130	1.81	30	
1,1-Dichloroethylene	1070	100	µg/L	1000	ND	107	70-130	0.282	30	
cis-1,2-Dichloroethylene	3360	100	µg/L	1000	1940	142 *	70-130	2.38	30	MS-12
trans-1,2-Dichloroethylene	1380	100	µg/L	1000	ND	138 *	70-130	2.29	30	L-06, MS-15, V-06
1,2-Dichloropropane	960	100	µg/L	1000	ND	96.0	70-130	3.88	30	
cis-1,3-Dichloropropene	895	50	µg/L	1000	ND	89.5	70-130	0.336	30	
trans-1,3-Dichloropropene	852	50	µg/L	1000	ND	85.2	70-130	4.48	30	
1,4-Dioxane	9300	5000	µg/L	10000	ND	93.0	70-130	7.81	30	
Ethylbenzene	991	100	µg/L	1000	ND	99.1	70-130	2.59	30	
2-Hexanone (MBK)	10500	1000	µg/L	10000	ND	105	70-130	1.62	30	
Isopropylbenzene (Cumene)	997	100	µg/L	1000	ND	99.7	70-130	1.10	30	
Methyl Acetate	1660	100	µg/L	1000	ND	166 *	70-130	1.27	30	L-02, MS-15, V-20
Methyl tert-Butyl Ether (MTBE)	1420	100	µg/L	1000	ND	142 *	70-130	1.75	30	MS-15, V-20
Methyl Cyclohexane	1090	100	µg/L	1000	ND	109	70-130	0.458	30	
Methylene Chloride	1070	500	µg/L	1000	ND	107	70-130	7.15	30	
4-Methyl-2-pentanone (MIBK)	10200	1000	µg/L	10000	ND	102	70-130	1.41	30	
Styrene	951	100	µg/L	1000	ND	95.1	70-130	1.46	30	
1,1,2,2-Tetrachloroethane	983	50	µg/L	1000	ND	98.3	70-130	0.102	30	
Tetrachloroethylene	985	100	µg/L	1000	ND	98.5	70-130	5.82	30	
Toluene	979	100	µg/L	1000	ND	97.9	70-130	6.52	30	
1,2,3-Trichlorobenzene	855	500	µg/L	1000	ND	85.5	70-130	29.7	30	
1,2,4-Trichlorobenzene	789	100	µg/L	1000	ND	78.9	70-130	13.1	30	
1,1,1-Trichloroethane	1110	100	µg/L	1000	ND	111	70-130	2.67	30	
1,1,2-Trichloroethane	1040	100	µg/L	1000	ND	104	70-130	0.577	30	
Trichloroethylene	7790	100	µg/L	1000	6000	179 *	70-130	3.27	30	MS-19
Trichlorofluoromethane (Freon 11)	1140	200	µg/L	1000	ND	114	70-130	4.95	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1420	100	µg/L	1000	ND	142 *	70-130	3.14	30	L-02, MS-15, V-20
Vinyl Chloride	2720	200	µg/L	1000	94.0	263 *	70-130	11.7	30	L-06, MS-12, V-06
m+p Xylene	1980	200	µg/L	2000	ND	99.2	70-130	1.35	20	
o-Xylene	984	100	µg/L	1000	ND	98.4	70-130	4.28	30	
Xylenes (total)	2970	100	µg/L	3000	ND	98.9	0-200	2.33		
Surrogate: 1,2-Dichloroethane-d4	26.5		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	26.3		µg/L	25.0		105	70-130			

Batch B322398 - SW-846 5030B

Blank (B322398-BLK1)		Prepared & Analyzed: 11/08/22								
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-05
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							L-04, V-05
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							V-05

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B322398 - SW-846 5030B										
Blank (B322398-BLK1)				Prepared & Analyzed: 11/08/22						
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.0		µg/L	25.0		96.0	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.8	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B322398 - SW-846 5030B										
LCS (B322398-BS1)				Prepared & Analyzed: 11/08/22						
Acetone	82.6	50	µg/L	100		82.6	70-160			†
Benzene	8.89	1.0	µg/L	10.0		88.9	70-130			
Bromochloromethane	10.2	1.0	µg/L	10.0		102	70-130			
Bromodichloromethane	9.44	0.50	µg/L	10.0		94.4	70-130			
Bromoform	9.17	1.0	µg/L	10.0		91.7	70-130			
Bromomethane	4.86	2.0	µg/L	10.0		48.6	40-160		V-05	†
2-Butanone (MEK)	107	20	µg/L	100		107	40-160			†
Carbon Disulfide	66.2	5.0	µg/L	100		66.2 *	70-130		L-04, V-05	
Carbon Tetrachloride	9.73	5.0	µg/L	10.0		97.3	70-130			
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	9.53	0.50	µg/L	10.0		95.3	70-130			
Chloroethane	7.30	2.0	µg/L	10.0		73.0	70-130		V-05	
Chloroform	8.81	2.0	µg/L	10.0		88.1	70-130			
Chloromethane	8.52	2.0	µg/L	10.0		85.2	40-160			†
Cyclohexane	9.78	5.0	µg/L	10.0		97.8	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.29	5.0	µg/L	10.0		72.9	70-130		V-05	
1,2-Dibromoethane (EDB)	9.69	0.50	µg/L	10.0		96.9	70-130			
1,2-Dichlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130			
1,3-Dichlorobenzene	9.49	1.0	µg/L	10.0		94.9	70-130			
1,4-Dichlorobenzene	9.68	1.0	µg/L	10.0		96.8	70-130			
Dichlorodifluoromethane (Freon 12)	8.72	2.0	µg/L	10.0		87.2	40-160			†
1,1-Dichloroethane	9.90	1.0	µg/L	10.0		99.0	70-130			
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,1-Dichloroethylene	8.00	1.0	µg/L	10.0		80.0	70-130			
cis-1,2-Dichloroethylene	9.84	1.0	µg/L	10.0		98.4	70-130			
trans-1,2-Dichloroethylene	9.76	1.0	µg/L	10.0		97.6	70-130			
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130			
cis-1,3-Dichloropropene	9.12	0.50	µg/L	10.0		91.2	70-130			
trans-1,3-Dichloropropene	8.88	0.50	µg/L	10.0		88.8	70-130			
1,4-Dioxane	76.8	50	µg/L	100		76.8	40-130			†
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160			†
Isopropylbenzene (Cumene)	9.94	1.0	µg/L	10.0		99.4	70-130			
Methyl Acetate	11.1	1.0	µg/L	10.0		111	70-130			
Methyl tert-Butyl Ether (MTBE)	8.57	1.0	µg/L	10.0		85.7	70-130			
Methyl Cyclohexane	8.95	1.0	µg/L	10.0		89.5	70-130			
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	112	10	µg/L	100		112	70-160			†
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	8.70	0.50	µg/L	10.0		87.0	70-130			
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
Toluene	9.84	1.0	µg/L	10.0		98.4	70-130			
1,2,3-Trichlorobenzene	9.10	5.0	µg/L	10.0		91.0	70-130			
1,2,4-Trichlorobenzene	9.46	1.0	µg/L	10.0		94.6	70-130			
1,1,1-Trichloroethane	9.44	1.0	µg/L	10.0		94.4	70-130			
1,1,2-Trichloroethane	9.56	1.0	µg/L	10.0		95.6	70-130			
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Trichlorofluoromethane (Freon 11)	8.75	2.0	µg/L	10.0		87.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.16	1.0	µg/L	10.0		81.6	70-130			
Vinyl Chloride	8.38	2.0	µg/L	10.0		83.8	40-160			†
m+p Xylene	20.3	2.0	µg/L	20.0		101	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B322398 - SW-846 5030B										
LCS (B322398-BS1)										
Prepared & Analyzed: 11/08/22										
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Xylenes (total)	30.4	1.0	µg/L	30.0		101	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.1		µg/L	25.0		92.4	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		99.8	70-130			
LCS Dup (B322398-BS1)										
Prepared & Analyzed: 11/08/22										
Acetone	80.9	50	µg/L	100		80.9	70-160	2.10	25	†
Benzene	8.71	1.0	µg/L	10.0		87.1	70-130	2.05	25	
Bromochloromethane	9.90	1.0	µg/L	10.0		99.0	70-130	2.89	25	
Bromodichloromethane	9.44	0.50	µg/L	10.0		94.4	70-130	0.00	25	
Bromoform	9.48	1.0	µg/L	10.0		94.8	70-130	3.32	25	
Bromomethane	5.80	2.0	µg/L	10.0		58.0	40-160	17.6	25	V-05 †
2-Butanone (MEK)	106	20	µg/L	100		106	40-160	0.628	25	†
Carbon Disulfide	64.5	5.0	µg/L	100		64.5 *	70-130	2.63	25	L-04, V-05
Carbon Tetrachloride	9.43	5.0	µg/L	10.0		94.3	70-130	3.13	25	
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	1.42	25	
Chlorodibromomethane	9.85	0.50	µg/L	10.0		98.5	70-130	3.30	25	
Chloroethane	6.94	2.0	µg/L	10.0		69.4 *	70-130	5.06	25	L-07, V-05
Chloroform	8.80	2.0	µg/L	10.0		88.0	70-130	0.114	25	
Chloromethane	8.34	2.0	µg/L	10.0		83.4	40-160	2.14	25	†
Cyclohexane	9.44	5.0	µg/L	10.0		94.4	70-130	3.54	25	
1,2-Dibromo-3-chloropropane (DBCP)	7.38	5.0	µg/L	10.0		73.8	70-130	1.23	25	V-05
1,2-Dibromoethane (EDB)	9.70	0.50	µg/L	10.0		97.0	70-130	0.103	25	
1,2-Dichlorobenzene	9.57	1.0	µg/L	10.0		95.7	70-130	1.35	25	
1,3-Dichlorobenzene	9.45	1.0	µg/L	10.0		94.5	70-130	0.422	25	
1,4-Dichlorobenzene	9.58	1.0	µg/L	10.0		95.8	70-130	1.04	25	
Dichlorodifluoromethane (Freon 12)	7.92	2.0	µg/L	10.0		79.2	40-160	9.62	25	†
1,1-Dichloroethane	9.55	1.0	µg/L	10.0		95.5	70-130	3.60	25	
1,2-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.932	25	
1,1-Dichloroethylene	7.72	1.0	µg/L	10.0		77.2	70-130	3.56	25	
cis-1,2-Dichloroethylene	9.77	1.0	µg/L	10.0		97.7	70-130	0.714	25	
trans-1,2-Dichloroethylene	9.76	1.0	µg/L	10.0		97.6	70-130	0.00	25	
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	1.65	25	
cis-1,3-Dichloropropene	9.22	0.50	µg/L	10.0		92.2	70-130	1.09	25	
trans-1,3-Dichloropropene	9.06	0.50	µg/L	10.0		90.6	70-130	2.01	25	
1,4-Dioxane	80.6	50	µg/L	100		80.6	40-130	4.90	50	† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	0.978	25	
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160	0.148	25	†
Isopropylbenzene (Cumene)	9.80	1.0	µg/L	10.0		98.0	70-130	1.42	25	
Methyl Acetate	11.0	1.0	µg/L	10.0		110	70-130	1.09	25	
Methyl tert-Butyl Ether (MTBE)	8.65	1.0	µg/L	10.0		86.5	70-130	0.929	25	
Methyl Cyclohexane	8.90	1.0	µg/L	10.0		89.0	70-130	0.560	25	
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130	0.483	25	
4-Methyl-2-pentanone (MIBK)	112	10	µg/L	100		112	70-160	0.0806	25	†
Styrene	10.1	1.0	µg/L	10.0		101	70-130	0.693	25	
1,1,2,2-Tetrachloroethane	8.42	0.50	µg/L	10.0		84.2	70-130	3.27	25	
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130	0.278	25	
Toluene	9.73	1.0	µg/L	10.0		97.3	70-130	1.12	25	
1,2,3-Trichlorobenzene	8.81	5.0	µg/L	10.0		88.1	70-130	3.24	25	
1,2,4-Trichlorobenzene	9.36	1.0	µg/L	10.0		93.6	70-130	1.06	25	
1,1,1-Trichloroethane	9.15	1.0	µg/L	10.0		91.5	70-130	3.12	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B322398 - SW-846 5030B
LCS Dup (B322398-BSD1)

Prepared & Analyzed: 11/08/22

1,1,2-Trichloroethane	9.79	1.0	µg/L	10.0		97.9	70-130	2.38	25	
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	2.78	25	
Trichlorofluoromethane (Freon 11)	8.58	2.0	µg/L	10.0		85.8	70-130	1.96	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.70	1.0	µg/L	10.0		77.0	70-130	5.80	25	
Vinyl Chloride	8.17	2.0	µg/L	10.0		81.7	40-160	2.54	25	†
m+p Xylene	20.5	2.0	µg/L	20.0		103	70-130	1.27	25	
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	0.0985	25	
Xylenes (total)	30.7	1.0	µg/L	30.0		102	0-200	0.818		
Surrogate: 1,2-Dichloroethane-d4	23.4		µg/L	25.0		93.4	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-06	Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
MS-12	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022

WYSDEC Site No.: 907016

[illegible]

Data Deliverable Information	
☒	Commercial 'A' (Level 1) = Results Only
☐	Commercial 'B' (Level 2) = Results + QC Summary
☐	FULL TI (Level 3 & 4)
☐	NJ Reduced = Results + QC Summary + Partial Raw Data
☐	Commercial 'C'
☐	NJ Data of Known Quality Protocol Reporting
☐	NYASP Category A
☐	NYASP Category B
☐	State Forms
☒	EDD Format: NYSDEC EDD EQUIS
☐	Other

Laboratory Information

Lab: Contest-Pace
Address: 39 Spruce St. East Longmeadow, MA 01028
Phone: 413-525-2332
Lab PM: Kaitlyn Feliciano
Lab PM Email: Kaitlyn.feliciano@pacerlabs.com

Lab PM Approval / Date

Turnaround Time
(Business Days)

☒ Standard 10 days
☐ 1 day RUSH
☐ Other _____ day

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300_LabReport#.27908.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1 Jess Paterson	11/2/22 1800	1 GES Fridge	
Relinquished By:	Date / Time:	Received By:	
2 Jess Paterson	21/3/22 1715	2 FedEx	
Relinquished By:	Date / Time:	Received By:	
3			
Custody Seal Number:		☒ Intact ☐ Not Intact ☐ Preserved where applicable ☐ On Ice ☐ Cooler Temp	

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11/4/2022 at 9:39 am

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P: 413-525-2332
F: 413-525-6405
www.pacelabs.com



Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client GES
 Received By LA Date 11/4/22 Time 939
 How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct From Sample F Ambient Melted Ice
 Were samples within Temperature? Within 2-6°C 7 By Gun # 5 Actual Temp - 5.4
 By Blank # Actual Temp -
 Was Custody Seal In tact? N/A Were Samples Tampered with? 5
 Was COC Relinquished? 2 Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples?
 Is COC in ink/ Legible? Were samples received within holding time?
 Did COC include all Client? Analysis? Sampler Name?
 pertinent Information? Project? ID's? Collection Dates/Times?
 Are Sample labels filled out and legible?
 Are there Lab to Filters? Who was notified?
 Are there Rushes? Who was notified?
 Are there Short Holds? Who was notified?
 Samples are received within holding time? Is there enough Volume? 7
 Is there Headspace where applicable? N/A MS/MSD? 7
 Proper Media/Containers Used? splitting samples require
 Were trip blanks receive On COC?
 Do All Samples Have the proper pH? N/A Acid Base

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-	<u>22</u>	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

February 14, 2022

Thomas Palmer
NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221

Project Location: 300 Falconer St, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22A1436

Enclosed are results of analyses for samples as received by the laboratory on January 27, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Buttrick
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221
ATTN: Thomas Palmer

REPORT DATE: 2/14/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22A1436

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22A1436-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	22A1436-02	Ground Water		SW-846 8260D	
Trip Blank	22A1436-03	Ground Water		SW-846 8260D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Treatment Effluent

Sampled: 1/25/2022 11:00

Sample ID: 22A1436-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Treatment Effluent

Sampled: 1/25/2022 11:00

Sample ID: 22A1436-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:29	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	107	70-130							
Toluene-d8	99.3	70-130							
4-Bromofluorobenzene	97.2	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Treatment Effluent

Sampled: 1/25/2022 11:00

Sample ID: 22A1436-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	1/28/22	1/28/22 16:29	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Treatment Effluent

Sampled: 1/25/2022 11:00

Sample ID: 22A1436-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		EPA 200.7	2/3/22	2/4/22 13:45	MJH
Iron	0.17	0.050	mg/L	1		EPA 200.7	2/3/22	2/4/22 13:45	MJH
Zinc	0.020	0.010	mg/L	1		EPA 200.7	2/3/22	2/4/22 23:21	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Treatment Effluent

Sampled: 1/25/2022 11:00

Sample ID: 22A1436-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	mg/L	1		EPA 1664B	2/10/22	2/10/22 13:20	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Treatment Influent

Sampled: 1/25/2022 11:15

Sample ID: 22A1436-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Bromodichloromethane	1.2	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Bromoform	1.8	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Chlorodibromomethane	1.8	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Treatment Influent

Sampled: 1/25/2022 11:15

Sample ID: 22A1436-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 16:01	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	108	70-130							
Toluene-d8	98.9	70-130							
4-Bromofluorobenzene	97.4	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Treatment Influent

Sampled: 1/25/2022 11:15

Sample ID: 22A1436-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	1/28/22	1/28/22 16:01	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Trip Blank

Sampled: 1/25/2022 00:00

Sample ID: 22A1436-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Trip Blank

Sampled: 1/25/2022 00:00

Sample ID: 22A1436-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	1/28/22	1/28/22 12:23	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	108	70-130							
Toluene-d8	100	70-130							
4-Bromofluorobenzene	96.7	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22A1436

Date Received: 1/27/2022

Field Sample #: Trip Blank

Sampled: 1/25/2022 00:00

Sample ID: 22A1436-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	1/28/22	1/28/22 12:23	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
22A1436-01 [Treatment Effluent]	B300834	1000	02/10/22

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22A1436-01 [Treatment Effluent]	B300391	50.0	50.0	02/03/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22A1436-01 [Treatment Effluent]	B299915	5	5.00	01/28/22
22A1436-02 [Treatment Influent]	B299915	5	5.00	01/28/22
22A1436-03 [Trip Blank]	B299915	5	5.00	01/28/22

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B299915 - SW-846 5030B
Blank (B299915-BLK1)

Prepared & Analyzed: 01/28/22

Acetone	ND	50	µg/L
Acrylonitrile	ND	5.0	µg/L
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L
Benzene	ND	1.0	µg/L
Bromobenzene	ND	1.0	µg/L
Bromochloromethane	ND	1.0	µg/L
Bromodichloromethane	ND	0.50	µg/L
Bromoform	ND	1.0	µg/L
Bromomethane	ND	2.0	µg/L
2-Butanone (MEK)	ND	20	µg/L
tert-Butyl Alcohol (TBA)	ND	20	µg/L
n-Butylbenzene	ND	1.0	µg/L
sec-Butylbenzene	ND	1.0	µg/L
tert-Butylbenzene	ND	1.0	µg/L
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L
Carbon Disulfide	ND	5.0	µg/L
Carbon Tetrachloride	ND	5.0	µg/L
Chlorobenzene	ND	1.0	µg/L
Chlorodibromomethane	ND	0.50	µg/L
Chloroethane	ND	2.0	µg/L
Chloroform	ND	2.0	µg/L
Chloromethane	ND	2.0	µg/L
2-Chlorotoluene	ND	1.0	µg/L
4-Chlorotoluene	ND	1.0	µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	0.50	µg/L
Dibromomethane	ND	1.0	µg/L
1,2-Dichlorobenzene	ND	1.0	µg/L
1,3-Dichlorobenzene	ND	1.0	µg/L
1,4-Dichlorobenzene	ND	1.0	µg/L
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L
1,1-Dichloroethane	ND	1.0	µg/L
1,2-Dichloroethane	ND	1.0	µg/L
1,1-Dichloroethylene	ND	1.0	µg/L
cis-1,2-Dichloroethylene	ND	1.0	µg/L
trans-1,2-Dichloroethylene	ND	1.0	µg/L
1,2-Dichloropropane	ND	1.0	µg/L
1,3-Dichloropropane	ND	0.50	µg/L
2,2-Dichloropropane	ND	1.0	µg/L
1,1-Dichloropropene	ND	2.0	µg/L
cis-1,3-Dichloropropene	ND	0.50	µg/L
trans-1,3-Dichloropropene	ND	0.50	µg/L
Diethyl Ether	ND	2.0	µg/L
Diisopropyl Ether (DIPE)	ND	0.50	µg/L
1,4-Dioxane	ND	50	µg/L
Ethylbenzene	ND	1.0	µg/L
Hexachlorobutadiene	ND	0.60	µg/L
2-Hexanone (MBK)	ND	10	µg/L
Isopropylbenzene (Cumene)	ND	1.0	µg/L
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L
Methyl Acetate	ND	1.0	µg/L

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B299915 - SW-846 5030B
Blank (B299915-BLK1)

Prepared & Analyzed: 01/28/22

Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.1		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.3		µg/L	25.0		97.1	70-130			

LCS (B299915-BS1)

Prepared & Analyzed: 01/28/22

Acetone	112	50	µg/L	100		112	70-160			†
Acrylonitrile	10.8	5.0	µg/L	10.0		108	70-130			
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0		104	70-130			
Benzene	10.0	1.0	µg/L	10.0		100	70-130			
Bromobenzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromochloromethane	10.9	1.0	µg/L	10.0		109	70-130			
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130			
Bromoform	10.4	1.0	µg/L	10.0		104	70-130			
Bromomethane	10.6	2.0	µg/L	10.0		106	40-160			†
2-Butanone (MEK)	104	20	µg/L	100		104	40-160			†
tert-Butyl Alcohol (TBA)	120	20	µg/L	100		120	40-160			†
n-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130			
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130			
tert-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.5	0.50	µg/L	10.0		105	70-130			
Carbon Disulfide	117	5.0	µg/L	100		117	70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
Chlorodibromomethane	9.73	0.50	µg/L	10.0		97.3	70-130			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
Chloroform	10.6	2.0	µg/L	10.0		106	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299915 - SW-846 5030B										
LCS (B299915-BS1)										
Prepared & Analyzed: 01/28/22										
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160			†
2-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130			
4-Chlorotoluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.4	5.0	µg/L	10.0		104	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130			
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
trans-1,4-Dichloro-2-butene	8.50	2.0	µg/L	10.0		85.0	70-130			
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160			†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloroethane	9.77	1.0	µg/L	10.0		97.7	70-130			
1,1-Dichloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130			
1,3-Dichloropropane	10.5	0.50	µg/L	10.0		105	70-130			
2,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	40-130			†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106	70-130			
cis-1,3-Dichloropropene	9.89	0.50	µg/L	10.0		98.9	70-130			
trans-1,3-Dichloropropene	9.96	0.50	µg/L	10.0		99.6	70-130			
Diethyl Ether	11.1	2.0	µg/L	10.0		111	70-130			
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130			
1,4-Dioxane	95.5	50	µg/L	100		95.5	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Hexachlorobutadiene	10.7	0.60	µg/L	10.0		107	70-130			
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160			†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130			
p-Isopropyltoluene (p-Cymene)	10.8	1.0	µg/L	10.0		108	70-130			
Methyl Acetate	11.1	1.0	µg/L	10.0		111	70-130			
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130			
Methyl Cyclohexane	9.69	1.0	µg/L	10.0		96.9	70-130			
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130			
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104	70-160			†
Naphthalene	10.7	2.0	µg/L	10.0		107	40-130			†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,1,2-Tetrachloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109	70-130			
Tetrachloroethylene	10.1	1.0	µg/L	10.0		101	70-130			
Tetrahydrofuran	9.90	10	µg/L	10.0		99.0	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	11.2	5.0	µg/L	10.0		112	70-130			
1,2,4-Trichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
1,3,5-Trichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	11.4	2.0	µg/L	10.0		114	70-130			
1,2,3-Trichloropropane	11.2	2.0	µg/L	10.0		112	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299915 - SW-846 5030B										
LCS (B299915-BS1)										
Prepared & Analyzed: 01/28/22										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130			
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160			†
m+p Xylene	21.5	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	27.5		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.4	70-130			
LCS Dup (B299915-BSD1)										
Prepared & Analyzed: 01/28/22										
Acetone	118	50	µg/L	100		118	70-160	4.92	25	†
Acrylonitrile	11.4	5.0	µg/L	10.0		114	70-130	5.50	25	
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0		104	70-130	0.192	25	
Benzene	10.3	1.0	µg/L	10.0		103	70-130	2.95	25	
Bromobenzene	10.8	1.0	µg/L	10.0		108	70-130	0.278	25	
Bromochloromethane	11.0	1.0	µg/L	10.0		110	70-130	0.819	25	
Bromodichloromethane	9.96	0.50	µg/L	10.0		99.6	70-130	0.401	25	
Bromoform	10.4	1.0	µg/L	10.0		104	70-130	0.0957	25	
Bromomethane	13.3	2.0	µg/L	10.0		133	40-160	22.7	25	†
2-Butanone (MEK)	106	20	µg/L	100		106	40-160	2.32	25	†
tert-Butyl Alcohol (TBA)	130	20	µg/L	100		130	40-160	8.27	25	†
n-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130	3.13	25	
sec-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130	3.50	25	
tert-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130	2.98	25	
tert-Butyl Ethyl Ether (TBEE)	10.6	0.50	µg/L	10.0		106	70-130	0.946	25	
Carbon Disulfide	120	5.0	µg/L	100		120	70-130	2.56	25	
Carbon Tetrachloride	11.0	5.0	µg/L	10.0		110	70-130	4.53	25	
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	1.12	25	
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130	3.24	25	
Chloroethane	12.2	2.0	µg/L	10.0		122	70-130	19.3	25	
Chloroform	10.8	2.0	µg/L	10.0		108	70-130	2.06	25	
Chloromethane	13.0	2.0	µg/L	10.0		130	40-160	23.0	25	†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	0.575	25	
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130	1.21	25	
1,2-Dibromo-3-chloropropane (DBCP)	11.0	5.0	µg/L	10.0		110	70-130	5.62	25	
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130	0.473	25	
Dibromomethane	10.4	1.0	µg/L	10.0		104	70-130	1.07	25	
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	2.79	25	
1,3-Dichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130	2.86	25	
1,4-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	2.07	25	
trans-1,4-Dichloro-2-butene	9.18	2.0	µg/L	10.0		91.8	70-130	7.69	25	
Dichlorodifluoromethane (Freon 12)	11.4	2.0	µg/L	10.0		114	40-160	6.44	25	†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130	1.40	25	
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	2.33	25	
1,1-Dichloroethylene	11.9	1.0	µg/L	10.0		119	70-130	3.25	25	
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	1.40	25	
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	0.645	25	
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	4.01	25	
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107	70-130	2.17	25	
2,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	40-130	1.38	25	†
1,1-Dichloropropene	10.9	2.0	µg/L	10.0		109	70-130	2.89	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B299915 - SW-846 5030B										
LCS Dup (B299915-BSD1)				Prepared & Analyzed: 01/28/22						
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	3.09	25	
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	2.28	25	
Diethyl Ether	11.1	2.0	µg/L	10.0		111	70-130	0.00	25	
Diisopropyl Ether (DIPE)	10.3	0.50	µg/L	10.0		103	70-130	1.37	25	
1,4-Dioxane	97.8	50	µg/L	100		97.8	40-130	2.43	50	† ‡
Ethylbenzene	11.0	1.0	µg/L	10.0		110	70-130	2.87	25	
Hexachlorobutadiene	11.2	0.60	µg/L	10.0		112	70-130	4.55	25	
2-Hexanone (MBK)	108	10	µg/L	100		108	70-160	4.89	25	†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130	1.68	25	
p-Isopropyltoluene (p-Cymene)	11.0	1.0	µg/L	10.0		110	70-130	1.93	25	
Methyl Acetate	11.8	1.0	µg/L	10.0		118	70-130	5.86	25	
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130	1.79	25	
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101	70-130	4.04	25	
Methylene Chloride	11.7	5.0	µg/L	10.0		117	70-130	5.01	25	
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100		107	70-160	2.94	25	†
Naphthalene	12.0	2.0	µg/L	10.0		120	40-130	10.9	25	†
n-Propylbenzene	11.0	1.0	µg/L	10.0		110	70-130	4.55	25	
Styrene	10.9	1.0	µg/L	10.0		109	70-130	1.67	25	
1,1,1,2-Tetrachloroethane	10.8	1.0	µg/L	10.0		108	70-130	1.40	25	
1,1,2,2-Tetrachloroethane	11.3	0.50	µg/L	10.0		113	70-130	3.33	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	2.25	25	
Tetrahydrofuran	10.4	10	µg/L	10.0		104	70-130	5.41	25	
Toluene	10.5	1.0	µg/L	10.0		105	70-130	2.80	25	
1,2,3-Trichlorobenzene	12.6	5.0	µg/L	10.0		126	70-130	12.0	25	
1,2,4-Trichlorobenzene	11.6	1.0	µg/L	10.0		116	70-130	5.05	25	
1,3,5-Trichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130	4.60	25	
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130	1.17	25	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.286	25	
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	2.35	25	
Trichlorofluoromethane (Freon 11)	11.8	2.0	µg/L	10.0		118	70-130	3.89	25	
1,2,3-Trichloropropane	11.5	2.0	µg/L	10.0		115	70-130	2.74	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130	3.88	25	
1,2,4-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130	3.27	25	
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	1.96	25	
Vinyl Chloride	10.4	2.0	µg/L	10.0		104	40-160	1.71	25	†
m+p Xylene	21.9	2.0	µg/L	20.0		109	70-130	1.61	25	
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130	2.39	25	
Surrogate: 1,2-Dichloroethane-d4	27.6		µg/L	25.0		111	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.0		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.6	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**QUALITY CONTROL****Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B299915 - SW-846 5030B**Blank (B299915-BLK1)**

Prepared & Analyzed: 01/28/22

Tentatively Identified Compounds	0.0		µg/L
No TICs Found	0.0		µg/L

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B300391 - EPA 200.7										
Blank (B300391-BLK1)				Prepared: 02/03/22 Analyzed: 02/04/22						
Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B300391-BS1)				Prepared: 02/03/22 Analyzed: 02/04/22						
Aluminum	0.452	0.050	mg/L	0.500		90.4	85-115			
Iron	3.82	0.050	mg/L	4.00		95.5	85-115			
Zinc	0.904	0.010	mg/L	1.00		90.4	85-115			
LCS Dup (B300391-BSD1)				Prepared: 02/03/22 Analyzed: 02/04/22						
Aluminum	0.495	0.050	mg/L	0.500		99.0	85-115	9.03	20	
Iron	4.12	0.050	mg/L	4.00		103	85-115	7.59	20	
Zinc	0.977	0.010	mg/L	1.00		97.7	85-115	7.73	20	
Duplicate (B300391-DUP1)				Source: 22A1436-01		Prepared: 02/03/22 Analyzed: 02/04/22				
Aluminum	ND	0.050	mg/L		ND			NC	20	
Iron	0.180	0.050	mg/L		0.168			6.81	20	
Zinc	0.0197	0.010	mg/L		0.0198			0.214	20	
Matrix Spike (B300391-MS1)				Source: 22A1436-01		Prepared: 02/03/22 Analyzed: 02/04/22				
Aluminum	0.487	0.050	mg/L	0.500	ND	97.4	70-130			
Iron	4.18	0.050	mg/L	4.00	0.168	100	70-130			
Zinc	0.979	0.010	mg/L	1.00	0.0198	96.0	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B300834 - EPA 1664B										
Blank (B300834-BLK1)				Prepared & Analyzed: 02/10/22						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B300834-BLK2)				Prepared & Analyzed: 02/10/22						
Oil & Grease (HEM)	ND	56	mg/L							
LCS (B300834-BS1)				Prepared & Analyzed: 02/10/22						
Oil & Grease (HEM)	18	1.4	mg/L	20.0		92.0	78-114			
LCS (B300834-BS2)				Prepared & Analyzed: 02/10/22						
Oil & Grease (HEM)	790	56	mg/L	800		98.5	78-114			
LCS (B300834-BS3)				Prepared & Analyzed: 02/10/22						
Oil & Grease (HEM)	17	1.4	mg/L	20.0		86.5	78-114			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022



2201436 CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

NYSDEC Site No.: 907016 / Lab Callout ID: 142802

PAGE 1 OF 1

CLIENT/REPORTING INFORMATION				PROJECT INFORMATION				BILLING INFORMATION				REQUESTED ANALYSIS (See Test Code Sheet)				LAB USE ONLY	
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Dr, Suite 6, Williamsville, NY Project Manager: Thomas Palmer Phone #: 716-481-1964 tpalmer@gesonline.com fax				Project Name: NYSDEC/Frewsburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Frewsburg, NY Project PSID #: 907134				Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable Invoice Instructions NYSDEC Site No.: 907016 Lab Manager: Kaitlyn Feliciano				1664A, calc - oil & grease 8260C - TCLVOCs OLM04.2 list 200.7 - Total Al, Fe, Zn					
Sampler(s) Name:				Sampler(s) Name:				number of preserved bottles									
Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	
1	Treatment Effluent	na	1/25	1100	WV	WG	5	2		1	3						
2	Treatment Influent	na	1/25	1115	WV	WG	2	2									
3	Trip Blank	na	1/25		WV	WG	2										

Turnaround Time

(Business Days)

- ☒ Standard 14 days
☐ 1 day RUSH
☐ Other _____ days

Lab PM Approval / Date

Date / Time: _____
 Address: 39 Spruce St. East Longmeadow, MA 01028
 Phone: 413-525-2332
 Lab PM: Kaitlyn Feliciano
 Lab PM Email: kaitlyn.feliciano@pacelabs.com

Laboratory Information

Lab: Contest-Pace Analytical

Address: 39 Spruce St. East Longmeadow, MA 01028

Phone: 413-525-2332

Lab PM: Kaitlyn Feliciano

Lab PM Email: kaitlyn.feliciano@pacelabs.com

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300_LabReport# 27908.EQEDD.zip

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
☐ Commercial 'B' (Level 2) = Results + QC Summary
☐ FULLT1 (Level 3 & 4)
☐ NI Reduced = Results + QC Summary + Partial Raw Data
☐ Commercial 'C'
☐ NI Data of Known Quality Protocol Reporting
☐ NYASP Category A
☐ NYASP Category B
☐ State Forms
☐ EDD Format
☐ Other _____

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
2706 Ted G	1/25 1630	1-27	gud
Relinquished By:	Date / Time:	Received By:	
2706 Ted G	1/26 1200		
Relinquished By:	Date / Time:	Received By:	
Custody Seal Number:	Intact	Not Intact	Preserved where applicable
			On Ice Cooler Temp



TRACK ANOTHER SHIPMENT

872871857110

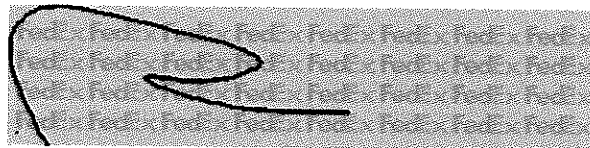
ADD NICKNAME



Delivered
Thursday, 1/27/2022 at 9:44 am

**DELIVERED**

Signed for by: R.RIOS



GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

GES

TOM PALMER

415 LAWRENCE DELL DR 6
BUF, US 14221

TO

CONTEST PACE

US
MA US 01028

MANAGE DELIVERY

Travel History

TIME ZONE

Local Scan Time

Thursday, January 27,
2022

9:44 AM	MA	Delivered
7:48 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:39 AM	WINDSOR LOCKS, CT	At local FedEx facility
6:21 AM	EAST GRANBY, CT	At destination sort facility
3:18 AM	NEWARK, NJ	Departed FedEx hub
12:24 AM	NEWARK, NJ	Arrived at FedEx hub

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples _____



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False
Statement will be brought to the attention of the Client - State True or False**

Client GES

Received By LA Date 1/27/27 Time 944

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling F Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C F By Gun # B Actual Temp - 8
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? F Were Samples Tampered with? F

Was COC Relinquished? F Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client _____ Analysis T Sampler Name T

pertinent Information? Project _____ ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? T Who was notified? _____

Are there Rushes? T Who was notified? _____

Are there Short Holds? T Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? F

Do all samples have the proper pH? T Acid T Base _____

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.	<u>2</u>	1 Liter Plastic		16 oz Amb.
HCL-	<u>6</u>	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	<u>1</u>	4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear
DI-		Other Glass		Other Plastic		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

March 2, 2022

Thomas Palmer
NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221

Project Location: 300 Falconer St, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22B0968

Enclosed are results of analyses for samples as received by the laboratory on February 16, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mike Buttrick
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221
ATTN: Thomas Palmer

REPORT DATE: 3/2/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22B0968

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22B0968-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Ftreatment Influent	22B0968-02	Ground Water		SW-846 8260D	
Trip Blank	22B0968-03	Ground Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260D

Qualifications:**L-02**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethan**

B301426-BS1, B301426-BSD1, S068403-CCV1

Bromomethane

B301426-BS1, B301426-BSD1, S068403-CCV1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Acrylonitrile**

B301426-BSD1

Tetrahydrofuran

B301426-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22B0968-02[Ftreatment Influent]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

22B0968-03[Trip Blank], B301431-BLK1, B301431-BS1, B301431-BSD1, S068389-CCV1

Bromomethane

22B0968-03[Trip Blank], B301431-BLK1, B301431-BS1, B301431-BSD1, S068389-CCV1

Chloromethane

22B0968-01[Treatment Effluent], 22B0968-02[Ftreatment Influent], B301426-BLK1, B301426-BS1, B301426-BSD1, S068403-CCV1

trans-1,4-Dichloro-2-butene

22B0968-03[Trip Blank], B301431-BLK1, B301431-BS1, B301431-BSD1, S068389-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethan**

B301426-BS1, B301426-BSD1, S068403-CCV1

Acrylonitrile

B301426-BS1, B301426-BSD1, S068403-CCV1

Bromochloromethane

B301426-BS1, B301426-BSD1, S068403-CCV1

Bromomethane

B301426-BS1, B301426-BSD1, S068403-CCV1

Carbon Disulfide

B301431-BS1, B301431-BSD1, S068389-CCV1

Methyl Acetate

B301431-BS1, B301431-BSD1, S068389-CCV1

tert-Butyl Alcohol (TBA)

B301426-BS1, B301426-BSD1, B301431-BS1, B301431-BSD1, S068389-CCV1, S068403-CCV1

Tetrahydrofuran

B301426-BS1, B301426-BSD1, S068403-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:**Bromomethane**

22B0968-01[Treatment Effluent], 22B0968-02[Ftreatment Influent], B301426-BLK1, B301426-BS1, B301426-BSD1, S068403-CCV1

Chloromethane

22B0968-01[Treatment Effluent], 22B0968-02[Ftreatment Influent], B301426-BLK1, B301426-BS1, B301426-BSD1, S068403-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopycinski
Laboratory Director

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22B0968

Date Received: 2/16/2022

Field Sample #: Treatment Effluent

Sampled: 2/15/2022 10:30

Sample ID: 22B0968-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Bromomethane	ND	2.0	µg/L	1	V-34	SW-846 8260D	2/17/22	2/17/22 18:26	KMB
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Chloromethane	ND	2.0	µg/L	1	V-05, V-34	SW-846 8260D	2/17/22	2/17/22 18:26	KMB
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
cis-1,2-Dichloroethylene	69	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22B0968

Date Received: 2/16/2022

Field Sample #: Treatment Effluent

Sampled: 2/15/2022 10:30

Sample ID: 22B0968-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Trichloroethylene	32	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/17/22 18:26	KMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	96.2	70-130							
Toluene-d8	95.8	70-130							
4-Bromofluorobenzene	99.7	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22B0968

Date Received: 2/16/2022

Field Sample #: Treatment Effluent

Sampled: 2/15/2022 10:30

Sample ID: 22B0968-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		EPA 200.7	2/28/22	3/1/22 18:31	QNW
Iron	2.7	0.050	mg/L	1		EPA 200.7	2/28/22	3/1/22 18:31	QNW
Zinc	0.26	0.010	mg/L	1		EPA 200.7	2/28/22	3/1/22 18:31	QNW

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22B0968

Date Received: 2/16/2022

Field Sample #: Treatment Effluent

Sampled: 2/15/2022 10:30

Sample ID: 22B0968-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	mg/L	1		EPA 1664B	2/28/22	2/28/22 13:00	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22B0968

Date Received: 2/16/2022

Field Sample #: Ftreatment Influent

Sampled: 2/15/2022 10:40

Sample ID: 22B0968-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1200	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Acrylonitrile	ND	120	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
tert-Amyl Methyl Ether (TAME)	ND	12	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Benzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Bromobenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Bromochloromethane	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Bromodichloromethane	ND	12	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Bromoform	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Bromomethane	ND	50	µg/L	25	V-34	SW-846 8260D	2/17/22	2/17/22 18:52	KMB
2-Butanone (MEK)	ND	500	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
tert-Butyl Alcohol (TBA)	ND	500	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
n-Butylbenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
sec-Butylbenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
tert-Butylbenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
tert-Butyl Ethyl Ether (TBEE)	ND	12	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Carbon Disulfide	ND	120	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Carbon Tetrachloride	ND	120	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Chlorobenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Chlorodibromomethane	ND	12	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Chloroethane	ND	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Chloroform	ND	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Chloromethane	ND	50	µg/L	25	V-05, V-34	SW-846 8260D	2/17/22	2/17/22 18:52	KMB
2-Chlorotoluene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
4-Chlorotoluene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,2-Dibromo-3-chloropropane (DBCP)	ND	120	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,2-Dibromoethane (EDB)	ND	12	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Dibromomethane	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,2-Dichlorobenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,3-Dichlorobenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,4-Dichlorobenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
trans-1,4-Dichloro-2-butene	ND	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Dichlorodifluoromethane (Freon 12)	ND	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,1-Dichloroethane	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,2-Dichloroethane	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,1-Dichloroethylene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
cis-1,2-Dichloroethylene	1900	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
trans-1,2-Dichloroethylene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,2-Dichloropropane	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,3-Dichloropropane	ND	12	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
2,2-Dichloropropane	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,1-Dichloropropene	ND	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
cis-1,3-Dichloropropene	ND	12	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
trans-1,3-Dichloropropene	ND	12	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Diethyl Ether	ND	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22B0968

Date Received: 2/16/2022

Field Sample #: Ftreatment Influent

Sampled: 2/15/2022 10:40

Sample ID: 22B0968-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	12	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,4-Dioxane	ND	1200	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Ethylbenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Hexachlorobutadiene	ND	15	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
2-Hexanone (MBK)	ND	250	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Isopropylbenzene (Cumene)	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
p-Isopropyltoluene (p-Cymene)	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Methyl Acetate	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Methyl tert-Butyl Ether (MTBE)	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Methyl Cyclohexane	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Methylene Chloride	ND	120	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
4-Methyl-2-pentanone (MIBK)	ND	250	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Naphthalene	ND	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
n-Propylbenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Styrene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,1,1,2-Tetrachloroethane	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,1,2,2-Tetrachloroethane	ND	12	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Tetrachloroethylene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Tetrahydrofuran	ND	250	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Toluene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,2,3-Trichlorobenzene	ND	120	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,2,4-Trichlorobenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,3,5-Trichlorobenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,1,1-Trichloroethane	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,1,2-Trichloroethane	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Trichloroethylene	1800	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Trichlorofluoromethane (Freon 11)	ND	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,2,3-Trichloropropane	ND	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,2,4-Trimethylbenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
1,3,5-Trimethylbenzene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Vinyl Chloride	60	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
m+p Xylene	ND	50	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
o-Xylene	ND	25	µg/L	25		SW-846 8260D	2/17/22	2/17/22 18:52	KMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	94.2	70-130							
Toluene-d8	95.6	70-130							
4-Bromofluorobenzene	101	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22B0968

Date Received: 2/16/2022

Field Sample #: Trip Blank

Sampled: 2/15/2022 00:00

Sample ID: 22B0968-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Bromomethane	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/17/22	2/18/22 1:53	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1	V-05	SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1	V-05	SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22B0968

Date Received: 2/16/2022

Field Sample #: Trip Blank

Sampled: 2/15/2022 00:00

Sample ID: 22B0968-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	2/17/22	2/18/22 1:53	EEH
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	101	70-130							
Toluene-d8	100	70-130							
4-Bromofluorobenzene	100	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
22B0968-01 [Treatment Effluent]	B302071	1000	02/28/22

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22B0968-01 [Treatment Effluent]	B302117	50.0	50.0	02/28/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22B0968-01 [Treatment Effluent]	B301426	5	5.00	02/17/22
22B0968-02 [Treatment Influent]	B301426	0.2	5.00	02/17/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22B0968-03 [Trip Blank]	B301431	5	5.00	02/17/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B301426 - SW-846 5030B
Blank (B301426-BLK1)

Prepared & Analyzed: 02/17/22

Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-34
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05, V-34
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Difluorochloromethane (Freon 22)	ND	1.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B301426 - SW-846 5030B
Blank (B301426-BLK1)

Prepared & Analyzed: 02/17/22

Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.1		µg/L	25.0		96.2	70-130			
Surrogate: Toluene-d8	24.2		µg/L	25.0		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.4	70-130			

LCS (B301426-BS1)

Prepared & Analyzed: 02/17/22

Acetone	127	50	µg/L	100		127	70-160			†
Acrylonitrile	12.9	5.0	µg/L	10.0		129	70-130		V-20	
tert-Amyl Methyl Ether (TAME)	10.9	0.50	µg/L	10.0		109	70-130			
Benzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromobenzene	10.3	1.0	µg/L	10.0		103	70-130			
Bromochloromethane	12.5	1.0	µg/L	10.0		125	70-130		V-20	
Bromodichloromethane	11.1	0.50	µg/L	10.0		111	70-130			
Bromoform	11.4	1.0	µg/L	10.0		114	70-130			
Bromomethane	20.9	2.0	µg/L	10.0		209	* 40-160		L-02, V-20, V-34	†
2-Butanone (MEK)	118	20	µg/L	100		118	40-160			†
tert-Butyl Alcohol (TBA)	132	20	µg/L	100		132	40-160		V-20	†
n-Butylbenzene	9.31	1.0	µg/L	10.0		93.1	70-130			
sec-Butylbenzene	9.45	1.0	µg/L	10.0		94.5	70-130			
tert-Butylbenzene	9.83	1.0	µg/L	10.0		98.3	70-130			
tert-Butyl Ethyl Ether (TBEE)	11.5	0.50	µg/L	10.0		115	70-130			
Carbon Disulfide	101	5.0	µg/L	100		101	70-130			
Carbon Tetrachloride	12.0	5.0	µg/L	10.0		120	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
Chlorodibromomethane	11.6	0.50	µg/L	10.0		116	70-130			
Chloroethane	12.4	2.0	µg/L	10.0		124	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B301426 - SW-846 5030B										
LCS (B301426-BS1)										
Prepared & Analyzed: 02/17/22										
Chloroform	11.3	2.0	µg/L	10.0		113	70-130			
Chloromethane	4.87	2.0	µg/L	10.0		48.7	40-160			V-05, V-34 †
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130			
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.3	5.0	µg/L	10.0		103	70-130			
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114	70-130			
Dibromomethane	11.8	1.0	µg/L	10.0		118	70-130			
1,2-Dichlorobenzene	9.80	1.0	µg/L	10.0		98.0	70-130			
1,3-Dichlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130			
1,4-Dichlorobenzene	9.81	1.0	µg/L	10.0		98.1	70-130			
trans-1,4-Dichloro-2-butene	10.5	2.0	µg/L	10.0		105	70-130			
Dichlorodifluoromethane (Freon 12)	9.84	2.0	µg/L	10.0		98.4	40-160			†
1,1-Dichloroethane	11.5	1.0	µg/L	10.0		115	70-130			
1,2-Dichloroethane	11.6	1.0	µg/L	10.0		116	70-130			
1,1-Dichloroethylene	12.7	1.0	µg/L	10.0		127	70-130			
cis-1,2-Dichloroethylene	12.0	1.0	µg/L	10.0		120	70-130			
trans-1,2-Dichloroethylene	12.1	1.0	µg/L	10.0		121	70-130			
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130			
1,3-Dichloropropane	11.1	0.50	µg/L	10.0		111	70-130			
2,2-Dichloropropane	11.7	1.0	µg/L	10.0		117	40-130			†
1,1-Dichloropropene	11.1	2.0	µg/L	10.0		111	70-130			
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
Diethyl Ether	12.0	2.0	µg/L	10.0		120	70-130			
Difluorochloromethane (Freon 22)	11.5	1.0	µg/L	10.0		115	70-130			
Diisopropyl Ether (DIPE)	11.7	0.50	µg/L	10.0		117	70-130			
1,4-Dioxane	108	50	µg/L	100		108	40-130			†
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Hexachlorobutadiene	8.62	0.60	µg/L	10.0		86.2	70-130			
2-Hexanone (MBK)	118	10	µg/L	100		118	70-160			†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130			
p-Isopropyltoluene (p-Cymene)	9.70	1.0	µg/L	10.0		97.0	70-130			
Methyl Acetate	10.2	1.0	µg/L	10.0		102	70-130			
Methyl tert-Butyl Ether (MTBE)	11.7	1.0	µg/L	10.0		117	70-130			
Methyl Cyclohexane	11.0	1.0	µg/L	10.0		110	70-130			
Methylene Chloride	11.5	5.0	µg/L	10.0		115	70-130			
4-Methyl-2-pentanone (MIBK)	123	10	µg/L	100		123	70-160			†
Naphthalene	9.00	2.0	µg/L	10.0		90.0	40-130			†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Styrene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,1,2-Tetrachloroethane	11.3	1.0	µg/L	10.0		113	70-130			
1,1,2,2-Tetrachloroethane	11.2	0.50	µg/L	10.0		112	70-130			
Tetrachloroethylene	11.7	1.0	µg/L	10.0		117	70-130			
Tetrahydrofuran	13.6	10	µg/L	10.0		136	* 70-130			L-07, V-20
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	8.86	5.0	µg/L	10.0		88.6	70-130			
1,2,4-Trichlorobenzene	9.19	1.0	µg/L	10.0		91.9	70-130			
1,3,5-Trichlorobenzene	8.99	1.0	µg/L	10.0		89.9	70-130			
1,1,1-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130			
1,1,2-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130			
Trichloroethylene	11.4	1.0	µg/L	10.0		114	70-130			
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B301426 - SW-846 5030B										
LCS (B301426-BS1)										
Prepared & Analyzed: 02/17/22										
1,2,3-Trichloropropane	11.8	2.0	µg/L	10.0		118	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.6	1.0	µg/L	10.0		136 *	70-130			L-02, V-20
1,2,4-Trimethylbenzene	9.73	1.0	µg/L	10.0		97.3	70-130			
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Vinyl Chloride	10.7	2.0	µg/L	10.0		107	40-160			†
m+p Xylene	21.4	2.0	µg/L	20.0		107	70-130			
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.1		µg/L	25.0		96.4	70-130			
Surrogate: Toluene-d8	24.1		µg/L	25.0		96.3	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102	70-130			
LCS Dup (B301426-BSD1)										
Prepared & Analyzed: 02/17/22										
Acetone	122	50	µg/L	100		122	70-160	4.05	25	†
Acrylonitrile	13.3	5.0	µg/L	10.0		133 *	70-130	2.74	25	L-07, V-20
tert-Amyl Methyl Ether (TAME)	11.2	0.50	µg/L	10.0		112	70-130	1.90	25	
Benzene	10.7	1.0	µg/L	10.0		107	70-130	0.466	25	
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130	1.27	25	
Bromochloromethane	12.9	1.0	µg/L	10.0		129	70-130	3.07	25	V-20
Bromodichloromethane	11.0	0.50	µg/L	10.0		110	70-130	0.995	25	
Bromoform	11.5	1.0	µg/L	10.0		115	70-130	0.349	25	
Bromomethane	21.3	2.0	µg/L	10.0		213 *	40-160	1.99	25	L-02, V-20, V-34 †
2-Butanone (MEK)	114	20	µg/L	100		114	40-160	3.44	25	†
tert-Butyl Alcohol (TBA)	126	20	µg/L	100		126	40-160	4.30	25	V-20 †
n-Butylbenzene	9.16	1.0	µg/L	10.0		91.6	70-130	1.62	25	
sec-Butylbenzene	9.30	1.0	µg/L	10.0		93.0	70-130	1.60	25	
tert-Butylbenzene	9.75	1.0	µg/L	10.0		97.5	70-130	0.817	25	
tert-Butyl Ethyl Ether (TBEE)	11.7	0.50	µg/L	10.0		117	70-130	1.47	25	
Carbon Disulfide	99.6	5.0	µg/L	100		99.6	70-130	1.85	25	
Carbon Tetrachloride	11.8	5.0	µg/L	10.0		118	70-130	2.35	25	
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.935	25	
Chlorodibromomethane	11.5	0.50	µg/L	10.0		115	70-130	1.04	25	
Chloroethane	12.0	2.0	µg/L	10.0		120	70-130	3.19	25	
Chloroform	11.2	2.0	µg/L	10.0		112	70-130	0.712	25	
Chloromethane	4.63	2.0	µg/L	10.0		46.3	40-160	5.05	25	V-05, V-34 †
2-Chlorotoluene	9.96	1.0	µg/L	10.0		99.6	70-130	3.16	25	
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	0.289	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.77	5.0	µg/L	10.0		97.7	70-130	5.09	25	
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130	0.353	25	
Dibromomethane	11.8	1.0	µg/L	10.0		118	70-130	0.169	25	
1,2-Dichlorobenzene	9.94	1.0	µg/L	10.0		99.4	70-130	1.42	25	
1,3-Dichlorobenzene	9.91	1.0	µg/L	10.0		99.1	70-130	0.503	25	
1,4-Dichlorobenzene	9.83	1.0	µg/L	10.0		98.3	70-130	0.204	25	
trans-1,4-Dichloro-2-butene	10.8	2.0	µg/L	10.0		108	70-130	3.10	25	
Dichlorodifluoromethane (Freon 12)	9.78	2.0	µg/L	10.0		97.8	40-160	0.612	25	†
1,1-Dichloroethane	11.4	1.0	µg/L	10.0		114	70-130	0.701	25	
1,2-Dichloroethane	11.4	1.0	µg/L	10.0		114	70-130	1.83	25	
1,1-Dichloroethylene	12.6	1.0	µg/L	10.0		126	70-130	1.03	25	
cis-1,2-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130	5.12	25	
trans-1,2-Dichloroethylene	11.8	1.0	µg/L	10.0		118	70-130	2.26	25	
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130	0.00	25	
1,3-Dichloropropane	11.1	0.50	µg/L	10.0		111	70-130	0.0903	25	
2,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	40-130	5.26	25	†

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B301426 - SW-846 5030B										
LCS Dup (B301426-BSD1)				Prepared & Analyzed: 02/17/22						
1,1-Dichloropropene	11.0	2.0	µg/L	10.0		110	70-130	1.26	25	
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130	1.29	25	
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	0.987	25	
Diethyl Ether	11.4	2.0	µg/L	10.0		114	70-130	5.20	25	
Difluorochloromethane (Freon 22)	11.6	1.0	µg/L	10.0		116	70-130	0.692	25	
Diisopropyl Ether (DIPE)	11.6	0.50	µg/L	10.0		116	70-130	0.428	25	
1,4-Dioxane	112	50	µg/L	100		112	40-130	2.86	50	† ‡
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	2.57	25	
Hexachlorobutadiene	8.45	0.60	µg/L	10.0		84.5	70-130	1.99	25	
2-Hexanone (MBK)	116	10	µg/L	100		116	70-160	2.27	25	†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104	70-130	0.768	25	
p-Isopropyltoluene (p-Cymene)	9.41	1.0	µg/L	10.0		94.1	70-130	3.04	25	
Methyl Acetate	10.1	1.0	µg/L	10.0		101	70-130	0.989	25	
Methyl tert-Butyl Ether (MTBE)	12.1	1.0	µg/L	10.0		121	70-130	3.11	25	
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130	5.79	25	
Methylene Chloride	11.3	5.0	µg/L	10.0		113	70-130	1.14	25	
4-Methyl-2-pentanone (MIBK)	118	10	µg/L	100		118	70-160	3.69	25	†
Naphthalene	8.89	2.0	µg/L	10.0		88.9	40-130	1.23	25	†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.08	25	
Styrene	10.5	1.0	µg/L	10.0		105	70-130	1.14	25	
1,1,1,2-Tetrachloroethane	11.2	1.0	µg/L	10.0		112	70-130	0.887	25	
1,1,2,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111	70-130	0.540	25	
Tetrachloroethylene	11.6	1.0	µg/L	10.0		116	70-130	0.514	25	
Tetrahydrofuran	12.8	10	µg/L	10.0		128	70-130	5.85	25	V-20
Toluene	10.6	1.0	µg/L	10.0		106	70-130	1.41	25	
1,2,3-Trichlorobenzene	8.60	5.0	µg/L	10.0		86.0	70-130	2.98	25	
1,2,4-Trichlorobenzene	9.13	1.0	µg/L	10.0		91.3	70-130	0.655	25	
1,3,5-Trichlorobenzene	9.04	1.0	µg/L	10.0		90.4	70-130	0.555	25	
1,1,1-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130	0.173	25	
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130	1.43	25	
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	1.86	25	
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106	70-130	8.49	25	
1,2,3-Trichloropropane	11.5	2.0	µg/L	10.0		115	70-130	2.58	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.3	1.0	µg/L	10.0		133	* 70-130	2.09	25	L-02, V-20
1,2,4-Trimethylbenzene	9.57	1.0	µg/L	10.0		95.7	70-130	1.66	25	
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	3.07	25	
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160	0.845	25	†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130	1.89	25	
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130	2.21	25	
Surrogate: 1,2-Dichloroethane-d4	23.2		µg/L	25.0		92.6	70-130			
Surrogate: Toluene-d8	23.9		µg/L	25.0		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		100	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B301431 - SW-846 5030B										
Blank (B301431-BLK1)				Prepared: 02/17/22 Analyzed: 02/18/22						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-05
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							V-05
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B301431 - SW-846 5030B
Blank (B301431-BLK1)

Prepared: 02/17/22 Analyzed: 02/18/22

Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.4		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		µg/L	25.0		101	70-130			

LCS (B301431-BS1)

Prepared: 02/17/22 Analyzed: 02/18/22

Acetone	113	50	µg/L	100		113	70-160			†
Acrylonitrile	11.4	5.0	µg/L	10.0		114	70-130			
tert-Amyl Methyl Ether (TAME)	9.32	0.50	µg/L	10.0		93.2	70-130			
Benzene	8.99	1.0	µg/L	10.0		89.9	70-130			
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Bromochloromethane	9.48	1.0	µg/L	10.0		94.8	70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130			
Bromoform	11.8	1.0	µg/L	10.0		118	70-130			
Bromomethane	10.5	2.0	µg/L	10.0		105	40-160		V-05	†
2-Butanone (MEK)	95.6	20	µg/L	100		95.6	40-160			†
tert-Butyl Alcohol (TBA)	141	20	µg/L	100		141	40-160		V-20	†
n-Butylbenzene	9.46	1.0	µg/L	10.0		94.6	70-130			
sec-Butylbenzene	9.72	1.0	µg/L	10.0		97.2	70-130			
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
tert-Butyl Ethyl Ether (TBEE)	9.27	0.50	µg/L	10.0		92.7	70-130			
Carbon Disulfide	105	5.0	µg/L	100		105	70-130			V-20
Carbon Tetrachloride	9.73	5.0	µg/L	10.0		97.3	70-130			
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130			
Chloroform	9.80	2.0	µg/L	10.0		98.0	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B301431 - SW-846 5030B										
LCS (B301431-BS1)										
Prepared: 02/17/22 Analyzed: 02/18/22										
Chloromethane	10.9	2.0	µg/L	10.0		109	40-160			†
2-Chlorotoluene	9.86	1.0	µg/L	10.0		98.6	70-130			
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130			
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
trans-1,4-Dichloro-2-butene	7.80	2.0	µg/L	10.0		78.0	70-130			V-05
Dichlorodifluoromethane (Freon 12)	8.99	2.0	µg/L	10.0		89.9	40-160			†
1,1-Dichloroethane	9.42	1.0	µg/L	10.0		94.2	70-130			
1,2-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
1,1-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
cis-1,2-Dichloroethylene	9.56	1.0	µg/L	10.0		95.6	70-130			
trans-1,2-Dichloroethylene	9.13	1.0	µg/L	10.0		91.3	70-130			
1,2-Dichloropropane	9.73	1.0	µg/L	10.0		97.3	70-130			
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130			
2,2-Dichloropropane	6.82	1.0	µg/L	10.0		68.2	40-130			V-05 †
1,1-Dichloropropene	9.33	2.0	µg/L	10.0		93.3	70-130			
cis-1,3-Dichloropropene	8.89	0.50	µg/L	10.0		88.9	70-130			
trans-1,3-Dichloropropene	8.76	0.50	µg/L	10.0		87.6	70-130			
Diethyl Ether	11.1	2.0	µg/L	10.0		111	70-130			
Diisopropyl Ether (DIPE)	9.36	0.50	µg/L	10.0		93.6	70-130			
1,4-Dioxane	90.3	50	µg/L	100		90.3	40-130			†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Hexachlorobutadiene	9.65	0.60	µg/L	10.0		96.5	70-130			
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160			†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130			
p-Isopropyltoluene (p-Cymene)	9.96	1.0	µg/L	10.0		99.6	70-130			
Methyl Acetate	11.9	1.0	µg/L	10.0		119	70-130			V-20
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130			
Methyl Cyclohexane	8.73	1.0	µg/L	10.0		87.3	70-130			
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130			
4-Methyl-2-pentanone (MIBK)	103	10	µg/L	100		103	70-160			†
Naphthalene	11.9	2.0	µg/L	10.0		119	40-130			†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
Styrene	11.2	1.0	µg/L	10.0		112	70-130			
1,1,1,2-Tetrachloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107	70-130			
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Tetrahydrofuran	9.62	10	µg/L	10.0		96.2	70-130			
Toluene	9.87	1.0	µg/L	10.0		98.7	70-130			
1,2,3-Trichlorobenzene	11.2	5.0	µg/L	10.0		112	70-130			
1,2,4-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,3,5-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106	70-130			
1,2,3-Trichloropropane	11.2	2.0	µg/L	10.0		112	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B301431 - SW-846 5030B
LCS (B301431-BS1)

Prepared: 02/17/22 Analyzed: 02/18/22

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102	70-130			
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
Vinyl Chloride	9.79	2.0	µg/L	10.0		97.9	40-160			†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130			
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.9		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			

LCS Dup (B301431-BS1)

Prepared: 02/17/22 Analyzed: 02/18/22

Acetone	118	50	µg/L	100		118	70-160	4.45	25	†
Acrylonitrile	10.9	5.0	µg/L	10.0		109	70-130	4.13	25	
tert-Amyl Methyl Ether (TAME)	9.40	0.50	µg/L	10.0		94.0	70-130	0.855	25	
Benzene	9.03	1.0	µg/L	10.0		90.3	70-130	0.444	25	
Bromobenzene	10.7	1.0	µg/L	10.0		107	70-130	0.470	25	
Bromochloromethane	9.72	1.0	µg/L	10.0		97.2	70-130	2.50	25	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130	4.01	25	
Bromoform	12.1	1.0	µg/L	10.0		121	70-130	2.26	25	
Bromomethane	12.6	2.0	µg/L	10.0		126	40-160	18.0	25	V-05 †
2-Butanone (MEK)	92.1	20	µg/L	100		92.1	40-160	3.79	25	†
tert-Butyl Alcohol (TBA)	135	20	µg/L	100		135	40-160	4.44	25	V-20 †
n-Butylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130	0.318	25	
sec-Butylbenzene	9.80	1.0	µg/L	10.0		98.0	70-130	0.820	25	
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	0.0980	25	
tert-Butyl Ethyl Ether (TBEE)	9.30	0.50	µg/L	10.0		93.0	70-130	0.323	25	
Carbon Disulfide	106	5.0	µg/L	100		106	70-130	1.17	25	V-20
Carbon Tetrachloride	9.89	5.0	µg/L	10.0		98.9	70-130	1.63	25	
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.667	25	
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130	1.60	25	
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130	0.00	25	
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	3.02	25	
Chloromethane	11.1	2.0	µg/L	10.0		111	40-160	1.91	25	†
2-Chlorotoluene	10.1	1.0	µg/L	10.0		101	70-130	2.50	25	
4-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130	1.25	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.0	5.0	µg/L	10.0		100	70-130	1.19	25	
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130	0.0942	25	
Dibromomethane	10.4	1.0	µg/L	10.0		104	70-130	0.387	25	
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.62	25	
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.669	25	
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	2.70	25	
trans-1,4-Dichloro-2-butene	7.84	2.0	µg/L	10.0		78.4	70-130	0.512	25	V-05
Dichlorodifluoromethane (Freon 12)	9.20	2.0	µg/L	10.0		92.0	40-160	2.31	25	†
1,1-Dichloroethane	9.51	1.0	µg/L	10.0		95.1	70-130	0.951	25	
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	1.47	25	
1,1-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	1.00	25	
cis-1,2-Dichloroethylene	9.67	1.0	µg/L	10.0		96.7	70-130	1.14	25	
trans-1,2-Dichloroethylene	9.24	1.0	µg/L	10.0		92.4	70-130	1.20	25	
1,2-Dichloropropane	9.71	1.0	µg/L	10.0		97.1	70-130	0.206	25	
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130	1.46	25	
2,2-Dichloropropane	6.83	1.0	µg/L	10.0		68.3	40-130	0.147	25	V-05 †
1,1-Dichloropropene	9.48	2.0	µg/L	10.0		94.8	70-130	1.59	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B301431 - SW-846 5030B										
LCS Dup (B301431-BSD1)										
Prepared: 02/17/22 Analyzed: 02/18/22										
cis-1,3-Dichloropropene	8.76	0.50	µg/L	10.0		87.6	70-130	1.47	25	
trans-1,3-Dichloropropene	8.82	0.50	µg/L	10.0		88.2	70-130	0.683	25	
Diethyl Ether	10.7	2.0	µg/L	10.0		107	70-130	3.30	25	
Diisopropyl Ether (DIPE)	9.22	0.50	µg/L	10.0		92.2	70-130	1.51	25	
1,4-Dioxane	99.2	50	µg/L	100		99.2	40-130	9.41	50	† ‡
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	3.23	25	
Hexachlorobutadiene	9.86	0.60	µg/L	10.0		98.6	70-130	2.15	25	
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160	0.299	25	†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130	3.63	25	
p-Isopropyltoluene (p-Cymene)	9.79	1.0	µg/L	10.0		97.9	70-130	1.72	25	
Methyl Acetate	12.7	1.0	µg/L	10.0		127	70-130	6.34	25	V-20
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.0		100	70-130	0.398	25	
Methyl Cyclohexane	9.11	1.0	µg/L	10.0		91.1	70-130	4.26	25	
Methylene Chloride	10.6	5.0	µg/L	10.0		106	70-130	0.936	25	
4-Methyl-2-pentanone (MIBK)	102	10	µg/L	100		102	70-160	0.937	25	†
Naphthalene	11.4	2.0	µg/L	10.0		114	40-130	4.63	25	†
n-Propylbenzene	10.4	1.0	µg/L	10.0		104	70-130	2.84	25	
Styrene	11.2	1.0	µg/L	10.0		112	70-130	0.0895	25	
1,1,1,2-Tetrachloroethane	10.4	1.0	µg/L	10.0		104	70-130	1.74	25	
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130	4.90	25	
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.774	25	
Tetrahydrofuran	9.24	10	µg/L	10.0		92.4	70-130	4.03	25	
Toluene	9.90	1.0	µg/L	10.0		99.0	70-130	0.303	25	
1,2,3-Trichlorobenzene	10.9	5.0	µg/L	10.0		109	70-130	2.99	25	
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.68	25	
1,3,5-Trichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.88	25	
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	2.80	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.00	25	
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	6.64	25	
Trichlorofluoromethane (Freon 11)	10.9	2.0	µg/L	10.0		109	70-130	2.70	25	
1,2,3-Trichloropropane	11.1	2.0	µg/L	10.0		111	70-130	0.810	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	1.0	µg/L	10.0		104	70-130	2.04	25	
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	0.488	25	
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	1.02	25	
Vinyl Chloride	9.59	2.0	µg/L	10.0		95.9	40-160	2.06	25	†
m+p Xylene	21.1	2.0	µg/L	20.0		105	70-130	1.48	25	
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	1.61	25	
Surrogate: 1,2-Dichloroethane-d4	25.6		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.9	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		103	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302117 - EPA 200.7										
Blank (B302117-BLK1)				Prepared: 02/28/22 Analyzed: 03/01/22						
Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B302117-BS1)				Prepared: 02/28/22 Analyzed: 03/01/22						
Aluminum	0.507	0.050	mg/L	0.500		101	85-115			
Iron	3.89	0.050	mg/L	4.00		97.2	85-115			
Zinc	0.971	0.010	mg/L	1.00		97.1	85-115			
LCS Dup (B302117-BSD1)				Prepared: 02/28/22 Analyzed: 03/01/22						
Aluminum	0.513	0.050	mg/L	0.500		103	85-115	1.00	20	
Iron	3.83	0.050	mg/L	4.00		95.9	85-115	1.36	20	
Zinc	0.951	0.010	mg/L	1.00		95.1	85-115	2.07	20	
Duplicate (B302117-DUP1)				Source: 22B0968-01			Prepared: 02/28/22 Analyzed: 03/01/22			
Aluminum	ND	0.050	mg/L		ND			NC	20	
Iron	2.73	0.050	mg/L		2.73			0.0991	20	
Zinc	0.255	0.010	mg/L		0.255			0.243	20	
Matrix Spike (B302117-MS1)				Source: 22B0968-01			Prepared: 02/28/22 Analyzed: 03/01/22			
Aluminum	0.486	0.050	mg/L	0.500	ND	97.2	70-130			
Iron	6.50	0.050	mg/L	4.00	2.73	94.1	70-130			
Zinc	1.22	0.010	mg/L	1.00	0.255	96.1	70-130			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B302071 - EPA 1664B										
Blank (B302071-BLK1)				Prepared & Analyzed: 02/28/22						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B302071-BLK2)				Prepared & Analyzed: 02/28/22						
Oil & Grease (HEM)	ND	56	mg/L							
LCS (B302071-BS1)				Prepared & Analyzed: 02/28/22						
Oil & Grease (HEM)	22	1.4	mg/L	20.0		108	78-114			
LCS (B302071-BS2)				Prepared & Analyzed: 02/28/22						
Oil & Grease (HEM)	770	56	mg/L	800		96.0	78-114			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

[illegible]

Data Deliverable Information
Commercial 'A' (Level 1) = Results Only
Commercial 'B' (Level 2) = Results + QC Summary
FULLT1 (Level 3 & 4)
NJ Reduced = Results + QC Summary + Partial Raw Data
Commercial 'C'
<i>NJ Data of Known Quality Protocol Reporting</i>
NYASP Category A
NYASP Category B
State Forms
EDD Format
Other

Laboratory Information
Lab: Contest-Pace Analytical
Address: 39 Spruce St. East Longmeadow
Phone: 413-525-2332
Lab PM: Kaitlyn Feliciano
Lab PM Email: kaitlyn.feliciano@pacelabs.com

EQEDD Name: **NYSDEC/Frewsburg/NY/FalconerSt/300**

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
	1 2/16 1530	1 2/16 936	
Relinquished By:	Date / Time:	Received By:	
2	2	2	
Relinquished By:	Date / Time:	Received By:	
3	3	3	
Custody Seal Number:	☐ Intact ☐ Preserved where applicable ☐ Not Intact ☐ On Ice ☐ Cooler Temp		



FedEx Tracking



791229679020

ADD NICKNAME



ON TIME

Delivered
Wednesday, February 16, 2022 at 9:30 am



DELIVERED

Signed for by: R.RIOS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

WILLIAMSVILLE, NY US

TO

East Longmeadow, MA US

MANAGE DELIVERY



Travel History

TIME ZONE

Local Scan Time



Wednesday, February 16,
2022

9:30 AM	East Longmeadow, MA	Delivered
7:44 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:34 AM	WINDSOR LOCKS, CT	At local FedEx facility
5:44 AM	EAST GRANBY, CT	At destination sort facility
3:10 AM	NEWARK, NJ	Departed FedEx hub
12:16 AM	NEWARK, NJ	Shipment arriving On-Time
12:05 AM	NEWARK, NJ	Arrived at FedEx hub

Tuesday, February 15,
2022

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples _____



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False
Statement will be brought to the attention of the Client - State True or False**

Client NY-GES

Received By QR Date 2-16-20 Time 930

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp -3.8
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client T Analysis T Sampler Name F

pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? F

Proper Media/Containers Used? T

Were trip blanks received? T

Do all samples have the proper pH? Acid T Base _____

MS/MSD? F

Is splitting samples required? F

On COC? T

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>2</u>	1 Liter Plastic		16 oz Amb.	
HCL-	<u>1</u>	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	<u>1</u>	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

March 22, 2022

Thomas Palmer
NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564

Project Location: 300 Falconer St, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22C0703

Enclosed are results of analyses for samples as received by the laboratory on March 10, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mike Buttrick
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564
ATTN: Thomas Palmer

REPORT DATE: 3/22/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22C0703

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22C0703-01	Water		EPA 1664B EPA 200.7 SW-846 8260D	
Ftreatment Influent	22C0703-02	Water		SW-846 8260D	
Trip Blank	22C0703-03	Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Methyl Acetate

B303005-BS1, B303005-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromoform

B303005-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22C0703-02[Ftreatment Influent]

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromoform

B303005-BS1, B303005-BSD1, S069149-CCV1

Methyl Acetate

B303005-BS1, B303005-BSD1, S069149-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Treatment Effluent

Sampled: 3/8/2022 10:00

Sample ID: 22C0703-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	5.1	50	2.0	µg/L	1	J	SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
cis-1,2-Dichloroethylene	30	1.0	0.15	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Treatment Effluent

Sampled: 3/8/2022 10:00

Sample ID: 22C0703-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Trichloroethylene	18	1.0	0.19	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Vinyl Chloride	0.21	2.0	0.21	µg/L	1	J	SW-846 8260D	3/11/22	3/11/22 20:58	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	3/11/22	3/11/22 20:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	97.6	70-130	
Toluene-d8	99.5	70-130	
4-Bromofluorobenzene	99.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Treatment Effluent

Sampled: 3/8/2022 10:00

Sample ID: 22C0703-01

Sample Matrix: Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	3/11/22	3/11/22 20:58	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Treatment Effluent

Sampled: 3/8/2022 10:00

Sample ID: 22C0703-01

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		EPA 200.7	3/18/22	3/21/22 5:24	MJH
Iron	1.9	0.050	0.019	mg/L	1		EPA 200.7	3/18/22	3/21/22 5:24	MJH
Zinc	0.021	0.010	0.0042	mg/L	1		EPA 200.7	3/18/22	3/21/22 5:24	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Treatment Effluent

Sampled: 3/8/2022 10:00

Sample ID: 22C0703-01

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.6	0.45	mg/L	1		EPA 1664B	3/21/22	3/21/22 13:45	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Ftreatment Influent

Sampled: 3/8/2022 10:10

Sample ID: 22C0703-02

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2500	100	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Benzene	ND	50	10	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Bromochloromethane	ND	50	15	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Bromodichloromethane	ND	25	9.0	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Bromoform	ND	50	19	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Bromomethane	ND	100	77	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
2-Butanone (MEK)	170	1000	81	µg/L	50	J	SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Carbon Disulfide	ND	250	72	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Chlorobenzene	ND	50	5.3	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Chlorodibromomethane	ND	25	11	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Chloroethane	ND	100	16	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Chloroform	ND	100	8.4	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Chloromethane	ND	100	26	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	40	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,2-Dibromoethane (EDB)	ND	25	8.5	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,2-Dichlorobenzene	ND	50	6.1	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,3-Dichlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,4-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	9.6	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,1-Dichloroethane	ND	50	7.1	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,1-Dichloroethylene	ND	50	7.1	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
cis-1,2-Dichloroethylene	2800	50	7.3	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
trans-1,2-Dichloroethylene	14	50	8.4	µg/L	50	J	SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,2-Dichloropropane	ND	50	9.1	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
cis-1,3-Dichloropropene	ND	25	7.9	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
trans-1,3-Dichloropropene	ND	25	8.4	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,4-Dioxane	ND	2500	1000	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
2-Hexanone (MBK)	ND	500	56	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Isopropylbenzene (Cumene)	ND	50	5.4	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Methyl Acetate	ND	50	23	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	8.6	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Methyl Cyclohexane	ND	50	12	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Methylene Chloride	ND	250	12	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	64	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Styrene	ND	50	5.3	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,1,2,2-Tetrachloroethane	ND	25	6.3	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Tetrachloroethylene	ND	50	9.4	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Toluene	ND	50	11	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,2,3-Trichlorobenzene	ND	250	15	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,2,4-Trichlorobenzene	ND	50	12	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Ftreatment Influent

Sampled: 3/8/2022 10:10

Sample ID: 22C0703-02

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	8.4	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,1,2-Trichloroethane	ND	50	9.1	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Trichloroethylene	3100	50	9.5	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Trichlorofluoromethane (Freon 11)	ND	100	8.8	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	11	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Vinyl Chloride	130	100	10	µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH
Xylenes (total)	0.0			µg/L	50		SW-846 8260D	3/11/22	3/11/22 21:53	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.4	70-130	
Toluene-d8	98.5	70-130	
4-Bromofluorobenzene	99.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Ftreatment Influent

Sampled: 3/8/2022 10:10

Sample ID: 22C0703-02

Sample Matrix: Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			50			SW-846 8260D	3/11/22	3/11/22 21:53	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Trip Blank

Sampled: 3/8/2022 00:00

Sample ID: 22C0703-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Trip Blank

Sampled: 3/8/2022 00:00

Sample ID: 22C0703-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH
Xylenes (total)	0.0			µg/L	1		SW-846 8260D	3/11/22	3/11/22 14:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.2	70-130	
Toluene-d8	99.6	70-130	
4-Bromofluorobenzene	100	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22C0703

Date Received: 3/10/2022

Field Sample #: Trip Blank

Sampled: 3/8/2022 00:00

Sample ID: 22C0703-03

Sample Matrix: Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	3/11/22	3/11/22 14:33	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
22C0703-01 [Treatment Effluent]	B303642	900	03/21/22

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C0703-01 [Treatment Effluent]	B303556	50.0	50.0	03/18/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C0703-01 [Treatment Effluent]	B303005	5	5.00	03/11/22
22C0703-02 [Treatment Influent]	B303005	0.1	5.00	03/11/22
22C0703-03 [Trip Blank]	B303005	5	5.00	03/11/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B303005 - SW-846 5030B										
Blank (B303005-BLK1)				Prepared & Analyzed: 03/11/22						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
Xylenes (total)	0.0		µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B303005 - SW-846 5030B										
Blank (B303005-BLK1)				Prepared & Analyzed: 03/11/22						
Surrogate: 1,2-Dichloroethane-d4	24.0		µg/L	25.0		95.9	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.0		99.0	70-130			
LCS (B303005-BS1)				Prepared & Analyzed: 03/11/22						
Acetone	118	50	µg/L	100		118	70-160			†
Benzene	10.2	1.0	µg/L	10.0		102	70-130			
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130			
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130			
Bromoform	13.0	1.0	µg/L	10.0		130	70-130			V-20
Bromomethane	12.8	2.0	µg/L	10.0		128	40-160			†
2-Butanone (MEK)	126	20	µg/L	100		126	40-160			†
Carbon Disulfide	118	5.0	µg/L	100		118	70-130			
Carbon Tetrachloride	11.0	5.0	µg/L	10.0		110	70-130			
Chlorobenzene	11.1	1.0	µg/L	10.0		111	70-130			
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130			
Chloroethane	10.4	2.0	µg/L	10.0		104	70-130			
Chloroform	10.5	2.0	µg/L	10.0		105	70-130			
Chloromethane	10.2	2.0	µg/L	10.0		102	40-160			†
Cyclohexane	10.7	5.0	µg/L	10.0		107	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.2	5.0	µg/L	10.0		112	70-130			
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130			
1,2-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,3-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,4-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160			†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloroethane	9.62	1.0	µg/L	10.0		96.2	70-130			
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
1,2-Dichloropropane	10.7	1.0	µg/L	10.0		107	70-130			
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130			
trans-1,3-Dichloropropene	10.0	0.50	µg/L	10.0		100	70-130			
1,4-Dioxane	122	50	µg/L	100		122	40-130			†
Ethylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
2-Hexanone (MBK)	130	10	µg/L	100		130	70-160			†
Isopropylbenzene (Cumene)	11.2	1.0	µg/L	10.0		112	70-130			
Methyl Acetate	13.5	1.0	µg/L	10.0		135	* 70-130			L-02, V-20
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130			
Methyl Cyclohexane	10.6	1.0	µg/L	10.0		106	70-130			
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	127	10	µg/L	100		127	70-160			†
Styrene	11.5	1.0	µg/L	10.0		115	70-130			
1,1,1,2,2-Tetrachloroethane	12.1	0.50	µg/L	10.0		121	70-130			
Tetrachloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	12.2	5.0	µg/L	10.0		122	70-130			
1,2,4-Trichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130			
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130			
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130			
Trichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B303005 - SW-846 5030B										
LCS (B303005-BS1)										
Prepared & Analyzed: 03/11/22										
Trichlorofluoromethane (Freon 11)	10.5	2.0	µg/L	10.0		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0		108	70-130			
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160			†
Xylenes (total)	32.8		µg/L	30.0		109	0-200			
Surrogate: 1,2-Dichloroethane-d4	24.0		µg/L	25.0		96.1	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		101	70-130			
LCS Dup (B303005-BSD1)										
Prepared & Analyzed: 03/11/22										
Acetone	114	50	µg/L	100		114	70-160	3.91	25	†
Benzene	10.4	1.0	µg/L	10.0		104	70-130	1.75	25	
Bromochloromethane	11.6	1.0	µg/L	10.0		116	70-130	3.25	25	
Bromodichloromethane	11.2	0.50	µg/L	10.0		112	70-130	2.72	25	
Bromoform	13.6	1.0	µg/L	10.0		136	* 70-130	3.91	25	L-07, V-20
Bromomethane	12.8	2.0	µg/L	10.0		128	40-160	0.0783	25	†
2-Butanone (MEK)	120	20	µg/L	100		120	40-160	4.96	25	†
Carbon Disulfide	118	5.0	µg/L	100		118	70-130	0.101	25	
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109	70-130	0.274	25	
Chlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	0.449	25	
Chlorodibromomethane	11.4	0.50	µg/L	10.0		114	70-130	4.41	25	
Chloroethane	10.2	2.0	µg/L	10.0		102	70-130	1.45	25	
Chloroform	10.5	2.0	µg/L	10.0		105	70-130	0.191	25	
Chloromethane	12.0	2.0	µg/L	10.0		120	40-160	16.2	25	†
Cyclohexane	10.6	5.0	µg/L	10.0		106	70-130	0.842	25	
1,2-Dibromo-3-chloropropane (DBCP)	11.3	5.0	µg/L	10.0		113	70-130	0.0889	25	
1,2-Dibromoethane (EDB)	11.5	0.50	µg/L	10.0		115	70-130	1.58	25	
1,2-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	0.0932	25	
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	1.03	25	
1,4-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	0.560	25	
Dichlorodifluoromethane (Freon 12)	10.3	2.0	µg/L	10.0		103	40-160	1.27	25	†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130	1.31	25	
1,2-Dichloroethane	9.98	1.0	µg/L	10.0		99.8	70-130	3.67	25	
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	0.467	25	
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.0942	25	
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	0.762	25	
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	0.742	25	
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130	0.299	25	
trans-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	2.08	25	
1,4-Dioxane	115	50	µg/L	100		115	40-130	5.21	50	† ‡
Ethylbenzene	11.2	1.0	µg/L	10.0		112	70-130	0.268	25	
2-Hexanone (MBK)	125	10	µg/L	100		125	70-160	3.91	25	†
Isopropylbenzene (Cumene)	11.1	1.0	µg/L	10.0		111	70-130	0.990	25	
Methyl Acetate	13.2	1.0	µg/L	10.0		132	* 70-130	1.57	25	L-02, V-20
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130	0.281	25	
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130	1.62	25	
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130	0.583	25	
4-Methyl-2-pentanone (MIBK)	125	10	µg/L	100		125	70-160	1.62	25	†
Styrene	11.6	1.0	µg/L	10.0		116	70-130	0.865	25	
1,1,2,2-Tetrachloroethane	12.2	0.50	µg/L	10.0		122	70-130	0.493	25	
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112	70-130	0.719	25	
Toluene	10.7	1.0	µg/L	10.0		107	70-130	0.937	25	
1,2,3-Trichlorobenzene	11.7	5.0	µg/L	10.0		117	70-130	4.43	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B303005 - SW-846 5030B										
LCS Dup (B303005-BSD1)				Prepared & Analyzed: 03/11/22						
1,2,4-Trichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	1.46	25	
1,1,1-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130	0.904	25	
1,1,2-Trichloroethane	11.4	1.0	µg/L	10.0		114	70-130	1.87	25	
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	0.449	25	
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106	70-130	0.569	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0		107	70-130	1.11	25	
Vinyl Chloride	11.3	2.0	µg/L	10.0		113	40-160	0.354	25	†
Xylenes (total)	33.3		µg/L	30.0		111	0-200	1.54		
Surrogate: 1,2-Dichloroethane-d4	24.4		µg/L	25.0		97.5	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		101	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**QUALITY CONTROL****Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B303005 - SW-846 5030B**Blank (B303005-BLK1)**

Prepared & Analyzed: 03/11/22

No TICs Found	0.0	µg/L
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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B303556 - EPA 200.7
Blank (B303556-BLK1)

Prepared: 03/18/22 Analyzed: 03/21/22

Aluminum	ND	0.050	mg/L							
Iron	0.019	0.050	mg/L							J
Zinc	ND	0.010	mg/L							

LCS (B303556-BS1)

Prepared: 03/18/22 Analyzed: 03/21/22

Aluminum	0.488	0.050	mg/L	0.500		97.6	85-115			
Iron	4.19	0.050	mg/L	4.00		105	85-115			
Zinc	0.991	0.010	mg/L	1.00		99.1	85-115			

LCS Dup (B303556-BSD1)

Prepared: 03/18/22 Analyzed: 03/21/22

Aluminum	0.509	0.050	mg/L	0.500		102	85-115	4.20	20	
Iron	4.18	0.050	mg/L	4.00		104	85-115	0.425	20	
Zinc	0.974	0.010	mg/L	1.00		97.4	85-115	1.67	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B303642 - EPA 1664B										
Blank (B303642-BLK1)				Prepared & Analyzed: 03/21/22						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B303642-BLK2)				Prepared & Analyzed: 03/21/22						
Oil & Grease (HEM)	ND	28	mg/L							
LCS (B303642-BS1)				Prepared & Analyzed: 03/21/22						
Oil & Grease (HEM)	20	1.4	mg/L	20.0		102	78-114			
LCS (B303642-BS2)				Prepared & Analyzed: 03/21/22						
Oil & Grease (HEM)	360	28	mg/L	400		91.0	78-114			
Matrix Spike (B303642-MS1)		Source: 22C0703-01		Prepared & Analyzed: 03/21/22						
Oil & Grease (HEM)	190	14	mg/L	200	ND	95.5	78-114			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY

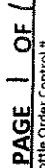
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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022



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Data Deliverable Information
Commercial 'A' (Level 1) = Results Only
Commercial 'B' (Level 2) = Results + QC Summary
FULLT1 (Level 3 & 4)
NJ Reduced = Results + QC Summary + Partial Raw Data
Commercial 'C'
<i>NJ Data of Known Quality Protocol Reporting</i>
NYASP Category A
NYASP Category B
State Forms
EDD Format
Other

Please Email the EQ EDD Package to ges@equisonline.com
Lab PM Email: kaitlyn.felice@nysed.gov
EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300_LabReport# 27908-EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.	
Relinquished By Sampler: 1 <u>RL</u>	Date / Time: 1 <u>3/8/22 1330</u>
Relinquished By:	Date / Time:
2	2
Relinquished By:	Date / Time:
3	3
Custody Seal Number:	☐ Intact ☐ Not Intact
	☐ Preserved where applicable ☐ On Ice ☐ Cooler Temp
Received By: 1 <u>RL</u>	3-10 1330
Received By:	
2	
Received By:	
3	



FedEx® Tracking

776162045949

ADD NICKNAME



Delivered
Thursday, March 10, 2022 at 1:37 pm

**DELIVERED**

Signed for by: APEIRSHEWSKI

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

WILLIAMSVILLE, NY US

TO

East Longmeadow, MA US

Travel History

TIME ZONE

Local Scan Time

Thursday, March 10, 2022

1:37 PM	East Longmeadow, MA	Delivered
7:34 AM	WINDSOR, CT	On FedEx vehicle for delivery
6:57 AM	WINDSOR, CT	At local FedEx facility
4:38 AM	WILLINGTON, CT	Departed FedEx location
12:18 AM	WILLINGTON, CT	Shipment arriving On-Time
12:06 AM	WILLINGTON, CT	Arrived at FedEx location

Wednesday, March 9, 2022

7:45 PM	SOUTHEAST, TOWN OF, NY	In transit
7:40 AM	GROVE CITY, OH	Departed FedEx location
3:20 AM	GROVE CITY, OH	Arrived at FedEx location

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples _____



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False
Statement will be brought to the attention of the Client - State True or False**

Client NY-GES

Received By UR Date 3-10-22 Time 1337

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within By Gun # 3 Actual Temp - 41.1

Temperature? 2-6°C T By Blank # _____ Actual Temp - _____

Was Custody Seal intact? NA Were Samples Tampered with? NA

Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client T Analysis T Sampler Name F

pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? UR NA F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? _____ Acid T Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>2</u>	1 Liter Plastic		16 oz Amb.	
HCL-	<u>1</u>	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	<u>1</u>	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

January 6, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer St, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22D1179

Enclosed are results of analyses for samples as received by the laboratory on April 16, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 1/6/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22D1179

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22D1179-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Ftreatment Influent	22D1179-02	Ground Water		SW-846 8260D	
Trip Blank	22D1179-03	Ground Water		SW-846 8260D	
Puddle	22D1179-04	Ground Water		EPA 300.0	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED 12/30/22: Report revised to include RL/MDL for Total Xylene results.

SW-846 8260D

Qualifications:

DL-01

Elevated reporting limits for all volatile compounds due to foaming sample matrix.

Analyte & Samples(s) Qualified:

22D1179-01[Treatment Effluent]

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**Methyl Acetate**

B306122-BS1, B306122-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22D1179-02[Ftreatment Influent]

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Bromochloromethane**

B306122-BS1, B306122-BSD1, S070573-CCV1

Methyl Acetate

B306122-BS1, B306122-BSD1, S070573-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22D1179

Date Received: 4/16/2022

Field Sample #: Treatment Effluent

Sampled: 4/15/2022 11:15

Sample ID: 22D1179-01

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	37	250	10	µg/L	5	J	SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Benzene	ND	5.0	1.0	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Bromochloromethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Bromodichloromethane	ND	2.5	0.90	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Bromoform	ND	5.0	1.9	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Bromomethane	ND	10	7.7	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
2-Butanone (MEK)	62	100	8.1	µg/L	5	J	SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Carbon Disulfide	ND	25	7.2	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Carbon Tetrachloride	ND	25	0.82	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Chlorobenzene	ND	5.0	0.53	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Chlorodibromomethane	ND	2.5	1.1	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Chloroethane	ND	10	1.6	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Chloroform	ND	10	0.84	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Chloromethane	ND	10	2.6	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Cyclohexane	ND	25	8.8	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	4.0	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,2-Dibromoethane (EDB)	ND	2.5	0.85	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,2-Dichlorobenzene	ND	5.0	0.61	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,3-Dichlorobenzene	ND	5.0	0.59	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,4-Dichlorobenzene	ND	5.0	0.65	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	0.96	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,1-Dichloroethane	ND	5.0	0.71	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,2-Dichloroethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,1-Dichloroethylene	ND	5.0	0.71	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
cis-1,2-Dichloroethylene	3.8	5.0	0.73	µg/L	5	J	SW-846 8260D	4/19/22	4/20/22 5:46	EEH
trans-1,2-Dichloroethylene	ND	5.0	0.84	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,2-Dichloropropane	ND	5.0	0.91	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
cis-1,3-Dichloropropene	ND	2.5	0.79	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
trans-1,3-Dichloropropene	ND	2.5	0.84	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,4-Dioxane	ND	250	100	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Ethylbenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
2-Hexanone (MBK)	ND	50	5.6	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Isopropylbenzene (Cumene)	ND	5.0	0.54	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Methyl Acetate	ND	5.0	2.3	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.86	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Methyl Cyclohexane	ND	5.0	1.2	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Methylene Chloride	1.5	25	1.2	µg/L	5	J	SW-846 8260D	4/19/22	4/20/22 5:46	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	6.4	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Styrene	ND	5.0	0.53	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	0.63	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Tetrachloroethylene	ND	5.0	0.94	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Toluene	ND	5.0	1.1	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,2,3-Trichlorobenzene	ND	25	1.5	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,2,4-Trichlorobenzene	ND	5.0	1.2	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22D1179

Date Received: 4/16/2022

Field Sample #: Treatment Effluent

Sampled: 4/15/2022 11:15

Sample ID: 22D1179-01

Sample Matrix: Ground Water

Sample Flags: DL-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	5.0	0.84	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,1,2-Trichloroethane	ND	5.0	0.91	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Trichloroethylene	ND	5.0	0.95	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Trichlorofluoromethane (Freon 11)	ND	10	0.88	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	1.1	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Vinyl Chloride	ND	10	1.0	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH
Xylenes (total)	ND	5.0	5.0	µg/L	5		SW-846 8260D	4/19/22	4/20/22 5:46	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	108	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	103	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22D1179

Date Received: 4/16/2022

Field Sample #: Treatment Effluent

Sampled: 4/15/2022 11:15

Sample ID: 22D1179-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.020	0.050	0.015	mg/L	1	J	EPA 200.7	4/18/22	4/19/22 20:23	MJH
Iron	4.7	0.050	0.019	mg/L	1		EPA 200.7	4/18/22	4/19/22 20:23	MJH
Zinc	0.010	0.010	0.0042	mg/L	1		EPA 200.7	4/18/22	4/19/22 20:23	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22D1179

Date Received: 4/16/2022

Field Sample #: Treatment Effluent

Sampled: 4/15/2022 11:15

Sample ID: 22D1179-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	0.41	mg/L	1		EPA 1664B	4/29/22	4/29/22 13:33	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22D1179

Date Received: 4/16/2022

Field Sample #: Ftreatment Influent

Sampled: 4/15/2022 11:30

Sample ID: 22D1179-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	170	2000	81	µg/L	40	J	SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Benzene	ND	40	8.0	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Bromochloromethane	ND	40	12	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Bromodichloromethane	ND	20	7.2	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Bromoform	ND	40	15	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Bromomethane	ND	80	62	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
2-Butanone (MEK)	310	800	65	µg/L	40	J	SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Carbon Disulfide	ND	200	58	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Carbon Tetrachloride	ND	200	6.6	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Chlorobenzene	ND	40	4.2	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Chlorodibromomethane	ND	20	8.9	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Chloroethane	ND	80	13	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Chloroform	ND	80	6.7	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Chloromethane	ND	80	21	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Cyclohexane	ND	200	70	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	32	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,2-Dibromoethane (EDB)	ND	20	6.8	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,2-Dichlorobenzene	ND	40	4.9	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,3-Dichlorobenzene	ND	40	4.7	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,4-Dichlorobenzene	ND	40	5.2	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Dichlorodifluoromethane (Freon 12)	ND	80	7.7	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,1-Dichloroethane	ND	40	5.7	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,2-Dichloroethane	ND	40	12	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,1-Dichloroethylene	6.0	40	5.7	µg/L	40	J	SW-846 8260D	4/19/22	4/20/22 6:14	EEH
cis-1,2-Dichloroethylene	3000	40	5.9	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
trans-1,2-Dichloroethylene	11	40	6.7	µg/L	40	J	SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,2-Dichloropropane	ND	40	7.2	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
cis-1,3-Dichloropropene	ND	20	6.3	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
trans-1,3-Dichloropropene	ND	20	6.7	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,4-Dioxane	ND	2000	820	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Ethylbenzene	ND	40	8.6	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
2-Hexanone (MBK)	ND	400	45	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Isopropylbenzene (Cumene)	ND	40	4.3	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Methyl Acetate	ND	40	18	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Methyl tert-Butyl Ether (MTBE)	ND	40	6.9	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Methyl Cyclohexane	ND	40	9.8	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Methylene Chloride	ND	200	9.4	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
4-Methyl-2-pentanone (MIBK)	ND	400	51	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Styrene	ND	40	4.2	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,1,2,2-Tetrachloroethane	ND	20	5.1	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Tetrachloroethylene	ND	40	7.5	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Toluene	ND	40	9.0	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,2,3-Trichlorobenzene	ND	200	12	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,2,4-Trichlorobenzene	ND	40	9.9	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22D1179

Date Received: 4/16/2022

Field Sample #: Ftreatment Influent

Sampled: 4/15/2022 11:30

Sample ID: 22D1179-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	40	6.8	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,1,2-Trichloroethane	ND	40	7.3	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Trichloroethylene	940	40	7.6	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Trichlorofluoromethane (Freon 11)	ND	80	7.0	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	9.1	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Vinyl Chloride	82	80	8.3	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH
Xylenes (total)	ND	40	40	µg/L	40		SW-846 8260D	4/19/22	4/20/22 6:14	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	99.2	70-130	
4-Bromofluorobenzene	98.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22D1179

Date Received: 4/16/2022

Field Sample #: Trip Blank

Sampled: 4/15/2022 00:00

Sample ID: 22D1179-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22D1179

Date Received: 4/16/2022

Field Sample #: Trip Blank

Sampled: 4/15/2022 00:00

Sample ID: 22D1179-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	4/19/22	4/20/22 1:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	99.9	70-130	
4-Bromofluorobenzene	98.1	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22D1179

Date Received: 4/16/2022

Field Sample #: Puddle

Sampled: 4/15/2022 11:00

Sample ID: 22D1179-04

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	98	5.0	2.8	mg/L	5		EPA 300.0	5/3/22	5/3/22 16:52	CB2

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date	
22D1179-01 [Treatment Effluent]	B307139	1000	04/29/22	

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D1179-01 [Treatment Effluent]	B306025	50.0	50.0	04/18/22

Prep Method: EPA 300.0 Analytical Method: EPA 300.0

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D1179-04 [Puddle]	B307427	10.0	10.0	05/03/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D1179-01 [Treatment Effluent]	B306122	1	5.00	04/19/22
22D1179-02 [Treatment Influent]	B306122	0.125	5.00	04/19/22
22D1179-03 [Trip Blank]	B306122	5	5.00	04/19/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B306122 - SW-846 5030B
Blank (B306122-BLK1)

Prepared: 04/19/22 Analyzed: 04/20/22

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B306122 - SW-846 5030B										
Blank (B306122-BLK1)										
Prepared: 04/19/22 Analyzed: 04/20/22										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	0.0		µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.0		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	24.3		µg/L	25.0		97.2	70-130			
LCS (B306122-BS1)										
Prepared & Analyzed: 04/19/22										
Acetone	123	50	µg/L	100		123	70-160			†
Benzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromochloromethane	12.5	1.0	µg/L	10.0		125	70-130			V-20
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130			
Bromoform	12.0	1.0	µg/L	10.0		120	70-130			
Bromomethane	11.8	2.0	µg/L	10.0		118	40-160			†
2-Butanone (MEK)	124	20	µg/L	100		124	40-160			†
Carbon Disulfide	121	5.0	µg/L	100		121	70-130			
Carbon Tetrachloride	11.2	5.0	µg/L	10.0		112	70-130			
Chlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
Chloroethane	11.9	2.0	µg/L	10.0		119	70-130			
Chloroform	11.1	2.0	µg/L	10.0		111	70-130			
Chloromethane	9.63	2.0	µg/L	10.0		96.3	40-160			†
Cyclohexane	10.2	5.0	µg/L	10.0		102	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.4	5.0	µg/L	10.0		114	70-130			
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114	70-130			
1,2-Dichlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
1,3-Dichlorobenzene	9.87	1.0	µg/L	10.0		98.7	70-130			
1,4-Dichlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130			
Dichlorodifluoromethane (Freon 12)	9.58	2.0	µg/L	10.0		95.8	40-160			†
1,1-Dichloroethane	11.2	1.0	µg/L	10.0		112	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130			
cis-1,2-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130			
cis-1,3-Dichloropropene	9.70	0.50	µg/L	10.0		97.0	70-130			
trans-1,3-Dichloropropene	9.71	0.50	µg/L	10.0		97.1	70-130			
1,4-Dioxane	99.4	50	µg/L	100		99.4	40-130			†
Ethylbenzene	9.91	1.0	µg/L	10.0		99.1	70-130			
2-Hexanone (MBK)	119	10	µg/L	100		119	70-160			†
Isopropylbenzene (Cumene)	9.87	1.0	µg/L	10.0		98.7	70-130			
Methyl Acetate	14.4	1.0	µg/L	10.0		144	* 70-130			L-02, V-20
Methyl tert-Butyl Ether (MTBE)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Cyclohexane	9.21	1.0	µg/L	10.0		92.1	70-130			
Methylene Chloride	11.5	5.0	µg/L	10.0		115	70-130			
4-Methyl-2-pentanone (MIBK)	119	10	µg/L	100		119	70-160			†
Styrene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.0		110	70-130			
Tetrachloroethylene	9.95	1.0	µg/L	10.0		99.5	70-130			
Toluene	10.2	1.0	µg/L	10.0		102	70-130			
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102	70-130			
1,2,4-Trichlorobenzene	9.28	1.0	µg/L	10.0		92.8	70-130			
1,1,1-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B306122 - SW-846 5030B										
LCS (B306122-BS1)										
Prepared & Analyzed: 04/19/22										
1,1,2-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130			
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
Trichlorofluoromethane (Freon 11)	10.9	2.0	µg/L	10.0		109	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.93	1.0	µg/L	10.0		99.3	70-130			
Vinyl Chloride	9.74	2.0	µg/L	10.0		97.4	40-160			†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130			
o-Xylene	10.0	1.0	µg/L	10.0		100	70-130			
Xylenes (total)	30.1		µg/L	30.0		100	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.1		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		99.8	70-130			
LCS Dup (B306122-BSD1)										
Prepared & Analyzed: 04/19/22										
Acetone	115	50	µg/L	100		115	70-160	6.53	25	†
Benzene	10.7	1.0	µg/L	10.0		107	70-130	0.652	25	
Bromochloromethane	12.7	1.0	µg/L	10.0		127	70-130	1.91	25	V-20
Bromodichloromethane	11.1	0.50	µg/L	10.0		111	70-130	2.94	25	
Bromoform	11.6	1.0	µg/L	10.0		116	70-130	2.80	25	
Bromomethane	12.1	2.0	µg/L	10.0		121	40-160	2.51	25	†
2-Butanone (MEK)	115	20	µg/L	100		115	40-160	7.74	25	†
Carbon Disulfide	122	5.0	µg/L	100		122	70-130	0.627	25	
Carbon Tetrachloride	11.3	5.0	µg/L	10.0		113	70-130	0.355	25	
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.894	25	
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130	0.650	25	
Chloroethane	11.6	2.0	µg/L	10.0		116	70-130	2.29	25	
Chloroform	11.1	2.0	µg/L	10.0		111	70-130	0.721	25	
Chloromethane	10.6	2.0	µg/L	10.0		106	40-160	10.1	25	†
Cyclohexane	10.3	5.0	µg/L	10.0		103	70-130	0.586	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.8	5.0	µg/L	10.0		108	70-130	5.40	25	
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112	70-130	1.51	25	
1,2-Dichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130	0.405	25	
1,3-Dichlorobenzene	9.93	1.0	µg/L	10.0		99.3	70-130	0.606	25	
1,4-Dichlorobenzene	9.58	1.0	µg/L	10.0		95.8	70-130	3.89	25	
Dichlorodifluoromethane (Freon 12)	10.0	2.0	µg/L	10.0		100	40-160	4.59	25	†
1,1-Dichloroethane	11.2	1.0	µg/L	10.0		112	70-130	0.714	25	
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130	0.397	25	
1,1-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130	1.39	25	
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	0.989	25	
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	0.00	25	
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130	2.24	25	
cis-1,3-Dichloropropene	9.42	0.50	µg/L	10.0		94.2	70-130	2.93	25	
trans-1,3-Dichloropropene	9.29	0.50	µg/L	10.0		92.9	70-130	4.42	25	
1,4-Dioxane	91.8	50	µg/L	100		91.8	40-130	7.90	50	† ‡
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.90	25	
2-Hexanone (MBK)	112	10	µg/L	100		112	70-160	5.63	25	†
Isopropylbenzene (Cumene)	9.96	1.0	µg/L	10.0		99.6	70-130	0.908	25	
Methyl Acetate	13.9	1.0	µg/L	10.0		139 *	70-130	3.46	25	L-02, V-20
Methyl tert-Butyl Ether (MTBE)	9.77	1.0	µg/L	10.0		97.7	70-130	4.11	25	
Methyl Cyclohexane	9.34	1.0	µg/L	10.0		93.4	70-130	1.40	25	
Methylene Chloride	11.3	5.0	µg/L	10.0		113	70-130	2.28	25	
4-Methyl-2-pentanone (MIBK)	114	10	µg/L	100		114	70-160	4.01	25	†
Styrene	10.2	1.0	µg/L	10.0		102	70-130	0.391	25	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B306122 - SW-846 5030B										
LCS Dup (B306122-BSD1)				Prepared & Analyzed: 04/19/22						
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109	70-130	0.915	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103	70-130	3.26	25	
Toluene	10.4	1.0	µg/L	10.0		104	70-130	1.75	25	
1,2,3-Trichlorobenzene	9.58	5.0	µg/L	10.0		95.8	70-130	6.46	25	
1,2,4-Trichlorobenzene	9.00	1.0	µg/L	10.0		90.0	70-130	3.06	25	
1,1,1-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130	2.88	25	
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130	3.00	25	
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	0.272	25	
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110	70-130	1.55	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1	1.0	µg/L	10.0		101	70-130	1.40	25	
Vinyl Chloride	10.4	2.0	µg/L	10.0		104	40-160	6.46	25	†
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130	0.0500	25	
o-Xylene	10.1	1.0	µg/L	10.0		101	70-130	0.298	25	
Xylenes (total)	30.1		µg/L	30.0		100	0-200	0.133		
Surrogate: 1,2-Dichloroethane-d4	26.7		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B306025 - EPA 200.7
Blank (B306025-BLK1)

Prepared: 04/18/22 Analyzed: 04/19/22

Aluminum	0.042	0.050	mg/L							J
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B306025-BS1)

Prepared: 04/18/22 Analyzed: 04/19/22

Aluminum	0.509	0.050	mg/L	0.500		102	85-115			
Iron	4.01	0.050	mg/L	4.00		100	85-115			
Zinc	0.992	0.010	mg/L	1.00		99.2	85-115			

LCS Dup (B306025-BSD1)

Prepared: 04/18/22 Analyzed: 04/19/22

Aluminum	0.500	0.050	mg/L	0.500		100	85-115	1.86	20	
Iron	3.99	0.050	mg/L	4.00		99.9	85-115	0.351	20	
Zinc	0.995	0.010	mg/L	1.00		99.5	85-115	0.256	20	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B307139 - EPA 1664B										
Blank (B307139-BLK1)				Prepared & Analyzed: 04/29/22						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B307139-BLK2)				Prepared & Analyzed: 04/29/22						
Oil & Grease (HEM)	ND	56	mg/L							
LCS (B307139-BS1)				Prepared & Analyzed: 04/29/22						
Oil & Grease (HEM)	20	1.4	mg/L	20.0		98.0	78-114			
LCS (B307139-BS2)				Prepared & Analyzed: 04/29/22						
Oil & Grease (HEM)	740	56	mg/L	800		92.0	78-114			
Batch B307427 - EPA 300.0										
Blank (B307427-BLK1)				Prepared & Analyzed: 05/03/22						
Chloride	ND	1.0	mg/L							
LCS (B307427-BS1)				Prepared & Analyzed: 05/03/22						
Chloride	9.5	1.0	mg/L	10.0		95.4	90-110			
LCS Dup (B307427-BSD1)				Prepared & Analyzed: 05/03/22						
Chloride	9.6	1.0	mg/L	10.0		95.5	90-110	0.138	20	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-01	Elevated reporting limits for all volatile compounds due to foaming sample matrix.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 300.0 in Water</i>	
Chloride	NC,NY,MA,VA,ME,NH,CT,RI
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023



CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

NYSDEC Site No.: 907016 / Lab Callout ID: 142802

Groundwater & Environmental Services, Inc.
415 Lawrence Bell Dr, Suite 6, Williamsville, NY
Project Manager: Thomas Palmer
Phone #: 716-481-1964
Email: tpalmer@gesonline.com

Project Name:
NYSDEC/Frewsburg/NY/FalconerSt/300
Project Address:
300 Falconer Street, Frewsburg, NY
Project PSID #: 907134

Billing Information
Groundwater & Environmental Services, Inc.
ges-invoices@gesonline.com
ATTN: Accounts Payable
Invoice Instructions
NYSDEC Site No.: 907016
Lab Manager: Kaitlyn Feliciano

CLIENT/REPORTING INFORMATION				PROJECT INFORMATION				BILLING INFORMATION				REQUESTED ANALYSIS (see Test Code sheet)				LAB USE ONLY				
Lab Sample #	Field ID / Point of Collection (Sys Loc code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	8260C - TCLVOCs OLM04.2 list	1664A Calc - oil & grease	200.7 - Total Al, Fe, Zn	Chlorine
1	Treatment Effluent	na	4/15	1115	WZ	WG	5	2	2	1	2						X	X	X	
2	Treatment Influent	na	4/15	1130	WZ	WG	2	3									X			
3	Trip Blank	na	4/15			WG											X			
4	Puddle		4/15	1100	WZ		2													X

Laboratory Information

Lab: Contest-Pace Analytical
Address: 39 Spruce St. East Longmeadow, MA 01028
Phone: 413-525-2332
Lab PM: Kaitlyn Feliciano
Lab PM Email: kaitlyn.feliciano@pacelabs.com

Turnaround Time

(Business Days)
☒ Standard 14 days
☐ 1 day RUSH
☐ Other _____ days

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Frewsburg/NY/FalconerSt/300_LabReport#.27908.EQEDD.zip

Data Deliverable Information
☐ Commercial 'A' (Level 1) = Results Only
☐ Commercial 'B' (Level 2) = Results + QC Summary
☐ FULLTI (Level 3 & 4)
☐ NJ Reduced = Results + QC Summary + Partial Raw Data
☐ Commercial 'C'
☐ NJ Data of Known Quality Protocol Reporting
☐ NYASP Category A
☐ NYASP Category B
☐ State Forms
☐ EDD Format
☐ Other _____

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By:	Date / Time	Received By:	Date / Time
1	4/15 1:00	1	4-16 9:53
2		2	
3		3	

Custody Seal Number: _____
☐ Intact
☐ Not Intact
Preserved where applicable:
☐ On Ice
Cooler Temp: 3.7



FedEx® Tracking



872871857257



ADD NICKNAME

Delivered
Saturday, 4/16/2022 at 9:53 am

**DELIVERED**

Signed for by: L.RIOS

GET STATUS UPDATES

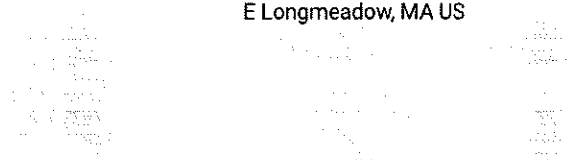
OBTAIN PROOF OF DELIVERY

FROM

Buffalo, NY US

TO

E Longmeadow, MA US

MANAGE DELIVERY 

Travel History

TIME ZONE

Local Scan Time



Saturday, April 16,
2022

9:53 AM	E Longmeadow, MA	Delivered
8:39 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
8:23 AM	WINDSOR LOCKS, CT	At local FedEx facility
12:41 AM	MEMPHIS, TN	Shipment arriving On-Time
12:29 AM	MEMPHIS, TN	Arrived at FedEx hub

Friday, April 15,
2022

6:35 PM	JAMESTOWN, NY	Left FedEx origin facility
11:45 AM		Shipment information sent to FedEx
12:45 PM	JAMESTOWN, NY	Picked up

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples _____



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False
Statement will be brought to the attention of the Client - State True or False**

Client NY-GES

Received By VR Date 4-16-22 Time 953

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 3.8
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? T Were Samples Tampered with? F

Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client T Analysis T Sampler Name F

pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? Acid T Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>2</u>	1 Liter Plastic		16 oz Amb.	
HCL-	<u>346</u>	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	<u>3</u>	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria	<u>1</u>	2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

May 24, 2022

Thomas Palmer
NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221

Project Location: 300 Falconer St, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22E0441

Enclosed are results of analyses for samples as received by the laboratory on May 7, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221
ATTN: Thomas Palmer

REPORT DATE: 5/24/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22E0441

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22E0441-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	22E0441-02	Ground Water		SW-846 8260D	
Trip Blank	22E0441-03	Ground Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D**Qualifications:**

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**Chloromethane**

22E0441-01[Treatment Effluent], 22E0441-02[Treatment Influent], 22E0441-03[Trip Blank], B307939-BLK1, B307939-BS1, B307939-BSD1, S071344-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22E0441-02[Treatment Influent]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**Chloromethane**

22E0441-01[Treatment Effluent], 22E0441-02[Treatment Influent], 22E0441-03[Trip Blank], B307939-BLK1, B307939-BS1, B307939-BSD1, S071344-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Bromoform**

B307939-BS1, B307939-BSD1, S071344-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22E0441

Date Received: 5/7/2022

Field Sample #: Treatment Effluent

Sampled: 5/6/2022 10:45

Sample ID: 22E0441-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Chloromethane	ND	2.0	µg/L	1	V-05, R-05	SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22E0441

Date Received: 5/7/2022

Field Sample #: Treatment Effluent

Sampled: 5/6/2022 10:45

Sample ID: 22E0441-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH
Xylenes (total)	0.0		µg/L	1		SW-846 8260D	5/9/22	5/10/22 8:42	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	97.3	70-130	
4-Bromofluorobenzene	98.0	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22E0441

Date Received: 5/7/2022

Field Sample #: Treatment Effluent

Sampled: 5/6/2022 10:45

Sample ID: 22E0441-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		EPA 200.7	5/10/22	5/14/22 6:44	MJH
Iron	1.8	0.050	mg/L	1		EPA 200.7	5/10/22	5/14/22 6:44	MJH
Zinc	ND	0.010	mg/L	1		EPA 200.7	5/10/22	5/14/22 6:44	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22E0441

Date Received: 5/7/2022

Field Sample #: Treatment Effluent

Sampled: 5/6/2022 10:45

Sample ID: 22E0441-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	1.8	1.4	mg/L	1		EPA 1664B	5/19/22	5/19/22 13:10	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22E0441

Date Received: 5/7/2022

Field Sample #: Treatment Influent

Sampled: 5/6/2022 10:50

Sample ID: 22E0441-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2000	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Benzene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Bromochloromethane	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Bromodichloromethane	ND	20	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Bromoform	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Bromomethane	ND	80	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
2-Butanone (MEK)	ND	800	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Carbon Disulfide	ND	200	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Carbon Tetrachloride	ND	200	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Chlorobenzene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Chlorodibromomethane	ND	20	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Chloroethane	ND	80	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Chloroform	ND	80	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Chloromethane	ND	80	µg/L	40	R-05, V-05	SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Cyclohexane	ND	200	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,2-Dibromoethane (EDB)	ND	20	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,2-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,3-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,4-Dichlorobenzene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	80	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,1-Dichloroethane	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,2-Dichloroethane	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,1-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
cis-1,2-Dichloroethylene	3200	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
trans-1,2-Dichloroethylene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,2-Dichloropropane	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
cis-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
trans-1,3-Dichloropropene	ND	20	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,4-Dioxane	ND	2000	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Ethylbenzene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
2-Hexanone (MBK)	ND	400	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Isopropylbenzene (Cumene)	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Methyl Acetate	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Methyl Cyclohexane	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Methylene Chloride	ND	200	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	400	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Styrene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,1,2,2-Tetrachloroethane	ND	20	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Tetrachloroethylene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Toluene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,2,3-Trichlorobenzene	ND	200	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,2,4-Trichlorobenzene	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22E0441

Date Received: 5/7/2022

Field Sample #: Treatment Influent

Sampled: 5/6/2022 10:50

Sample ID: 22E0441-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,1,2-Trichloroethane	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Trichloroethylene	1200	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Trichlorofluoromethane (Freon 11)	ND	80	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	40	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Vinyl Chloride	100	80	µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH
Xylenes (total)	0.0		µg/L	40		SW-846 8260D	5/9/22	5/10/22 9:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	106	70-130	
Toluene-d8	98.7	70-130	
4-Bromofluorobenzene	98.2	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22E0441

Date Received: 5/7/2022

Field Sample #: Trip Blank

Sampled: 5/6/2022 00:00

Sample ID: 22E0441-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Chloromethane	ND	2.0	µg/L	1	R-05, V-05	SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Cyclohexane	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22E0441

Date Received: 5/7/2022

Field Sample #: Trip Blank

Sampled: 5/6/2022 00:00

Sample ID: 22E0441-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH
Xylenes (total)	0.0		µg/L	1		SW-846 8260D	5/9/22	5/10/22 7:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	97.5	70-130	
4-Bromofluorobenzene	97.8	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
22E0441-01 [Treatment Effluent]	B308761	1000	05/19/22

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22E0441-01 [Treatment Effluent]	B308060	50.0	50.0	05/10/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22E0441-01 [Treatment Effluent]	B307939	5	5.00	05/09/22
22E0441-02 [Treatment Influent]	B307939	0.125	5.00	05/09/22
22E0441-03 [Trip Blank]	B307939	5	5.00	05/09/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B307939 - SW-846 5030B
Blank (B307939-BLK1)

Prepared: 05/09/22 Analyzed: 05/10/22

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

R-05, V-05

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B307939 - SW-846 5030B										
Blank (B307939-BLK1)										
Prepared: 05/09/22 Analyzed: 05/10/22										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	0.0		µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		µg/L	25.0		97.9	70-130			
LCS (B307939-BS1)										
Prepared & Analyzed: 05/09/22										
Acetone	95.3	50	µg/L	100		95.3	70-160			†
Benzene	9.23	1.0	µg/L	10.0		92.3	70-130			
Bromochloromethane	9.97	1.0	µg/L	10.0		99.7	70-130			
Bromodichloromethane	9.98	0.50	µg/L	10.0		99.8	70-130			
Bromoform	12.6	1.0	µg/L	10.0		126	70-130			V-20
Bromomethane	12.0	2.0	µg/L	10.0		120	40-160			†
2-Butanone (MEK)	85.8	20	µg/L	100		85.8	40-160			†
Carbon Disulfide	104	5.0	µg/L	100		104	70-130			
Carbon Tetrachloride	10.5	5.0	µg/L	10.0		105	70-130			
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103	70-130			
Chloroethane	11.9	2.0	µg/L	10.0		119	70-130			
Chloroform	9.89	2.0	µg/L	10.0		98.9	70-130			
Chloromethane	7.52	2.0	µg/L	10.0		75.2	40-160			R-05, V-05 †
Cyclohexane	8.84	5.0	µg/L	10.0		88.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	11.1	5.0	µg/L	10.0		111	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,4-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Dichlorodifluoromethane (Freon 12)	9.40	2.0	µg/L	10.0		94.0	40-160			†
1,1-Dichloroethane	9.26	1.0	µg/L	10.0		92.6	70-130			
1,2-Dichloroethane	9.42	1.0	µg/L	10.0		94.2	70-130			
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
cis-1,2-Dichloroethylene	9.26	1.0	µg/L	10.0		92.6	70-130			
trans-1,2-Dichloroethylene	9.12	1.0	µg/L	10.0		91.2	70-130			
1,2-Dichloropropane	9.43	1.0	µg/L	10.0		94.3	70-130			
cis-1,3-Dichloropropene	8.92	0.50	µg/L	10.0		89.2	70-130			
trans-1,3-Dichloropropene	9.07	0.50	µg/L	10.0		90.7	70-130			
1,4-Dioxane	97.4	50	µg/L	100		97.4	40-130			†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
2-Hexanone (MBK)	90.8	10	µg/L	100		90.8	70-160			†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130			
Methyl Acetate	10.6	1.0	µg/L	10.0		106	70-130			
Methyl tert-Butyl Ether (MTBE)	9.73	1.0	µg/L	10.0		97.3	70-130			
Methyl Cyclohexane	8.88	1.0	µg/L	10.0		88.8	70-130			
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130			
4-Methyl-2-pentanone (MIBK)	90.5	10	µg/L	100		90.5	70-160			†
Styrene	10.7	1.0	µg/L	10.0		107	70-130			
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107	70-130			
Tetrachloroethylene	9.77	1.0	µg/L	10.0		97.7	70-130			
Toluene	9.67	1.0	µg/L	10.0		96.7	70-130			
1,2,3-Trichlorobenzene	11.5	5.0	µg/L	10.0		115	70-130			
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B307939 - SW-846 5030B										
LCS (B307939-BS1)										
Prepared & Analyzed: 05/09/22										
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	1.0	µg/L	10.0		102	70-130			
Vinyl Chloride	8.78	2.0	µg/L	10.0		87.8	40-160			†
m+p Xylene	20.5	2.0	µg/L	20.0		103	70-130			
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130			
Xylenes (total)	30.9		µg/L	30.0		103	0-200			
Surrogate: 1,2-Dichloroethane-d4	26.2		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.0		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.0		99.2	70-130			
LCS Dup (B307939-BSD1)										
Prepared & Analyzed: 05/09/22										
Acetone	89.6	50	µg/L	100		89.6	70-160	6.17	25	†
Benzene	9.11	1.0	µg/L	10.0		91.1	70-130	1.31	25	
Bromochloromethane	9.73	1.0	µg/L	10.0		97.3	70-130	2.44	25	
Bromodichloromethane	9.78	0.50	µg/L	10.0		97.8	70-130	2.02	25	
Bromoform	12.0	1.0	µg/L	10.0		120	70-130	4.64	25	V-20
Bromomethane	12.3	2.0	µg/L	10.0		123	40-160	3.04	25	†
2-Butanone (MEK)	80.2	20	µg/L	100		80.2	40-160	6.78	25	†
Carbon Disulfide	106	5.0	µg/L	100		106	70-130	1.81	25	
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130	0.760	25	
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	0.0950	25	
Chlorodibromomethane	10.2	0.50	µg/L	10.0		102	70-130	0.975	25	
Chloroethane	12.6	2.0	µg/L	10.0		126	70-130	6.36	25	
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	2.30	25	
Chloromethane	10.0	2.0	µg/L	10.0		100	40-160	28.4 *	25	R-05, V-05 †
Cyclohexane	9.08	5.0	µg/L	10.0		90.8	70-130	2.68	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.89	5.0	µg/L	10.0		98.9	70-130	11.3	25	
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130	1.90	25	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	4.34	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	4.07	25	
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	4.03	25	
Dichlorodifluoromethane (Freon 12)	9.78	2.0	µg/L	10.0		97.8	40-160	3.96	25	†
1,1-Dichloroethane	9.40	1.0	µg/L	10.0		94.0	70-130	1.50	25	
1,2-Dichloroethane	9.11	1.0	µg/L	10.0		91.1	70-130	3.35	25	
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	3.37	25	
cis-1,2-Dichloroethylene	9.51	1.0	µg/L	10.0		95.1	70-130	2.66	25	
trans-1,2-Dichloroethylene	9.20	1.0	µg/L	10.0		92.0	70-130	0.873	25	
1,2-Dichloropropane	9.12	1.0	µg/L	10.0		91.2	70-130	3.34	25	
cis-1,3-Dichloropropene	8.76	0.50	µg/L	10.0		87.6	70-130	1.81	25	
trans-1,3-Dichloropropene	8.77	0.50	µg/L	10.0		87.7	70-130	3.36	25	
1,4-Dioxane	89.9	50	µg/L	100		89.9	40-130	8.01	50	† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	1.26	25	
2-Hexanone (MBK)	83.4	10	µg/L	100		83.4	70-160	8.49	25	†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130	2.16	25	
Methyl Acetate	9.91	1.0	µg/L	10.0		99.1	70-130	6.63	25	
Methyl tert-Butyl Ether (MTBE)	9.61	1.0	µg/L	10.0		96.1	70-130	1.24	25	
Methyl Cyclohexane	9.13	1.0	µg/L	10.0		91.3	70-130	2.78	25	
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130	0.680	25	
4-Methyl-2-pentanone (MIBK)	83.0	10	µg/L	100		83.0	70-160	8.54	25	†
Styrene	10.5	1.0	µg/L	10.0		105	70-130	2.08	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B307939 - SW-846 5030B										
LCS Dup (B307939-BSD1)				Prepared & Analyzed: 05/09/22						
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130	3.53	25	
Tetrachloroethylene	9.78	1.0	µg/L	10.0		97.8	70-130	0.102	25	
Toluene	9.54	1.0	µg/L	10.0		95.4	70-130	1.35	25	
1,2,3-Trichlorobenzene	10.8	5.0	µg/L	10.0		108	70-130	6.29	25	
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	2.93	25	
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.671	25	
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.298	25	
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.579	25	
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.0		108	70-130	1.59	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130	3.00	25	
Vinyl Chloride	8.46	2.0	µg/L	10.0		84.6	40-160	3.71	25	†
m+p Xylene	20.1	2.0	µg/L	20.0		101	70-130	1.87	25	
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	1.65	25	
Xylenes (total)	30.3		µg/L	30.0		101	0-200	1.80		
Surrogate: 1,2-Dichloroethane-d4	26.3		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	24.2		µg/L	25.0		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		µg/L	25.0		98.1	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B308060 - EPA 200.7
Blank (B308060-BLK1)

Prepared: 05/10/22 Analyzed: 05/14/22

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B308060-BS1)

Prepared: 05/10/22 Analyzed: 05/14/22

Aluminum	0.486	0.050	mg/L	0.500		97.2	85-115			
Iron	4.00	0.050	mg/L	4.00		100	85-115			
Zinc	1.04	0.010	mg/L	1.00		104	85-115			

LCS Dup (B308060-BSD1)

Prepared: 05/10/22 Analyzed: 05/14/22

Aluminum	0.467	0.050	mg/L	0.500		93.4	85-115	4.03	20	
Iron	3.91	0.050	mg/L	4.00		97.8	85-115	2.21	20	
Zinc	1.03	0.010	mg/L	1.00		103	85-115	0.353	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B308761 - EPA 1664B										
Blank (B308761-BLK1)				Prepared & Analyzed: 05/19/22						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B308761-BLK2)				Prepared & Analyzed: 05/19/22						
Oil & Grease (HEM)	ND	56	mg/L							
LCS (B308761-BS1)				Prepared & Analyzed: 05/19/22						
Oil & Grease (HEM)	22	1.4	mg/L	20.0		108	78-114			
LCS (B308761-BS2)				Prepared & Analyzed: 05/19/22						
Oil & Grease (HEM)	720	56	mg/L	800		89.5	78-114			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

[illegible]

Sample Custody must be documented below each time samples change possession, including courier.	
Relinquished By Sampler: 1 <i>[Signature]</i>	Date / Time: 1 5/6 1500
Relinquished By : 2	Date / Time: 2
Relinquished By : 3	Date / Time: 3
Custody Seal Number:	☐ Intact ☐ Preserved where applicable Received By: 1 <i>[Signature]</i> 2 3 Received By: 1 <i>[Signature]</i> 2 3

(https://www.fedex.com/en-us/home.html)



FedEx® Tracking



272854087097

ADD NICKNAME



Delivered
Saturday, 5/7/2022 at 10:52 am

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Buffalo, NY US

Label Created

05/06/2022 12:53 PM

PACKAGE RECEIVED BY FEDEX

JAMESTOWN, NY

05/06/2022 1:53 PM

IN TRANSIT

MEMPHIS, TN

05/06/2022 11:41 PM

OUT FOR DELIVERY

WINDSOR LOCKS, CT

05/07/2022 9:46 AM

DELIVERED

EAST LONGMEADOW, MA US

Delivered

5/7/2022 at 10:52 AM

MANAGE DELIVERY 

Travel History

TIME ZONE

Local Scan Time



**Saturday, May 7,
2022**

10:52 AM	EAST LONGMEADOW, MA	Delivered
9:46 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
8:25 AM	WINDSOR LOCKS, CT	At local FedEx facility
6:48 AM	EAST GRANBY, CT	At destination sort facility

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples _____



Doc# 277 Rev 5 2017



**Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False
Statement will be brought to the attention of the Client - State True or False**

Client NY-GEOReceived By UR Date 5/7 Time 1652

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 2.0
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? T Were Samples Tamed with? FWas COC Relinquished? T Does Chain Agree With Samples? TAre there broken/leaking/loose caps on any samples? FIs COC in ink/ Legible? T Were samples received within holding time? TDid COC include all Client T Analysis T Sampler Name Fpertinent Information? Project T ID's T Collection Dates/Times TAre Sample labels filled out and legible? TAre there Lab to Filters? F Who was notified? _____Are there Rushes? F Who was notified? _____Are there Short Holds? F Who was notified? _____Is there enough Volume? TIs there Headspace where applicable? F MS/MSD? FProper Media/Containers Used? T Is splitting samples required? FWere trip blanks received? T On COC? TDo all samples have the proper pH? Acid T Base _____

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.	<u>2</u>	1 Liter Plastic		16 oz Amb.
HCL-	<u>6</u>	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	<u>1</u>	4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear
DI-		Other Glass		Other Plastic		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

June 22, 2022

Thomas Palmer
NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22F0445

Enclosed are results of analyses for samples as received by the laboratory on June 8, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221
ATTN: Thomas Palmer

REPORT DATE: 6/22/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22F0445

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22F0445-01	Water		EPA 1664B EPA 200.7 SW-846 8260D	
Ftreatment Influent	22F0445-02	Water		SW-846 8260D	
Trip Blank	22F0445-03	Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D

Qualifications:

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22F0445-02[Ftreatment Influent]

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromomethane

B310422-BS1, B310422-BSD1, S072612-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22F0445

Date Received: 6/8/2022

Field Sample #: Treatment Effluent

Sampled: 6/7/2022 09:00

Sample ID: 22F0445-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.9	50	2.0	µg/L	1	J	SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
cis-1,2-Dichloroethylene	2.1	1.0	0.15	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22F0445

Date Received: 6/8/2022

Field Sample #: Treatment Effluent

Sampled: 6/7/2022 09:00

Sample ID: 22F0445-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Trichloroethylene	0.29	1.0	0.19	µg/L	1	J	SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/10/22	6/10/22 15:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	105	70-130	
Toluene-d8	98.3	70-130	
4-Bromofluorobenzene	96.2	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22F0445

Date Received: 6/8/2022

Field Sample #: Treatment Effluent

Sampled: 6/7/2022 09:00

Sample ID: 22F0445-01

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		EPA 200.7	6/17/22	6/20/22 22:54	MJH
Iron	3.2	0.050	0.019	mg/L	1		EPA 200.7	6/17/22	6/20/22 22:54	MJH
Zinc	0.80	0.010	0.0042	mg/L	1		EPA 200.7	6/17/22	6/20/22 22:54	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22F0445

Date Received: 6/8/2022

Field Sample #: Treatment Effluent

Sampled: 6/7/2022 09:00

Sample ID: 22F0445-01

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	0.90	1.4	0.41	mg/L	1	J	EPA 1664B	6/22/22	6/22/22 13:00	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22F0445

Date Received: 6/8/2022

Field Sample #: Ftreatment Influent

Sampled: 6/7/2022 09:15

Sample ID: 22F0445-02

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2500	100	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Benzene	ND	50	10	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Bromochloromethane	ND	50	15	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Bromodichloromethane	ND	25	9.0	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Bromoform	ND	50	19	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Bromomethane	ND	100	77	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
2-Butanone (MEK)	ND	1000	81	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Carbon Disulfide	ND	250	72	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Chlorobenzene	ND	50	5.3	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Chlorodibromomethane	ND	25	11	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Chloroethane	ND	100	16	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Chloroform	ND	100	8.4	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Chloromethane	ND	100	26	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	40	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,2-Dibromoethane (EDB)	ND	25	8.5	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,2-Dichlorobenzene	ND	50	6.1	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,3-Dichlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,4-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	9.6	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,1-Dichloroethane	ND	50	7.1	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,1-Dichloroethylene	10	50	7.1	µg/L	50	J	SW-846 8260D	6/10/22	6/10/22 20:13	EEH
cis-1,2-Dichloroethylene	4200	50	7.3	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
trans-1,2-Dichloroethylene	16	50	8.4	µg/L	50	J	SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,2-Dichloropropane	ND	50	9.1	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
cis-1,3-Dichloropropene	ND	25	7.9	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
trans-1,3-Dichloropropene	ND	25	8.4	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,4-Dioxane	ND	2500	1000	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
2-Hexanone (MBK)	ND	500	56	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Isopropylbenzene (Cumene)	ND	50	5.4	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Methyl Acetate	ND	50	23	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	8.6	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Methyl Cyclohexane	ND	50	12	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Methylene Chloride	ND	250	12	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	64	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Styrene	ND	50	5.3	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,1,2,2-Tetrachloroethane	ND	25	6.3	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Tetrachloroethylene	ND	50	9.4	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Toluene	ND	50	11	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,2,3-Trichlorobenzene	ND	250	15	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,2,4-Trichlorobenzene	ND	50	12	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22F0445

Date Received: 6/8/2022

Field Sample #: Ftreatment Influent

Sampled: 6/7/2022 09:15

Sample ID: 22F0445-02

Sample Matrix: Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	8.4	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,1,2-Trichloroethane	ND	50	9.1	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Trichloroethylene	1500	50	9.5	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Trichlorofluoromethane (Freon 11)	ND	100	8.8	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	50	11	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Vinyl Chloride	280	100	10	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	6/10/22	6/10/22 20:13	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	105	70-130	
Toluene-d8	99.6	70-130	
4-Bromofluorobenzene	96.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22F0445

Date Received: 6/8/2022

Field Sample #: Trip Blank

Sampled: 6/7/2022 00:00

Sample ID: 22F0445-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22F0445

Date Received: 6/8/2022

Field Sample #: Trip Blank

Sampled: 6/7/2022 00:00

Sample ID: 22F0445-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	6/10/22	6/10/22 12:53	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	106	70-130	
Toluene-d8	98.9	70-130	
4-Bromofluorobenzene	96.4	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
22F0445-01 [Treatment Effluent]	B311307	1000	06/22/22

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0445-01 [Treatment Effluent]	B310994	50.0	50.0	06/17/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0445-01 [Treatment Effluent]	B310422	5	5.00	06/10/22
22F0445-02 [Treatment Influent]	B310422	0.1	5.00	06/10/22
22F0445-03 [Trip Blank]	B310422	5	5.00	06/10/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B310422 - SW-846 5030B
Blank (B310422-BLK1)

Prepared & Analyzed: 06/10/22

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310422 - SW-846 5030B										
Blank (B310422-BLK1)										
Prepared & Analyzed: 06/10/22										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.1		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		µg/L	25.0		96.0	70-130			
LCS (B310422-BS1)										
Prepared & Analyzed: 06/10/22										
Acetone	105	50	µg/L	100		105	70-160			†
Benzene	9.67	1.0	µg/L	10.0		96.7	70-130			
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.0		103	70-130			
Bromoform	12.5	1.0	µg/L	10.0		125	70-130			
Bromomethane	15.3	2.0	µg/L	10.0		153	40-160			V-20 †
2-Butanone (MEK)	103	20	µg/L	100		103	40-160			†
Carbon Disulfide	118	5.0	µg/L	100		118	70-130			
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroethane	12.9	2.0	µg/L	10.0		129	70-130			
Chloroform	10.6	2.0	µg/L	10.0		106	70-130			
Chloromethane	9.91	2.0	µg/L	10.0		99.1	40-160			†
Cyclohexane	9.62	5.0	µg/L	10.0		96.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.6	5.0	µg/L	10.0		106	70-130			
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.0		112	70-130			
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130			
Dichlorodifluoromethane (Freon 12)	9.76	2.0	µg/L	10.0		97.6	40-160			†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130			
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130			
cis-1,3-Dichloropropene	9.46	0.50	µg/L	10.0		94.6	70-130			
trans-1,3-Dichloropropene	9.58	0.50	µg/L	10.0		95.8	70-130			
1,4-Dioxane	88.2	50	µg/L	100		88.2	40-130			†
Ethylbenzene	10.0	1.0	µg/L	10.0		100	70-130			
2-Hexanone (MBK)	105	10	µg/L	100		105	70-160			†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130			
Methyl Acetate	10.6	1.0	µg/L	10.0		106	70-130			
Methyl tert-Butyl Ether (MTBE)	9.95	1.0	µg/L	10.0		99.5	70-130			
Methyl Cyclohexane	9.21	1.0	µg/L	10.0		92.1	70-130			
Methylene Chloride	11.4	5.0	µg/L	10.0		114	70-130			
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100		107	70-160			†
Styrene	10.2	1.0	µg/L	10.0		102	70-130			
1,1,2,2-Tetrachloroethane	11.9	0.50	µg/L	10.0		119	70-130			
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Toluene	9.94	1.0	µg/L	10.0		99.4	70-130			
1,2,3-Trichlorobenzene	9.75	5.0	µg/L	10.0		97.5	70-130			
1,2,4-Trichlorobenzene	9.44	1.0	µg/L	10.0		94.4	70-130			
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310422 - SW-846 5030B										
LCS (B310422-BS1)										
Prepared & Analyzed: 06/10/22										
1,1,2-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Trichlorofluoromethane (Freon 11)	10.7	2.0	µg/L	10.0		107	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130			
Vinyl Chloride	12.4	2.0	µg/L	10.0		124	40-160			†
m+p Xylene	20.2	2.0	µg/L	20.0		101	70-130			
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130			
Xylenes (total)	30.5	1.0	µg/L	30.0		102	0-200			
Surrogate: 1,2-Dichloroethane-d4	26.5		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.5	70-130			
LCS Dup (B310422-BSD1)										
Prepared & Analyzed: 06/10/22										
Acetone	105	50	µg/L	100		105	70-160	0.820	25	†
Benzene	9.63	1.0	µg/L	10.0		96.3	70-130	0.415	25	
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130	0.792	25	
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130	1.64	25	
Bromoform	12.2	1.0	µg/L	10.0		122	70-130	2.11	25	
Bromomethane	15.4	2.0	µg/L	10.0		154	40-160	0.847	25	V-20 †
2-Butanone (MEK)	100	20	µg/L	100		100	40-160	3.07	25	†
Carbon Disulfide	120	5.0	µg/L	100		120	70-130	2.22	25	
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109	70-130	1.66	25	
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	0.838	25	
Chlorodibromomethane	10.5	0.50	µg/L	10.0		105	70-130	3.20	25	
Chloroethane	12.9	2.0	µg/L	10.0		129	70-130	0.155	25	
Chloroform	10.8	2.0	µg/L	10.0		108	70-130	1.59	25	
Chloromethane	10.2	2.0	µg/L	10.0		102	40-160	3.37	25	†
Cyclohexane	9.79	5.0	µg/L	10.0		97.9	70-130	1.75	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.0	5.0	µg/L	10.0		100	70-130	6.01	25	
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111	70-130	1.52	25	
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	3.22	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	3.70	25	
1,4-Dichlorobenzene	9.92	1.0	µg/L	10.0		99.2	70-130	5.20	25	
Dichlorodifluoromethane (Freon 12)	9.67	2.0	µg/L	10.0		96.7	40-160	0.926	25	†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.193	25	
1,2-Dichloroethane	9.77	1.0	µg/L	10.0		97.7	70-130	2.83	25	
1,1-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	1.86	25	
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.293	25	
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	1.19	25	
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	0.00	25	
cis-1,3-Dichloropropene	9.46	0.50	µg/L	10.0		94.6	70-130	0.00	25	
trans-1,3-Dichloropropene	9.25	0.50	µg/L	10.0		92.5	70-130	3.51	25	
1,4-Dioxane	91.3	50	µg/L	100		91.3	40-130	3.47	50	† ‡
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.58	25	
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160	2.85	25	†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	1.47	25	
Methyl Acetate	10.6	1.0	µg/L	10.0		106	70-130	0.471	25	
Methyl tert-Butyl Ether (MTBE)	9.55	1.0	µg/L	10.0		95.5	70-130	4.10	25	
Methyl Cyclohexane	9.48	1.0	µg/L	10.0		94.8	70-130	2.89	25	
Methylene Chloride	11.3	5.0	µg/L	10.0		113	70-130	0.618	25	
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104	70-160	3.10	25	†
Styrene	10.1	1.0	µg/L	10.0		101	70-130	1.08	25	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B310422 - SW-846 5030B										
LCS Dup (B310422-BSD1)				Prepared & Analyzed: 06/10/22						
1,1,2,2-Tetrachloroethane	11.7	0.50	µg/L	10.0		117	70-130	1.70	25	
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.287	25	
Toluene	9.93	1.0	µg/L	10.0		99.3	70-130	0.101	25	
1,2,3-Trichlorobenzene	9.72	5.0	µg/L	10.0		97.2	70-130	0.308	25	
1,2,4-Trichlorobenzene	9.10	1.0	µg/L	10.0		91.0	70-130	3.67	25	
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	1.10	25	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	5.20	25	
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	3.21	25	
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110	70-130	3.41	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5	1.0	µg/L	10.0		115	70-130	5.26	25	
Vinyl Chloride	13.0	2.0	µg/L	10.0		130	40-160	4.01	25	†
m+p Xylene	20.3	2.0	µg/L	20.0		102	70-130	0.296	25	
o-Xylene	10.2	1.0	µg/L	10.0		102	70-130	0.0980	25	
Xylenes (total)	30.5	1.0	µg/L	30.0		102	0-200	0.164		
Surrogate: 1,2-Dichloroethane-d4	26.0		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		µg/L	25.0		100	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B310994 - EPA 200.7
Blank (B310994-BLK1)

Prepared: 06/17/22 Analyzed: 06/20/22

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B310994-BS1)

Prepared: 06/17/22 Analyzed: 06/20/22

Aluminum	0.473	0.050	mg/L	0.500		94.6	85-115			
Iron	3.87	0.050	mg/L	4.00		96.8	85-115			
Zinc	0.943	0.010	mg/L	1.00		94.3	85-115			

LCS Dup (B310994-BSD1)

Prepared: 06/17/22 Analyzed: 06/20/22

Aluminum	0.486	0.050	mg/L	0.500		97.1	85-115	2.62	20	
Iron	3.97	0.050	mg/L	4.00		99.4	85-115	2.60	20	
Zinc	0.971	0.010	mg/L	1.00		97.1	85-115	2.93	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B311307 - EPA 1664B								
Blank (B311307-BLK1)				Prepared & Analyzed: 06/22/22				
Oil & Grease (HEM)	ND	1.4	mg/L					
Blank (B311307-BLK2)				Prepared & Analyzed: 06/22/22				
Oil & Grease (HEM)	ND	56	mg/L					
LCS (B311307-BS1)				Prepared & Analyzed: 06/22/22				
Oil & Grease (HEM)	19	1.4	mg/L	20.0	96.0	78-114		
LCS (B311307-BS2)				Prepared & Analyzed: 06/22/22				
Oil & Grease (HEM)	740	56	mg/L	800	92.5	78-114		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022



CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

PAGE 1 OF 1

NYSDEC Site No.: 907016 / Lab Callout ID: 142802

CLIENT/REPORTING INFORMATION				PROJECT INFORMATION				BILLING INFORMATION				REQUESTED ANALYSIS				LAB USE ONLY			
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Dr, Suite 6, Williamsville, NY Project Manager: Thomas Palmer t.palmer@gesonline.com Phone #: 716-481-1964 fax				Project Name: NYSDEC/Freensburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Freensburg, NY Project PSID #: 1				Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable Invoice Instructions NYSDEC Site No.: 907016 Lab Manager: Kathryn Feliciano				☒ 1664A - calc - oil & grease ☒ 8260C - TC.VOCs OLM04.2 list ☒ 200.7 - Total Al, Fe, Zn							
Sampler(s) Name:				Sampler(s) Name:				Number of preserved bottles											
Lab Sample #	Field ID / Point of Collection (Sys Loc code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	DI	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber			
1	Treatment Effluent	na	6/7	0900	WL	WG	5	2											
2	Treatment Influent	na	6/7	0915	WL	WG	2	2											
3	Trip Blank	na	6/7	-	WL	WG	2	2											

Turnaround Time (Business Days)
☒ Standard 14 days
☐ 1 day RUSH
☐ Other _____ days

Lab: Contest-Pace Analytical

Address: 39 Spruce St. East Longmeadow, MA 01028

Phone: 413-525-2332

Lab PM: Kathryn Feliciano

Lab PM Email: k.feliciano@pace-labs.com

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/Freensburg/NY/FalconerSt/300_LabReport#.27908.EQEDD.zip

Data Deliverable Information
☐ Commercial 'A' (Level 1) = Results Only
☐ Commercial 'B' (Level 2) = Results + QC Summary
☐ FULLTH (Level 3 & 4)
☐ NJ Reduced = Results + QC Summary + Partial Raw Data
☐ Commercial 'C'
☐ NJ Data of Known Quality Protocol Reporting
☐ NYASP Category A
☐ NYASP Category B
☐ State Forms
☒ EDD Format
☐ Other _____

Simple Custody must be documented below each time samples change possession, including courier.			
Relinquished By:	Date / Time:	Received By:	Date / Time:
1	6/7 1100	1	5:30 P
Relinquished By:	Date / Time:	Received By:	Date / Time:
2		2	
Relinquished By:	Date / Time:	Received By:	Date / Time:
3		3	
Custody Seal Number:	Intact	Not Intact	Preserved where applicable
			On Ice
			Cooler Temp

Printed: 6/8/2022 10:09 am
 872871857350



FedEx® Tracking



872871857350



ADD NICKNAME

Delivered
 Wednesday, 6/8/2022 at 10:09 am



DELIVERED

Signed for by: A.ORRU

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Williamsville, NY US

TO

EAST LONGMEADOW, MA US

MANAGE DELIVERY

Travel History

TIME ZONE

Local Scan Time



**Wednesday, June 8,
 2022**

10:09 AM	EAST LONGMEADOW, MA	Delivered
7:29 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:20 AM	WINDSOR LOCKS, CT	At local FedEx facility
2:57 AM	NEWARK, NJ	Departed FedEx hub
12:09 AM	NEWARK, NJ	Shipment arriving On-Time

**Tuesday, June 7,
 2022**

11:59 PM	NEWARK, NJ	Arrived at FedEx hub
6:58 PM	JAMESTOWN, NY	Left FedEx origin facility

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples _____

Pace

Doc# 277 Rev 5 2017

Pace

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False

Statement will be brought to the attention of the Client - State True or False

Client BES

Received By LA Date 6/18/22 Time 10:00

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling F Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 5.3
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client F Analysis T Sampler Name F
Project F ID's T Collection Dates/Times T

Are Sample labels filled out and legible? F

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? F

Do all samples have the proper pH? T Acid T Base _____

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.	<u>2</u>	1 Liter Plastic		16 oz Amb.
HCL-	<u>6</u>	500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	<u>1</u>	4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear
DI-		Other Glass		Other Plastic		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

August 4, 2022

Thomas Palmer
NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221

Project Location: 300 Falconer St, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22G0685

Enclosed are results of analyses for samples as received by the laboratory on July 13, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221
ATTN: Thomas Palmer

REPORT DATE: 8/4/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22G0685

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22G0685-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	22G0685-02	Ground Water		SW-846 8260D	
Trip Blank	22G0685-03	Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D**Qualifications:**

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**Carbon Disulfide**

B312956-BS1, B312956-BSD1, S073962-CCV1

Methyl Acetate

B312956-BS1, B312956-BSD1, S073962-CCV1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethane**

B312956-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22G0685-02[Treatment Influent]

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethane**

B312956-BS1, B312956-BSD1, S073962-CCV1

Carbon Disulfide

B312956-BS1, B312956-BSD1, S073962-CCV1

Dichlorodifluoromethane (Freon 12)

B312956-BS1, B312956-BSD1, S073962-CCV1

Methyl Acetate

B312956-BS1, B312956-BSD1, S073962-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22G0685

Date Received: 7/13/2022

Field Sample #: Treatment Effluent

Sampled: 7/12/2022 10:00

Sample ID: 22G0685-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	8.8	50	2.0	µg/L	1	J	SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
cis-1,2-Dichloroethylene	1.5	1.0	0.15	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22G0685

Date Received: 7/13/2022

Field Sample #: Treatment Effluent

Sampled: 7/12/2022 10:00

Sample ID: 22G0685-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Trichloroethylene	0.19	1.0	0.19	µg/L	1	J	SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/14/22	7/14/22 12:52	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	99.6	70-130	
4-Bromofluorobenzene	104	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22G0685

Date Received: 7/13/2022

Field Sample #: Treatment Effluent

Sampled: 7/12/2022 10:00

Sample ID: 22G0685-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.017	0.050	0.015	mg/L	1	J	EPA 200.7	7/13/22	8/3/22 1:30	QNW
Iron	5.5	0.050	0.019	mg/L	1		EPA 200.7	7/13/22	8/3/22 1:30	QNW
Zinc	0.0097	0.010	0.0042	mg/L	1	J	EPA 200.7	7/13/22	8/3/22 1:30	QNW

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22G0685

Date Received: 7/13/2022

Field Sample #: Treatment Effluent

Sampled: 7/12/2022 10:00

Sample ID: 22G0685-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	1.1	1.4	0.41	mg/L	1	J	EPA 1664B	7/27/22	7/27/22 13:00	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22G0685

Date Received: 7/13/2022

Field Sample #: Treatment Influent

Sampled: 7/12/2022 10:10

Sample ID: 22G0685-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2500	100	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Benzene	ND	50	10	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Bromochloromethane	ND	50	15	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Bromodichloromethane	ND	25	9.0	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Bromoform	ND	100	19	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Bromomethane	ND	100	77	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
2-Butanone (MEK)	ND	1000	81	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Carbon Disulfide	ND	250	72	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Chlorobenzene	ND	50	5.3	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Chlorodibromomethane	ND	25	11	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Chloroethane	ND	100	16	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Chloroform	ND	100	8.4	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Chloromethane	ND	100	26	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	40	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,2-Dibromoethane (EDB)	ND	25	8.5	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,2-Dichlorobenzene	ND	50	6.1	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,3-Dichlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,4-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	9.6	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,1-Dichloroethane	ND	50	7.1	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,1-Dichloroethylene	11	50	7.1	µg/L	50	J	SW-846 8260D	7/14/22	7/14/22 18:23	EEH
cis-1,2-Dichloroethylene	4000	50	7.3	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
trans-1,2-Dichloroethylene	21	50	8.4	µg/L	50	J	SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,2-Dichloropropane	ND	50	9.1	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
cis-1,3-Dichloropropene	ND	25	7.9	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
trans-1,3-Dichloropropene	ND	25	8.4	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,4-Dioxane	ND	2500	1000	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
2-Hexanone (MBK)	ND	500	56	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Isopropylbenzene (Cumene)	ND	50	5.4	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Methyl Acetate	ND	50	23	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	8.6	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Methyl Cyclohexane	ND	50	12	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Methylene Chloride	ND	250	12	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	64	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Styrene	ND	50	5.3	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,1,2,2-Tetrachloroethane	ND	25	6.3	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Tetrachloroethylene	ND	50	9.4	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Toluene	ND	50	11	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,2,3-Trichlorobenzene	ND	250	15	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,2,4-Trichlorobenzene	ND	50	12	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22G0685

Date Received: 7/13/2022

Field Sample #: Treatment Influent

Sampled: 7/12/2022 10:10

Sample ID: 22G0685-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	8.4	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,1,2-Trichloroethane	ND	50	9.1	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Trichloroethylene	1500	50	9.5	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Trichlorofluoromethane (Freon 11)	ND	100	8.8	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	11	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Vinyl Chloride	150	100	10	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	7/14/22	7/14/22 18:23	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	102	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22G0685

Date Received: 7/13/2022

Field Sample #: Trip Blank

Sampled: 7/12/2022 00:00

Sample ID: 22G0685-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,1,1,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22G0685

Date Received: 7/13/2022

Field Sample #: Trip Blank

Sampled: 7/12/2022 00:00

Sample ID: 22G0685-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/14/22	7/14/22 11:02	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	98.8	70-130	
4-Bromofluorobenzene	103	70-130	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B312956 - SW-846 5030B
Blank (B312956-BLK1)

Prepared & Analyzed: 07/14/22

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312956 - SW-846 5030B										
Blank (B312956-BLK1)										
Prepared & Analyzed: 07/14/22										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.1		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		µg/L	25.0		102	70-130			
LCS (B312956-BS1)										
Prepared & Analyzed: 07/14/22										
Acetone	97.8	50	µg/L	100		97.8	70-160			†
Benzene	9.57	1.0	µg/L	10.0		95.7	70-130			
Bromochloromethane	9.98	1.0	µg/L	10.0		99.8	70-130			
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130			
Bromoform	10.9	1.0	µg/L	10.0		109	70-130			
Bromomethane	10.6	2.0	µg/L	10.0		106	40-160			†
2-Butanone (MEK)	92.8	20	µg/L	100		92.8	40-160			†
Carbon Disulfide	144	5.0	µg/L	100		144 *	70-130			L-02, V-20
Carbon Tetrachloride	11.0	5.0	µg/L	10.0		110	70-130			
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
Chlorodibromomethane	11.0	0.50	µg/L	10.0		110	70-130			
Chloroethane	11.0	2.0	µg/L	10.0		110	70-130			
Chloroform	10.4	2.0	µg/L	10.0		104	70-130			
Chloromethane	9.27	2.0	µg/L	10.0		92.7	40-160			†
Cyclohexane	10.5	5.0	µg/L	10.0		105	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	10.1	5.0	µg/L	10.0		101	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130			
1,2-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130			
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Dichlorodifluoromethane (Freon 12)	11.7	2.0	µg/L	10.0		117	40-160		V-20	†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloroethane	9.30	1.0	µg/L	10.0		93.0	70-130			
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
cis-1,2-Dichloroethylene	9.97	1.0	µg/L	10.0		99.7	70-130			
trans-1,2-Dichloroethylene	9.36	1.0	µg/L	10.0		93.6	70-130			
1,2-Dichloropropane	9.89	1.0	µg/L	10.0		98.9	70-130			
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130			
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130			
1,4-Dioxane	108	50	µg/L	100		108	40-130			†
Ethylbenzene	10.9	1.0	µg/L	10.0		109	70-130			
2-Hexanone (MBK)	97.7	10	µg/L	100		97.7	70-160			†
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.0		109	70-130			
Methyl Acetate	14.1	1.0	µg/L	10.0		141 *	70-130			L-02, V-20
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130			
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130			
Methylene Chloride	10.5	5.0	µg/L	10.0		105	70-130			
4-Methyl-2-pentanone (MIBK)	97.7	10	µg/L	100		97.7	70-160			†
Styrene	11.2	1.0	µg/L	10.0		112	70-130			
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130			
Tetrachloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
Toluene	9.96	1.0	µg/L	10.0		99.6	70-130			
1,2,3-Trichlorobenzene	9.82	5.0	µg/L	10.0		98.2	70-130			
1,2,4-Trichlorobenzene	9.51	1.0	µg/L	10.0		95.1	70-130			
1,1,1-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312956 - SW-846 5030B										
LCS (B312956-BS1)										
Prepared & Analyzed: 07/14/22										
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.2	1.0	µg/L	10.0		132	* 70-130			L-07, V-20
Vinyl Chloride	12.4	2.0	µg/L	10.0		124	40-160			†
m+p Xylene	21.8	2.0	µg/L	20.0		109	70-130			
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130			
Xylenes (total)	32.8	1.0	µg/L	30.0		109	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.7		µg/L	25.0		94.7	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.0		104	70-130			
LCS Dup (B312956-BSD1)										
Prepared & Analyzed: 07/14/22										
Acetone	101	50	µg/L	100		101	70-160	2.81	25	†
Benzene	9.67	1.0	µg/L	10.0		96.7	70-130	1.04	25	
Bromochloromethane	10.1	1.0	µg/L	10.0		101	70-130	0.997	25	
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130	2.17	25	
Bromoform	11.1	1.0	µg/L	10.0		111	70-130	2.27	25	
Bromomethane	12.8	2.0	µg/L	10.0		128	40-160	18.4	25	†
2-Butanone (MEK)	95.0	20	µg/L	100		95.0	40-160	2.33	25	†
Carbon Disulfide	146	5.0	µg/L	100		146	* 70-130	1.58	25	L-02, V-20
Carbon Tetrachloride	11.0	5.0	µg/L	10.0		110	70-130	0.00	25	
Chlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	4.57	25	
Chlorodibromomethane	11.4	0.50	µg/L	10.0		114	70-130	2.95	25	
Chloroethane	11.8	2.0	µg/L	10.0		118	70-130	6.78	25	
Chloroform	10.9	2.0	µg/L	10.0		109	70-130	4.22	25	
Chloromethane	11.0	2.0	µg/L	10.0		110	40-160	17.5	25	†
Cyclohexane	10.7	5.0	µg/L	10.0		107	70-130	1.98	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.9	5.0	µg/L	10.0		109	70-130	8.29	25	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	1.68	25	
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	2.13	25	
1,3-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	4.98	25	
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130	4.18	25	
Dichlorodifluoromethane (Freon 12)	11.8	2.0	µg/L	10.0		118	40-160	0.766	25	V-20 †
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103	70-130	0.978	25	
1,2-Dichloroethane	9.63	1.0	µg/L	10.0		96.3	70-130	3.49	25	
1,1-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	1.30	25	
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	3.06	25	
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100	70-130	6.61	25	
1,2-Dichloropropane	9.81	1.0	µg/L	10.0		98.1	70-130	0.812	25	
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	0.378	25	
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	0.928	25	
1,4-Dioxane	110	50	µg/L	100		110	40-130	2.24	50	† ‡
Ethylbenzene	11.3	1.0	µg/L	10.0		113	70-130	4.06	25	
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160	5.29	25	†
Isopropylbenzene (Cumene)	11.2	1.0	µg/L	10.0		112	70-130	2.80	25	
Methyl Acetate	15.2	1.0	µg/L	10.0		152	* 70-130	7.45	25	L-02, V-20
Methyl tert-Butyl Ether (MTBE)	11.0	1.0	µg/L	10.0		110	70-130	4.82	25	
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	0.0927	25	
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130	1.79	25	
4-Methyl-2-pentanone (MIBK)	103	10	µg/L	100		103	70-160	5.43	25	†
Styrene	11.4	1.0	µg/L	10.0		114	70-130	2.48	25	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312956 - SW-846 5030B										
LCS Dup (B312956-BSD1)				Prepared & Analyzed: 07/14/22						
1,1,2,2-Tetrachloroethane	11.4	0.50	µg/L	10.0		114	70-130	6.31	25	
Tetrachloroethylene	10.8	1.0	µg/L	10.0		108	70-130	1.59	25	
Toluene	10.1	1.0	µg/L	10.0		101	70-130	1.59	25	
1,2,3-Trichlorobenzene	10.8	5.0	µg/L	10.0		108	70-130	9.23	25	
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	5.82	25	
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130	0.720	25	
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130	1.54	25	
Trichloroethylene	10.8	1.0	µg/L	10.0		108	70-130	1.02	25	
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130	0.521	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.9	1.0	µg/L	10.0		129	70-130	2.61	25	V-20
Vinyl Chloride	11.6	2.0	µg/L	10.0		116	40-160	6.43	25	†
m+p Xylene	22.5	2.0	µg/L	20.0		112	70-130	2.84	25	
o-Xylene	11.4	1.0	µg/L	10.0		114	70-130	3.49	25	
Xylenes (total)	33.8	1.0	µg/L	30.0		113	0-200	3.06		
Surrogate: 1,2-Dichloroethane-d4	24.1		µg/L	25.0		96.6	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B312919 - EPA 200.7
Blank (B312919-BLK1)

Prepared: 07/13/22 Analyzed: 08/02/22

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B312919-BS1)

Prepared: 07/13/22 Analyzed: 08/02/22

Aluminum	0.502	0.050	mg/L	0.500		100	85-115			
Iron	4.34	0.050	mg/L	4.00		109	85-115			
Zinc	1.07	0.010	mg/L	1.00		107	85-115			

LCS Dup (B312919-BSD1)

Prepared: 07/13/22 Analyzed: 08/02/22

Aluminum	0.517	0.050	mg/L	0.500		103	85-115	3.00	20	
Iron	4.33	0.050	mg/L	4.00		108	85-115	0.369	20	
Zinc	1.10	0.010	mg/L	1.00		110	85-115	2.56	20	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313903 - EPA 1664B										
Blank (B313903-BLK1)				Prepared & Analyzed: 07/27/22						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B313903-BLK2)				Prepared & Analyzed: 07/27/22						
Oil & Grease (HEM)	ND	28	mg/L							
LCS (B313903-BS1)				Prepared & Analyzed: 07/27/22						
Oil & Grease (HEM)	18	1.4	mg/L	20.0		92.5	78-114			
LCS (B313903-BS2)				Prepared & Analyzed: 07/27/22						
Oil & Grease (HEM)	350	28	mg/L	400		86.5	78-114			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Drinking Water</i>	
Aluminum	NH,NY,CT,ME,VA,MA
Iron	CT,NH,NY,RI,ME,VA,MA
Zinc	CT,NH,NY,RI,ME,VA,MA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022



CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

DEC Site #: 907016

PAGE 1 OF 1

Bottle Order Control #

071222

Lab Job #

CLIENT/REPORTING INFORMATION				PROJECT INFORMATION				BILLING INFORMATION				REQUESTED ANALYSIS (See Test Code sheet)				LAB USE ONLY	
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221 Phone #: 800-287-7857 Thomas Palmer TPalmer@gesonline.com GESInbox@GESonline.com 866-902-2187 fax				Project Name: NYSDEC/Frewsburg/NY/FalconerSt/300 Project Address: 300 Falconer Street, Frewsburg, NY Project PSID #:				DEC Lab Callout ID: 142802 DEC PM: Damianos Skaros Invoice Instructions (Project #/ Phase / Task / Altorg) NYSDEC Site No. 907016 Lab Project Manager: Michel Buttrick				8260 - TCLVOCs OLM04.2 list 1664A - calc - oil & grease 200.7 - Total Al, Fe, Zn					
Sample(s) Name:				Sampler(s) Name:				number of preserved bottles									
Lab Sample #	Field ID / Point of Collection (Sys Loc code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	DI Water	MEOH	ENCORE	Amber		
1	Treatment Effluent		7/12	1000	WZ	WG	5	2		1	2					X	
2	Treatment Influent		7/12	1010	WZ	WG	3	2								X	
3	Trip Blank		7/12	-		WG	3	2								X	

Laboratory Information

Turnaround Time (Business Days) Approved By (Lab PM) / Date
☒ Standard 14 Days
☐ 1 day RUSH
☐ Other
 Lab: Pace Analytical Services
 Address: 39 Spruce St, East Longmeadow, MA 01028
 Phone: 518-608-1036
 Lab PM: Michael Buttrick
 Lab PM Email:

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
☐ Commercial 'B' (Level 2) = Results + QC Summary
☐ FULLT1 (Level 3 & 4)
☐ NJ Reduced = Results + QC Summary + Partial Raw Data
☐ Commercial 'C'
☐ NJ Data of Known Quality Protocol Reporting
☐ NYASP Category A
☒ NYASP Category B
☐ State Forms
☐ EDD Format
☒ Other: NYSDEC EDD FOR NYSDEC EQUIS

Please Email the EQ EDD Package to ges@gesonline.com

EQEDD Name: NYSDEC/Buffalo/NY/MainSt/2929-2939_LabReport#30987.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	
1	7/12/12 1300	1	S.9 7/13 923
Relinquished By:	Date / Time:	Received By:	
2		2	
Relinquished By:	Date / Time:	Received By:	
3		3	
Custody Seal Number:	Intact	Preserved where applicable	

(https://www.fedex.com/en-us/home.html)



FedEx® Tracking



DELIVERED

Wednesday

7/13/2022 at 9:23 am

Signed for by: R.PETRAITIS

↓ Obtain Proof of delivery

DELIVERY STATUS

Delivered

✉ Get Status Updates

TRACKING ID

275441466054

FROM

EAST LONGMEADOW, MA US

Label Created

7/12/2022 12:00

PACKAGE RECEIVED BY FEDEX

JAMESTOWN, NY

7/12/2022 13:00

IN TRANSIT

WINDSOR LOCKS, CT

7/13/2022 08:07

OUT FOR DELIVERY

WINDSOR LOCKS, CT

7/13/2022 08:15

DELIVERED

EAST LONGMEADOW, MA US

DELIVERED

7/13/2022 at 9:23 AM

↓ View travel history

Manage Delivery



Shipment facts

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples _____

Pace

Doc# 277 Rev 5 2017

Pace

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False
Statement will be brought to the attention of the Client - State True or False

Client NY-GES

Received By 2 Date 7/13 Time 923

How were the samples received? In Cooler ✓ No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 5.9
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished? T Does Chain Agree With Samples? r

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client T Analysis T Sampler Name F
pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? F

Proper Media/Containers Used? T

Were trip blanks received? T

Do all samples have the proper pH? _____

Who was notified? _____

Who was notified? _____

Who was notified? _____

MS/MSD? F

Is splitting samples required? F

On COC? T

Acid T Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>2</u>	1 Liter Plastic		16 oz Amb.	
HCL-	<u>2</u>	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	<u>1</u>	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

August 24, 2022

Thomas Palmer
NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221

Project Location: 300 Falconer St, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22H0526

Enclosed are results of analyses for samples as received by the laboratory on August 10, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221
ATTN: Thomas Palmer

REPORT DATE: 8/24/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22H0526

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22H0526-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	22H0526-02	Ground Water		SW-846 8260D	
Trip Blank	22H0526-03	Ground Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D**Qualifications:**

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**Vinyl Chloride**

B314932-BS1, B314932-BSD1, S075203-CCV1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Carbon Disulfide**

B314932-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22H0526-02[Treatment Influent]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**1,2-Dibromo-3-chloropropane (DBP)**

22H0526-01[Treatment Effluent], 22H0526-02[Treatment Influent], 22H0526-03[Trip Blank], B314932-BLK1, B314932-BS1, B314932-BSD1, S075203-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Vinyl Chloride**

B314932-BS1, B314932-BSD1, S075203-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22H0526

Date Received: 8/10/2022

Field Sample #: Treatment Effluent

Sampled: 8/9/2022 12:30

Sample ID: 22H0526-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.8	50	2.0	µg/L	1	J	SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
cis-1,2-Dichloroethylene	0.40	1.0	0.15	µg/L	1	J	SW-846 8260D	8/11/22	8/11/22 14:14	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22H0526

Date Received: 8/10/2022

Field Sample #: Treatment Effluent

Sampled: 8/9/2022 12:30

Sample ID: 22H0526-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/11/22	8/11/22 14:14	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.2	70-130	
Toluene-d8	96.9	70-130	
4-Bromofluorobenzene	102	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22H0526

Date Received: 8/10/2022

Field Sample #: Treatment Effluent

Sampled: 8/9/2022 12:30

Sample ID: 22H0526-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		EPA 200.7	8/11/22	8/16/22 23:07	QNW
Iron	1.8	0.050	0.019	mg/L	1		EPA 200.7	8/11/22	8/16/22 2:07	QNW
Zinc	0.025	0.010	0.0042	mg/L	1		EPA 200.7	8/11/22	8/16/22 2:07	QNW

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22H0526

Date Received: 8/10/2022

Field Sample #: Treatment Effluent

Sampled: 8/9/2022 12:30

Sample ID: 22H0526-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	0.41	mg/L	1		EPA 1664B	8/23/22	8/23/22 12:04	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22H0526

Date Received: 8/10/2022

Field Sample #: Treatment Influent

Sampled: 8/9/2022 12:35

Sample ID: 22H0526-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2500	100	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Benzene	ND	50	10	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Bromochloromethane	ND	50	15	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Bromodichloromethane	ND	25	9.0	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Bromoform	ND	100	19	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Bromomethane	ND	100	77	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
2-Butanone (MEK)	ND	1000	81	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Carbon Disulfide	ND	250	72	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Carbon Tetrachloride	ND	250	8.2	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Chlorobenzene	ND	50	5.3	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Chlorodibromomethane	ND	25	11	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Chloroethane	ND	100	16	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Chloroform	ND	100	8.4	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Chloromethane	ND	100	26	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Cyclohexane	ND	250	88	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	40	µg/L	50	V-05	SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,2-Dibromoethane (EDB)	ND	25	8.5	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,2-Dichlorobenzene	ND	50	6.1	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,3-Dichlorobenzene	ND	50	5.9	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,4-Dichlorobenzene	ND	50	6.5	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	100	9.6	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,1-Dichloroethane	ND	50	7.1	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,2-Dichloroethane	ND	50	15	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,1-Dichloroethylene	9.5	50	7.1	µg/L	50	J	SW-846 8260D	8/11/22	8/11/22 19:40	EEH
cis-1,2-Dichloroethylene	4100	50	7.3	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
trans-1,2-Dichloroethylene	16	50	8.4	µg/L	50	J	SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,2-Dichloropropane	ND	50	9.1	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
cis-1,3-Dichloropropene	ND	25	7.9	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
trans-1,3-Dichloropropene	ND	25	8.4	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,4-Dioxane	ND	2500	1000	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Ethylbenzene	ND	50	11	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
2-Hexanone (MBK)	ND	500	56	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Isopropylbenzene (Cumene)	ND	50	5.4	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Methyl Acetate	ND	50	23	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	50	8.6	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Methyl Cyclohexane	ND	50	12	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Methylene Chloride	ND	250	12	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	500	64	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Styrene	ND	50	5.3	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,1,2,2-Tetrachloroethane	ND	25	6.3	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Tetrachloroethylene	ND	50	9.4	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Toluene	ND	50	11	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,2,3-Trichlorobenzene	ND	250	15	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,2,4-Trichlorobenzene	ND	50	12	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22H0526

Date Received: 8/10/2022

Field Sample #: Treatment Influent

Sampled: 8/9/2022 12:35

Sample ID: 22H0526-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	50	8.4	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,1,2-Trichloroethane	ND	50	9.1	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Trichloroethylene	1600	50	9.5	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Trichlorofluoromethane (Freon 11)	ND	100	8.8	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	100	11	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Vinyl Chloride	590	100	10	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH
Xylenes (total)	ND	50	50	µg/L	50		SW-846 8260D	8/11/22	8/11/22 19:40	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	92.4	70-130	
Toluene-d8	97.1	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22H0526

Date Received: 8/10/2022

Field Sample #: Trip Blank

Sampled: 8/9/2022 00:00

Sample ID: 22H0526-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22H0526

Date Received: 8/10/2022

Field Sample #: Trip Blank

Sampled: 8/9/2022 00:00

Sample ID: 22H0526-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/11/22	8/11/22 13:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.2	70-130	
Toluene-d8	97.3	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
22H0526-01 [Treatment Effluent]	B315663	1000	08/23/22

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22H0526-01 [Treatment Effluent]	B314966	50.0	50.0	08/11/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22H0526-01 [Treatment Effluent]	B314932	5	5.00	08/11/22
22H0526-02 [Treatment Influent]	B314932	0.1	5.00	08/11/22
22H0526-03 [Trip Blank]	B314932	5	5.00	08/11/22

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B314932 - SW-846 5030B										
Blank (B314932-BLK1)				Prepared & Analyzed: 08/11/22						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B314932 - SW-846 5030B										
Blank (B314932-BLK1)				Prepared & Analyzed: 08/11/22						
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.3		µg/L	25.0		93.1	70-130			
Surrogate: Toluene-d8	24.1		µg/L	25.0		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			
LCS (B314932-BS1)				Prepared & Analyzed: 08/11/22						
Acetone	86.2	50	µg/L	100		86.2	70-160			†
Benzene	9.94	1.0	µg/L	10.0		99.4	70-130			
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130			
Bromodichloromethane	11.1	0.50	µg/L	10.0		111	70-130			
Bromoform	10.9	1.0	µg/L	10.0		109	70-130			
Bromomethane	10.3	2.0	µg/L	10.0		103	40-160			†
2-Butanone (MEK)	94.8	20	µg/L	100		94.8	40-160			†
Carbon Disulfide	134	5.0	µg/L	100		134 *	70-130			L-07
Carbon Tetrachloride	11.2	5.0	µg/L	10.0		112	70-130			
Chlorobenzene	11.2	1.0	µg/L	10.0		112	70-130			
Chlorodibromomethane	11.5	0.50	µg/L	10.0		115	70-130			
Chloroethane	11.2	2.0	µg/L	10.0		112	70-130			
Chloroform	10.5	2.0	µg/L	10.0		105	70-130			
Chloromethane	10.8	2.0	µg/L	10.0		108	40-160			†
Cyclohexane	11.5	5.0	µg/L	10.0		115	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.46	5.0	µg/L	10.0		94.6	70-130			V-05
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0		107	70-130			
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130			
1,3-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130			
1,4-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
Dichlorodifluoromethane (Freon 12)	9.70	2.0	µg/L	10.0		97.0	40-160			†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1-Dichloroethylene	9.83	1.0	µg/L	10.0		98.3	70-130			
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130			
trans-1,2-Dichloroethylene	9.91	1.0	µg/L	10.0		99.1	70-130			
1,2-Dichloropropane	11.5	1.0	µg/L	10.0		115	70-130			
cis-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
trans-1,3-Dichloropropene	11.0	0.50	µg/L	10.0		110	70-130			
1,4-Dioxane	93.1	50	µg/L	100		93.1	40-130			†
Ethylbenzene	11.9	1.0	µg/L	10.0		119	70-130			
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160			†
Isopropylbenzene (Cumene)	11.8	1.0	µg/L	10.0		118	70-130			
Methyl Acetate	12.5	1.0	µg/L	10.0		125	70-130			
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130			
Methyl Cyclohexane	11.9	1.0	µg/L	10.0		119	70-130			
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130			
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160			†
Styrene	11.5	1.0	µg/L	10.0		115	70-130			
1,1,2,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111	70-130			
Tetrachloroethylene	12.4	1.0	µg/L	10.0		124	70-130			
Toluene	10.8	1.0	µg/L	10.0		108	70-130			
1,2,3-Trichlorobenzene	11.9	5.0	µg/L	10.0		119	70-130			
1,2,4-Trichlorobenzene	11.5	1.0	µg/L	10.0		115	70-130			
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B314932 - SW-846 5030B										
LCS (B314932-BS1)										
Prepared & Analyzed: 08/11/22										
1,1,2-Trichloroethane	11.4	1.0	µg/L	10.0		114	70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Trichlorofluoromethane (Freon 11)	9.81	2.0	µg/L	10.0		98.1	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5	1.0	µg/L	10.0		115	70-130			
Vinyl Chloride	33.0	2.0	µg/L	10.0		330	* 40-160			L-02, V-20 †
m+p Xylene	23.5	2.0	µg/L	20.0		118	70-130			
o-Xylene	11.9	1.0	µg/L	10.0		119	70-130			
Xylenes (total)	35.4	1.0	µg/L	30.0		118	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.4		µg/L	25.0		93.8	70-130			
Surrogate: Toluene-d8	24.2		µg/L	25.0		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	26.7		µg/L	25.0		107	70-130			
LCS Dup (B314932-BSD1)										
Prepared & Analyzed: 08/11/22										
Acetone	73.9	50	µg/L	100		73.9	70-160	15.3	25	†
Benzene	9.67	1.0	µg/L	10.0		96.7	70-130	2.75	25	
Bromochloromethane	11.1	1.0	µg/L	10.0		111	70-130	2.73	25	
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130	3.96	25	
Bromoform	12.0	1.0	µg/L	10.0		120	70-130	9.17	25	
Bromomethane	10.4	2.0	µg/L	10.0		104	40-160	0.869	25	†
2-Butanone (MEK)	91.4	20	µg/L	100		91.4	40-160	3.60	25	†
Carbon Disulfide	128	5.0	µg/L	100		128	70-130	4.18	25	
Carbon Tetrachloride	11.1	5.0	µg/L	10.0		111	70-130	0.539	25	
Chlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	2.26	25	
Chlorodibromomethane	11.1	0.50	µg/L	10.0		111	70-130	3.10	25	
Chloroethane	10.6	2.0	µg/L	10.0		106	70-130	5.34	25	
Chloroform	10.4	2.0	µg/L	10.0		104	70-130	1.53	25	
Chloromethane	11.8	2.0	µg/L	10.0		118	40-160	8.89	25	†
Cyclohexane	11.0	5.0	µg/L	10.0		110	70-130	3.99	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.58	5.0	µg/L	10.0		95.8	70-130	1.26	25	V-05
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	0.743	25	
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	2.89	25	
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	3.28	25	
1,4-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.59	25	
Dichlorodifluoromethane (Freon 12)	9.29	2.0	µg/L	10.0		92.9	40-160	4.32	25	†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	3.47	25	
1,2-Dichloroethane	9.90	1.0	µg/L	10.0		99.0	70-130	1.80	25	
1,1-Dichloroethylene	8.70	1.0	µg/L	10.0		87.0	70-130	12.2	25	
cis-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	4.26	25	
trans-1,2-Dichloroethylene	9.51	1.0	µg/L	10.0		95.1	70-130	4.12	25	
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130	2.46	25	
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	3.33	25	
trans-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107	70-130	3.32	25	
1,4-Dioxane	89.6	50	µg/L	100		89.6	40-130	3.80	50	† ‡
Ethylbenzene	11.3	1.0	µg/L	10.0		113	70-130	4.66	25	
2-Hexanone (MBK)	103	10	µg/L	100		103	70-160	0.762	25	†
Isopropylbenzene (Cumene)	11.2	1.0	µg/L	10.0		112	70-130	5.74	25	
Methyl Acetate	12.8	1.0	µg/L	10.0		128	70-130	2.69	25	
Methyl tert-Butyl Ether (MTBE)	9.99	1.0	µg/L	10.0		99.9	70-130	1.19	25	
Methyl Cyclohexane	11.2	1.0	µg/L	10.0		112	70-130	6.68	25	
Methylene Chloride	10.3	5.0	µg/L	10.0		103	70-130	1.64	25	
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105	70-160	0.0191	25	†
Styrene	11.0	1.0	µg/L	10.0		110	70-130	4.55	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B314932 - SW-846 5030B										
LCS Dup (B314932-BSD1)				Prepared & Analyzed: 08/11/22						
1,1,2,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111	70-130	0.360	25	
Tetrachloroethylene	11.7	1.0	µg/L	10.0		117	70-130	5.23	25	
Toluene	10.4	1.0	µg/L	10.0		104	70-130	3.11	25	
1,2,3-Trichlorobenzene	11.7	5.0	µg/L	10.0		117	70-130	1.69	25	
1,2,4-Trichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	6.38	25	
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	1.48	25	
1,1,2-Trichloroethane	11.5	1.0	µg/L	10.0		115	70-130	0.964	25	
Trichloroethylene	11.1	1.0	µg/L	10.0		111	70-130	1.07	25	
Trichlorofluoromethane (Freon 11)	8.65	2.0	µg/L	10.0		86.5	70-130	12.6	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	1.0	µg/L	10.0		111	70-130	3.71	25	
Vinyl Chloride	30.6	2.0	µg/L	10.0		306	* 40-160	7.57	25	L-02, V-20 †
m+p Xylene	22.8	2.0	µg/L	20.0		114	70-130	3.11	25	
o-Xylene	11.6	1.0	µg/L	10.0		116	70-130	2.30	25	
Xylenes (total)	34.4	1.0	µg/L	30.0		115	0-200	2.84		
Surrogate: 1,2-Dichloroethane-d4	23.3		µg/L	25.0		93.2	70-130			
Surrogate: Toluene-d8	24.1		µg/L	25.0		96.2	70-130			
Surrogate: 4-Bromofluorobenzene	26.5		µg/L	25.0		106	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B314966 - EPA 200.7
Blank (B314966-BLK1)

Prepared: 08/11/22 Analyzed: 08/16/22

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	0.0051	0.010	mg/L							J

LCS (B314966-BS1)

Prepared: 08/11/22 Analyzed: 08/16/22

Aluminum	0.506	0.050	mg/L	0.500		101	85-115			
Iron	3.83	0.050	mg/L	4.00		95.7	85-115			
Zinc	1.07	0.010	mg/L	1.00		107	85-115			

LCS Dup (B314966-BSD1)

Prepared: 08/11/22 Analyzed: 08/16/22

Aluminum	0.496	0.050	mg/L	0.500		99.3	85-115	2.03	20	
Iron	3.76	0.050	mg/L	4.00		94.0	85-115	1.81	20	
Zinc	1.10	0.010	mg/L	1.00		110	85-115	2.77	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B315663 - EPA 1664B								
Blank (B315663-BLK1)				Prepared & Analyzed: 08/23/22				
Oil & Grease (HEM)	ND	1.4	mg/L					
Blank (B315663-BLK2)				Prepared & Analyzed: 08/23/22				
Oil & Grease (HEM)	ND	28	mg/L					
LCS (B315663-BS1)				Prepared & Analyzed: 08/23/22				
Oil & Grease (HEM)	20	1.4	mg/L	20.0	101	78-114		
LCS (B315663-BS2)				Prepared & Analyzed: 08/23/22				
Oil & Grease (HEM)	350	28	mg/L	400	87.5	78-114		

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY

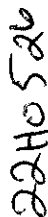
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022



**Client: New York State Dept. of
Environmental Conservation**

**Client: New York State Dept. of
Environmental Conservation**

PAGE 1 OF 1

Bottle Order Control #

DEC Site #: 907016

[illegible]

Turnaround Time (Business Days) Approved By (Lab PM) / Date

Standard 14 Days

1 day RUSH

Other

Please Email the EQ EDD Package to gus@equisonline.com

EQEDD Name: NYSDEC/Buffalo/NY/MainSt/2929-2939_LabReport#.30987.EQEDD.zip

Lab: Pace Analy

Address: 39 Spruce

Phone: 518-608-1000

Sub PM: Michael Bu

EM Email:

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longm

Phone: 518-608-1036

b PM: Michael Buttrick

M Email: _____

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

b PM: Michael Buttrick

E Mail: _____

Data Deliverable Information

Commercial 'A' (Level 1) = Results Only

Commercial "B" (Level 2) = Results + QC Summary

NULLT1 (level 3 & 4)

JJ Reduced = Results + QC Summary + Partial Raw Data

Commercial 'C'

4.1.1 Data of Known Quality Protocol Reporting

NYASP Category A

NYASp Category B

State Forms

DD Format

Other NYSDEC EDD FOR NYSDEC EQS

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By : 1		Date / Time : 1 8/9 1420	Received By : 1  810 927
Relinquished By : 2		Date / Time : 2	Received By : 2
Relinquished By : 3		Date / Time : 3	Received By : 3
Custody Seal Number:		Intact	Preserved where applicable

(https://www.fedex.com/en-us/home.html)



FedEx® Tracking



DELIVERED

Wednesday

8/10/2022 at 9:27 am

Signed for by: R.PETRAITIS

↓ Obtain Proof of delivery

DELIVERY STATUS

Delivered

✉ Get Status Updates

TRACKING ID

791282708904

FROM

WILLIAMSVILLE, NY US

Label Created

7/28/2022 11:40

PACKAGE RECEIVED BY FEDEX

JAMESTOWN, NY

8/9/2022 13:52

IN TRANSIT

WINDSOR LOCKS, CT

8/10/2022 07:30

OUT FOR DELIVERY

WINDSOR LOCKS, CT

8/10/2022 07:42

DELIVERED

East Longmeadow, MA US

DELIVERED

8/10/2022 at 9:27 AM

↓ View travel history

Manage Delivery



Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com



Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client GES
 Received By JR Date 8/10 Time 927
 How were the samples received? In Cooler T No Cooler On Ice T No Ice
 Direct From Sample Ambient Melted Ice
 Were samples within Temperature? Within 2-6°C T By Gun # 3 Actual Temp - 3.0
 By Blank # Actual Temp -
 Was Custody Seal In tact? MA Were Samples Tampered with? MA
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all Client? T Analysis? T Sampler Name? F
 pertinent Information? Project? T ID's? T Collection Dates/Times? T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified?
 Are there Rushes? F Who was notified?
 Are there Short Holds? F Who was notified?
 Samples are received within holding time? T Is there enough Volume? T
 Is there Headspace where applicable? F MS/MSD? F
 Proper Media/Containers Used? T splitting samples require F
 Were trip blanks receive T On COC? T
 Do All Samples Have the proper pH? MA Acid Base

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.	<u>2</u>	1 Liter Plastic	16 oz Amb.
HCL-	<u>6</u>	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

September 26, 2022

Thomas Palmer
NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221

Project Location: 300 Falconer St, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22I0691

Enclosed are results of analyses for samples as received by the laboratory on September 14, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221
ATTN: Thomas Palmer

REPORT DATE: 9/26/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 2210691

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment EFF	2210691-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment INF	2210691-02	Ground Water		SW-846 8260D	
Trip Blank	2210691-03	Trip Blank Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D**Qualifications:**

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**Methyl Acetate**

B317265-BS1, B317265-BSD1

L-06

Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Vinyl Chloride**

22I0691-02[Treatment INF], B317265-BS1, B317265-BSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22I0691-02[Treatment INF]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:**trans-1,2-Dichloroethylene**

22I0691-02[Treatment INF], B317265-BS1, B317265-BSD1, S076593-CCV1

Vinyl Chloride

22I0691-02[Treatment INF], B317265-BS1, B317265-BSD1, S076593-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**2-Hexanone (MBK)**

B317265-BS1, B317265-BSD1, S076593-CCV1

4-Methyl-2-pentanone (MIBK)

B317265-BS1, B317265-BSD1, S076593-CCV1

Carbon Disulfide

B317265-BS1, B317265-BSD1, S076593-CCV1

Cyclohexane

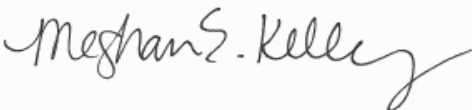
B317265-BS1, B317265-BSD1, S076593-CCV1

Methyl Acetate

B317265-BS1, B317265-BSD1, S076593-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 2210691

Date Received: 9/14/2022

Field Sample #: Treatment EFF

Sampled: 9/13/2022 09:30

Sample ID: 2210691-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	9.7	50	2.0	µg/L	1	J	SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 2210691

Date Received: 9/14/2022

Field Sample #: Treatment EFF

Sampled: 9/13/2022 09:30

Sample ID: 2210691-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/15/22	9/15/22 16:06	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	101	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 2210691

Date Received: 9/14/2022

Field Sample #: Treatment EFF

Sampled: 9/13/2022 09:30

Sample ID: 2210691-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		EPA 200.7	9/21/22	9/22/22 18:42	ATP
Iron	0.057	0.050	0.019	mg/L	1		EPA 200.7	9/21/22	9/22/22 18:42	ATP
Zinc	0.014	0.010	0.0042	mg/L	1		EPA 200.7	9/21/22	9/22/22 18:42	ATP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 2210691

Date Received: 9/14/2022

Field Sample #: Treatment EFF

Sampled: 9/13/2022 09:30

Sample ID: 2210691-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	1.0	1.4	0.42	mg/L	1	J	EPA 1664B	9/22/22	9/22/22 12:35	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 2210691

Date Received: 9/14/2022

Field Sample #: Treatment INF

Sampled: 9/13/2022 09:45

Sample ID: 2210691-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	10	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Benzene	ND	5.0	1.0	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Bromochloromethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Bromodichloromethane	ND	2.5	0.90	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Bromoform	ND	10	1.9	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Bromomethane	ND	10	7.7	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
2-Butanone (MEK)	ND	100	8.1	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Carbon Disulfide	ND	25	7.2	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Carbon Tetrachloride	ND	25	0.82	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Chlorobenzene	ND	5.0	0.53	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Chlorodibromomethane	ND	2.5	1.1	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Chloroethane	ND	10	1.6	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Chloroform	ND	10	0.84	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Chloromethane	ND	10	2.6	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Cyclohexane	ND	25	8.8	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	4.0	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,2-Dibromoethane (EDB)	ND	2.5	0.85	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,2-Dichlorobenzene	ND	5.0	0.61	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,3-Dichlorobenzene	ND	5.0	0.59	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,4-Dichlorobenzene	ND	5.0	0.65	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	0.96	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,1-Dichloroethane	ND	5.0	0.71	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,2-Dichloroethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,1-Dichloroethylene	2.2	5.0	0.71	µg/L	5	J	SW-846 8260D	9/15/22	9/15/22 22:29	EEH
cis-1,2-Dichloroethylene	520	5.0	0.73	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
trans-1,2-Dichloroethylene	3.0	5.0	0.84	µg/L	5	V-06, J	SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,2-Dichloropropane	ND	5.0	0.91	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
cis-1,3-Dichloropropene	ND	2.5	0.79	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
trans-1,3-Dichloropropene	ND	2.5	0.84	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,4-Dioxane	ND	250	100	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Ethylbenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
2-Hexanone (MBK)	ND	50	5.6	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Isopropylbenzene (Cumene)	ND	5.0	0.54	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Methyl Acetate	ND	5.0	2.3	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.86	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Methyl Cyclohexane	ND	5.0	1.2	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Methylene Chloride	ND	25	1.2	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	6.4	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Styrene	ND	5.0	0.53	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	0.63	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Tetrachloroethylene	ND	5.0	0.94	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Toluene	ND	5.0	1.1	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,2,3-Trichlorobenzene	ND	25	1.5	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,2,4-Trichlorobenzene	ND	5.0	1.2	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 2210691

Date Received: 9/14/2022

Field Sample #: Treatment INF

Sampled: 9/13/2022 09:45

Sample ID: 2210691-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	5.0	0.84	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,1,2-Trichloroethane	ND	5.0	0.91	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Trichloroethylene	15	5.0	0.95	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Trichlorofluoromethane (Freon 11)	ND	10	0.88	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	1.1	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Vinyl Chloride	38	10	1.0	µg/L	5	L-06, V-06	SW-846 8260D	9/15/22	9/15/22 22:29	EEH
Xylenes (total)	ND	5.0	5.0	µg/L	5		SW-846 8260D	9/15/22	9/15/22 22:29	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	98.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 2210691

Date Received: 9/14/2022

Field Sample #: Trip Blank

Sampled: 9/13/2022 00:00

Sample ID: 2210691-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Chloroform	0.19	2.0	0.17	µg/L	1	J	SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 2210691

Date Received: 9/14/2022

Field Sample #: Trip Blank

Sampled: 9/13/2022 00:00

Sample ID: 2210691-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	9/15/22	9/15/22 15:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	99.1	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
22I0691-01 [Treatment EFF]	B317811	970	09/22/22

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I0691-01 [Treatment EFF]	B317577	50.0	50.0	09/21/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22I0691-01 [Treatment EFF]	B317265	5	5.00	09/15/22
22I0691-02 [Treatment INF]	B317265	1	5.00	09/15/22
22I0691-03 [Trip Blank]	B317265	5	5.00	09/15/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B317265 - SW-846 5030B
Blank (B317265-BLK1)

Prepared & Analyzed: 09/15/22

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B317265 - SW-846 5030B										
Blank (B317265-BLK1)				Prepared & Analyzed: 09/15/22						
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.4		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	24.9		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.0		99.2	70-130			
LCS (B317265-BS1)				Prepared & Analyzed: 09/15/22						
Acetone	115	50	µg/L	100		115	70-160			†
Benzene	9.08	1.0	µg/L	10.0		90.8	70-130			
Bromochloromethane	11.3	1.0	µg/L	10.0		113	70-130			
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130			
Bromoform	9.79	1.0	µg/L	10.0		97.9	70-130			
Bromomethane	11.6	2.0	µg/L	10.0		116	40-160			†
2-Butanone (MEK)	129	20	µg/L	100		129	40-160			†
Carbon Disulfide	116	5.0	µg/L	100		116	70-130			V-20
Carbon Tetrachloride	9.35	5.0	µg/L	10.0		93.5	70-130			
Chlorobenzene	9.67	1.0	µg/L	10.0		96.7	70-130			
Chlorodibromomethane	9.92	0.50	µg/L	10.0		99.2	70-130			
Chloroethane	11.6	2.0	µg/L	10.0		116	70-130			
Chloroform	9.74	2.0	µg/L	10.0		97.4	70-130			
Chloromethane	12.2	2.0	µg/L	10.0		122	40-160			†
Cyclohexane	11.4	5.0	µg/L	10.0		114	70-130			V-20
1,2-Dibromo-3-chloropropane (DBCP)	10.8	5.0	µg/L	10.0		108	70-130			
1,2-Dibromoethane (EDB)	9.84	0.50	µg/L	10.0		98.4	70-130			
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,4-Dichlorobenzene	9.85	1.0	µg/L	10.0		98.5	70-130			
Dichlorodifluoromethane (Freon 12)	8.36	2.0	µg/L	10.0		83.6	40-160			†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1-Dichloroethylene	9.88	1.0	µg/L	10.0		98.8	70-130			
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			V-06
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130			
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130			
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130			
1,4-Dioxane	119	50	µg/L	100		119	40-130			†
Ethylbenzene	10.1	1.0	µg/L	10.0		101	70-130			
2-Hexanone (MBK)	134	10	µg/L	100		134	70-160			V-20 †
Isopropylbenzene (Cumene)	9.87	1.0	µg/L	10.0		98.7	70-130			
Methyl Acetate	19.2	1.0	µg/L	10.0		192 *	70-130			L-02, V-20
Methyl tert-Butyl Ether (MTBE)	11.1	1.0	µg/L	10.0		111	70-130			
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130			
Methylene Chloride	11.3	5.0	µg/L	10.0		113	70-130			
4-Methyl-2-pentanone (MIBK)	136	10	µg/L	100		136	70-160			V-20 †
Styrene	10.1	1.0	µg/L	10.0		101	70-130			
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107	70-130			
Tetrachloroethylene	9.70	1.0	µg/L	10.0		97.0	70-130			
Toluene	9.56	1.0	µg/L	10.0		95.6	70-130			
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0		101	70-130			
1,2,4-Trichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130			
1,1,1-Trichloroethane	9.45	1.0	µg/L	10.0		94.5	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B317265 - SW-846 5030B										
LCS (B317265-BS1)										
Prepared & Analyzed: 09/15/22										
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	9.12	2.0	µg/L	10.0		91.2	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7	1.0	µg/L	10.0		117	70-130			
Vinyl Chloride	22.5	2.0	µg/L	10.0		225 *	40-160			L-06, V-06 †
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130			
o-Xylene	10.0	1.0	µg/L	10.0		100	70-130			
Xylenes (total)	30.1	1.0	µg/L	30.0		100	0-200			
Surrogate: 1,2-Dichloroethane-d4	26.0		µg/L	25.0		104	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			
LCS Dup (B317265-BSD1)										
Prepared & Analyzed: 09/15/22										
Acetone	119	50	µg/L	100		119	70-160	3.39	25	†
Benzene	9.10	1.0	µg/L	10.0		91.0	70-130	0.220	25	
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130	0.887	25	
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130	2.92	25	
Bromoform	9.99	1.0	µg/L	10.0		99.9	70-130	2.02	25	
Bromomethane	11.9	2.0	µg/L	10.0		119	40-160	2.64	25	†
2-Butanone (MEK)	126	20	µg/L	100		126	40-160	1.95	25	†
Carbon Disulfide	117	5.0	µg/L	100		117	70-130	0.610	25	V-20
Carbon Tetrachloride	9.32	5.0	µg/L	10.0		93.2	70-130	0.321	25	
Chlorobenzene	9.60	1.0	µg/L	10.0		96.0	70-130	0.727	25	
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103	70-130	3.86	25	
Chloroethane	12.0	2.0	µg/L	10.0		120	70-130	3.05	25	
Chloroform	9.51	2.0	µg/L	10.0		95.1	70-130	2.39	25	
Chloromethane	14.0	2.0	µg/L	10.0		140	40-160	14.2	25	†
Cyclohexane	11.1	5.0	µg/L	10.0		111	70-130	2.59	25	V-20
1,2-Dibromo-3-chloropropane (DBCP)	11.1	5.0	µg/L	10.0		111	70-130	2.28	25	
1,2-Dibromoethane (EDB)	9.87	0.50	µg/L	10.0		98.7	70-130	0.304	25	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	0.0978	25	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.0993	25	
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.91	25	
Dichlorodifluoromethane (Freon 12)	8.33	2.0	µg/L	10.0		83.3	40-160	0.359	25	†
1,1-Dichloroethane	9.78	1.0	µg/L	10.0		97.8	70-130	3.12	25	
1,2-Dichloroethane	9.98	1.0	µg/L	10.0		99.8	70-130	1.39	25	
1,1-Dichloroethylene	9.83	1.0	µg/L	10.0		98.3	70-130	0.507	25	
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.93	25	
trans-1,2-Dichloroethylene	9.36	1.0	µg/L	10.0		93.6	70-130	15.9	25	V-06
1,2-Dichloropropane	11.2	1.0	µg/L	10.0		112	70-130	2.62	25	
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130	0.380	25	
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	1.05	25	
1,4-Dioxane	115	50	µg/L	100		115	40-130	3.38	50	† ‡
Ethylbenzene	9.76	1.0	µg/L	10.0		97.6	70-130	3.03	25	
2-Hexanone (MBK)	137	10	µg/L	100		137	70-160	2.18	25	V-20 †
Isopropylbenzene (Cumene)	9.76	1.0	µg/L	10.0		97.6	70-130	1.12	25	
Methyl Acetate	19.7	1.0	µg/L	10.0		197 *	70-130	2.88	25	L-02, V-20
Methyl tert-Butyl Ether (MTBE)	11.1	1.0	µg/L	10.0		111	70-130	0.00	25	
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130	0.381	25	
Methylene Chloride	11.6	5.0	µg/L	10.0		116	70-130	2.27	25	
4-Methyl-2-pentanone (MIBK)	136	10	µg/L	100		136	70-160	0.294	25	V-20 †
Styrene	9.88	1.0	µg/L	10.0		98.8	70-130	2.40	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B317265 - SW-846 5030B										
LCS Dup (B317265-BSD1)					Prepared & Analyzed: 09/15/22					
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130	2.76	25	
Tetrachloroethylene	9.70	1.0	µg/L	10.0		97.0	70-130	0.00	25	
Toluene	9.49	1.0	µg/L	10.0		94.9	70-130	0.735	25	
1,2,3-Trichlorobenzene	11.4	5.0	µg/L	10.0		114	70-130	12.8	25	
1,2,4-Trichlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	11.5	25	
1,1,1-Trichloroethane	9.39	1.0	µg/L	10.0		93.9	70-130	0.637	25	
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	0.468	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	1.27	25	
Trichlorofluoromethane (Freon 11)	9.20	2.0	µg/L	10.0		92.0	70-130	0.873	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5	1.0	µg/L	10.0		115	70-130	1.64	25	
Vinyl Chloride	22.6	2.0	µg/L	10.0		226 *	40-160	0.266	25	L-06, V-06 †
m+p Xylene	19.6	2.0	µg/L	20.0		97.8	70-130	2.42	25	
o-Xylene	9.95	1.0	µg/L	10.0		99.5	70-130	0.701	25	
Xylenes (total)	29.5	1.0	µg/L	30.0		98.4	0-200	1.85		
Surrogate: 1,2-Dichloroethane-d4	25.9		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B317577 - EPA 200.7										
Blank (B317577-BLK1)				Prepared: 09/21/22 Analyzed: 09/22/22						
Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B317577-BS1)				Prepared: 09/21/22 Analyzed: 09/22/22						
Aluminum	0.518	0.050	mg/L	0.500		104	85-115			
Iron	4.21	0.050	mg/L	4.00		105	85-115			
Zinc	1.07	0.010	mg/L	1.00		107	85-115			
LCS Dup (B317577-BSD1)				Prepared: 09/21/22 Analyzed: 09/22/22						
Aluminum	0.498	0.050	mg/L	0.500		99.7	85-115	3.84	20	
Iron	4.09	0.050	mg/L	4.00		102	85-115	2.85	20	
Zinc	1.05	0.010	mg/L	1.00		105	85-115	2.07	20	
Duplicate (B317577-DUP1)				Source: 2210691-01		Prepared: 09/21/22 Analyzed: 09/22/22				
Aluminum	ND	0.050	mg/L		ND			NC	20	
Iron	0.0587	0.050	mg/L		0.0571			2.76	20	
Zinc	0.0154	0.010	mg/L		0.0139			10.3	20	
Matrix Spike (B317577-MS1)				Source: 2210691-01		Prepared: 09/21/22 Analyzed: 09/22/22				
Aluminum	0.512	0.050	mg/L	0.500	ND	102	70-130			
Iron	4.15	0.050	mg/L	4.00	0.0571	102	70-130			
Zinc	1.01	0.010	mg/L	1.00	0.0139	99.9	70-130			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B317811 - EPA 1664B										
Blank (B317811-BLK1)				Prepared & Analyzed: 09/22/22						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B317811-BLK2)				Prepared & Analyzed: 09/22/22						
Oil & Grease (HEM)	ND	56	mg/L							
LCS (B317811-BS1)				Prepared & Analyzed: 09/22/22						
Oil & Grease (HEM)	18	1.4	mg/L	20.0		89.5	78-114			
LCS (B317811-BS2)				Prepared & Analyzed: 09/22/22						
Oil & Grease (HEM)	720	56	mg/L	800		90.0	78-114			
Matrix Spike (B317811-MS1)				Source: 22I0691-01		Prepared & Analyzed: 09/22/22				
Oil & Grease (HEM)	160	14	mg/L	200	ND	78.5	78-114			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-06	Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2023
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2023

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Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client GES
Received By LA Date 9/14/22 Time 950

How were the samples received? In Cooler T No Cooler F On Ice T No Ice F
Direct From Sample F Ambient F Melted Ice F

Were samples within Temperature? Within 2-6°C T By Gun # 5 Actual Temp - 3.1
By Blank # Actual Temp -

Was Custody Seal In tact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client? T Analysis? T Sampler Name? F
pertinent Information? Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? F Who was notified?
Are there Lab to Filters? F Who was notified?
Are there Rushes? F Who was notified?
Are there Short Holds? F Who was notified?

Samples are received within holding time? T Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? F
Proper Media/Containers Used? T splitting samples required? F
Were trip blanks receive F On COC? F
Do All Samples Have the proper pH? N/A Acid 7.2 Base

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.	<u>2</u>	1 Liter Plastic	16 oz Amb.
HCL-	<u>6</u>	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

October 31, 2022

Thomas Palmer
NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221

Project Location: 300 Falconer St, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22J1325

Enclosed are results of analyses for samples as received by the laboratory on October 11, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Williamsville, NY
415 Lawrence Bell Drive
Williamsville, NY 14221
ATTN: Thomas Palmer

REPORT DATE: 10/31/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22J1325

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer St, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22J1325-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	22J1325-02	Ground Water		SW-846 8260D	
Trip Blank	22J1325-03	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260D

Qualifications:**L-02**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethane**

B319569-BS1, B319569-BSD1, S077856-CCV1

Bromomethane

B319569-BS1, B319569-BSD1, S077856-CCV1

Carbon Disulfide

B319569-BS1, B319569-BSD1, S077856-CCV1

Methyl Acetate

B319569-BS1, B319569-BSD1, S077856-CCV1

L-06

Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**trans-1,2-Dichloroethylene**

22J1325-02[Treatment Influent], B319569-BS1, B319569-BSD1, S077856-CCV1

Vinyl Chloride

22J1325-02[Treatment Influent], B319569-BS1, B319569-BSD1, S077856-CCV1

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:**Methyl tert-Butyl Ether (MTBE)**

B319569-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**Methyl tert-Butyl Ether (MTBE)**

22J1325-01[Treatment Effluent], 22J1325-02[Treatment Influent], 22J1325-03[Trip Blank], B319569-BLK1, B319569-BS1, B319569-BSD1, S077856-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22J1325-02[Treatment Influent]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:**trans-1,2-Dichloroethylene**

22J1325-02[Treatment Influent], B319569-BS1, B319569-BSD1, S077856-CCV1

Vinyl Chloride

22J1325-02[Treatment Influent], B319569-BS1, B319569-BSD1, S077856-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethane**

B319569-BS1, B319569-BSD1, S077856-CCV1

Bromomethane

B319569-BS1, B319569-BSD1, S077856-CCV1

Carbon Disulfide

B319569-BS1, B319569-BSD1, S077856-CCV1

Methyl Acetate

B319569-BS1, B319569-BSD1, S077856-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22J1325

Date Received: 10/11/2022

Field Sample #: Treatment Effluent

Sampled: 10/10/2022 11:45

Sample ID: 22J1325-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	16	50	2.0	µg/L	1	J	SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1	R-05	SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22J1325

Date Received: 10/11/2022

Field Sample #: Treatment Effluent

Sampled: 10/10/2022 11:45

Sample ID: 22J1325-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/12/22	10/12/22 11:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	98.9	70-130	
4-Bromofluorobenzene	99.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22J1325

Date Received: 10/11/2022

Field Sample #: Treatment Effluent

Sampled: 10/10/2022 11:45

Sample ID: 22J1325-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		EPA 200.7	10/26/22	10/27/22 20:17	ATP
Iron	0.20	0.050	0.019	mg/L	1		EPA 200.7	10/26/22	10/27/22 20:17	ATP
Zinc	0.018	0.010	0.0042	mg/L	1		EPA 200.7	10/26/22	10/27/22 20:17	ATP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22J1325

Date Received: 10/11/2022

Field Sample #: Treatment Effluent

Sampled: 10/10/2022 11:45

Sample ID: 22J1325-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	1.4	0.41	mg/L	1		EPA 1664B	10/24/22	10/24/22 10:38	II

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22J1325

Date Received: 10/11/2022

Field Sample #: Treatment Influent

Sampled: 10/10/2022 11:50

Sample ID: 22J1325-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	10	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Benzene	ND	5.0	1.0	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Bromochloromethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Bromodichloromethane	ND	2.5	0.90	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Bromoform	ND	5.0	1.9	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Bromomethane	ND	10	7.7	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
2-Butanone (MEK)	ND	100	8.1	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Carbon Disulfide	ND	25	7.2	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Carbon Tetrachloride	ND	25	0.82	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Chlorobenzene	ND	5.0	0.53	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Chlorodibromomethane	ND	2.5	1.1	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Chloroethane	ND	10	1.6	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Chloroform	ND	10	0.84	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Chloromethane	ND	10	2.6	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Cyclohexane	ND	25	8.8	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	4.0	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,2-Dibromoethane (EDB)	ND	2.5	0.85	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,2-Dichlorobenzene	ND	5.0	0.61	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,3-Dichlorobenzene	ND	5.0	0.59	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,4-Dichlorobenzene	ND	5.0	0.65	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	0.96	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,1-Dichloroethane	ND	5.0	0.71	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,2-Dichloroethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,1-Dichloroethylene	3.8	5.0	0.71	µg/L	5	J	SW-846 8260D	10/12/22	10/12/22 11:48	EEH
cis-1,2-Dichloroethylene	780	5.0	0.73	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
trans-1,2-Dichloroethylene	4.4	5.0	0.84	µg/L	5	L-06, V-06, J	SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,2-Dichloropropane	ND	5.0	0.91	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
cis-1,3-Dichloropropene	ND	2.5	0.79	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
trans-1,3-Dichloropropene	ND	2.5	0.84	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,4-Dioxane	ND	250	100	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Ethylbenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
2-Hexanone (MBK)	ND	50	5.6	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Isopropylbenzene (Cumene)	ND	5.0	0.54	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Methyl Acetate	ND	5.0	2.3	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.86	µg/L	5	R-05	SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Methyl Cyclohexane	ND	5.0	1.2	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Methylene Chloride	ND	25	1.2	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	6.4	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Styrene	ND	5.0	0.53	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	0.63	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Tetrachloroethylene	ND	5.0	0.94	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Toluene	ND	5.0	1.1	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,2,3-Trichlorobenzene	ND	25	1.5	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,2,4-Trichlorobenzene	ND	5.0	1.2	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22J1325

Date Received: 10/11/2022

Field Sample #: Treatment Influent

Sampled: 10/10/2022 11:50

Sample ID: 22J1325-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	5.0	0.84	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,1,2-Trichloroethane	ND	5.0	0.91	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Trichloroethylene	25	5.0	0.95	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Trichlorofluoromethane (Freon 11)	ND	10	0.88	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	1.1	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Vinyl Chloride	110	10	1.0	µg/L	5	L-06, V-06	SW-846 8260D	10/12/22	10/12/22 11:48	EEH
Xylenes (total)	ND	5.0	5.0	µg/L	5		SW-846 8260D	10/12/22	10/12/22 11:48	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	111	70-130	10/12/22 11:48
Toluene-d8	100	70-130	10/12/22 11:48
4-Bromofluorobenzene	99.0	70-130	10/12/22 11:48

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22J1325

Date Received: 10/11/2022

Field Sample #: Trip Blank

Sampled: 10/10/2022 00:00

Sample ID: 22J1325-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Chloroform	0.50	2.0	0.17	µg/L	1	J	SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1	R-05	SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer St, Frewsburg, NY

Sample Description:

Work Order: 22J1325

Date Received: 10/11/2022

Field Sample #: Trip Blank

Sampled: 10/10/2022 00:00

Sample ID: 22J1325-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	10/12/22	10/12/22 9:58	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	97.5	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
22J1325-01 [Treatment Effluent]	B320861	1000	10/24/22

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1325-01 [Treatment Effluent]	B321232	50.0	50.0	10/26/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22J1325-01 [Treatment Effluent]	B319569	5	5.00	10/12/22
22J1325-02 [Treatment Influent]	B319569	1	5.00	10/12/22
22J1325-03 [Trip Blank]	B319569	5	5.00	10/12/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B319569 - SW-846 5030B
Blank (B319569-BLK1)

Prepared & Analyzed: 10/12/22

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							R-05
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319569 - SW-846 5030B										
Blank (B319569-BLK1)										
Prepared & Analyzed: 10/12/22										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	27.4		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		µg/L	25.0		98.2	70-130			
LCS (B319569-BS1)										
Prepared & Analyzed: 10/12/22										
Acetone	114	50	µg/L	100		114	70-160			†
Benzene	9.24	1.0	µg/L	10.0		92.4	70-130			
Bromochloromethane	9.74	1.0	µg/L	10.0		97.4	70-130			
Bromodichloromethane	10.1	0.50	µg/L	10.0		101	70-130			
Bromoform	8.40	1.0	µg/L	10.0		84.0	70-130			
Bromomethane	17.9	2.0	µg/L	10.0		179 *	40-160		L-02, V-20	†
2-Butanone (MEK)	99.6	20	µg/L	100		99.6	40-160			†
Carbon Disulfide	161	5.0	µg/L	100		161 *	70-130		L-02, V-20	
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130			
Chlorobenzene	9.44	1.0	µg/L	10.0		94.4	70-130			
Chlorodibromomethane	9.63	0.50	µg/L	10.0		96.3	70-130			
Chloroethane	12.3	2.0	µg/L	10.0		123	70-130			
Chloroform	10.1	2.0	µg/L	10.0		101	70-130			
Chloromethane	11.7	2.0	µg/L	10.0		117	40-160			†
Cyclohexane	11.0	5.0	µg/L	10.0		110	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.40	5.0	µg/L	10.0		94.0	70-130			
1,2-Dibromoethane (EDB)	9.47	0.50	µg/L	10.0		94.7	70-130			
1,2-Dichlorobenzene	9.33	1.0	µg/L	10.0		93.3	70-130			
1,3-Dichlorobenzene	9.46	1.0	µg/L	10.0		94.6	70-130			
1,4-Dichlorobenzene	9.09	1.0	µg/L	10.0		90.9	70-130			
Dichlorodifluoromethane (Freon 12)	10.7	2.0	µg/L	10.0		107	40-160			†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130			
1,1-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130			
cis-1,2-Dichloroethylene	9.73	1.0	µg/L	10.0		97.3	70-130			
trans-1,2-Dichloroethylene	16.0	1.0	µg/L	10.0		160 *	70-130		L-06, V-06	
1,2-Dichloropropane	9.46	1.0	µg/L	10.0		94.6	70-130			
cis-1,3-Dichloropropene	9.94	0.50	µg/L	10.0		99.4	70-130			
trans-1,3-Dichloropropene	9.85	0.50	µg/L	10.0		98.5	70-130			
1,4-Dioxane	101	50	µg/L	100		101	40-130			†
Ethylbenzene	9.78	1.0	µg/L	10.0		97.8	70-130			
2-Hexanone (MBK)	100	10	µg/L	100		100	70-160			†
Isopropylbenzene (Cumene)	9.77	1.0	µg/L	10.0		97.7	70-130			
Methyl Acetate	14.8	1.0	µg/L	10.0		148 *	70-130		L-02, V-20	
Methyl tert-Butyl Ether (MTBE)	17.4	1.0	µg/L	10.0		174 *	70-130		L-07A, R-05	
Methyl Cyclohexane	11.0	1.0	µg/L	10.0		110	70-130			
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130			
4-Methyl-2-pentanone (MIBK)	98.0	10	µg/L	100		98.0	70-160			†
Styrene	9.73	1.0	µg/L	10.0		97.3	70-130			
1,1,2,2-Tetrachloroethane	9.42	0.50	µg/L	10.0		94.2	70-130			
Tetrachloroethylene	9.67	1.0	µg/L	10.0		96.7	70-130			
Toluene	9.47	1.0	µg/L	10.0		94.7	70-130			
1,2,3-Trichlorobenzene	9.11	5.0	µg/L	10.0		91.1	70-130			
1,2,4-Trichlorobenzene	8.94	1.0	µg/L	10.0		89.4	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319569 - SW-846 5030B										
LCS (B319569-BS1)										
Prepared & Analyzed: 10/12/22										
1,1,2-Trichloroethane	9.95	1.0	µg/L	10.0		99.5	70-130			
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
Trichlorofluoromethane (Freon 11)	12.7	2.0	µg/L	10.0		127	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15.3	1.0	µg/L	10.0		153	* 70-130			L-02, V-20
Vinyl Chloride	26.9	2.0	µg/L	10.0		269	* 40-160			L-06, V-06 †
m+p Xylene	19.6	2.0	µg/L	20.0		98.2	70-130			
o-Xylene	9.87	1.0	µg/L	10.0		98.7	70-130			
Xylenes (total)	29.5	1.0	µg/L	30.0		98.3	0-200			
Surrogate: 1,2-Dichloroethane-d4	27.5		µg/L	25.0		110	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			
LCS Dup (B319569-BSD1)										
Prepared & Analyzed: 10/12/22										
Acetone	113	50	µg/L	100		113	70-160	0.924	25	†
Benzene	9.07	1.0	µg/L	10.0		90.7	70-130	1.86	25	
Bromochloromethane	9.76	1.0	µg/L	10.0		97.6	70-130	0.205	25	
Bromodichloromethane	9.74	0.50	µg/L	10.0		97.4	70-130	3.83	25	
Bromoform	8.45	1.0	µg/L	10.0		84.5	70-130	0.593	25	
Bromomethane	17.8	2.0	µg/L	10.0		178	* 40-160	0.503	25	L-02, V-20 †
2-Butanone (MEK)	97.2	20	µg/L	100		97.2	40-160	2.40	25	†
Carbon Disulfide	159	5.0	µg/L	100		159	* 70-130	1.66	25	L-02, V-20
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103	70-130	0.387	25	
Chlorobenzene	9.18	1.0	µg/L	10.0		91.8	70-130	2.79	25	
Chlorodibromomethane	9.46	0.50	µg/L	10.0		94.6	70-130	1.78	25	
Chloroethane	12.9	2.0	µg/L	10.0		129	70-130	5.00	25	
Chloroform	9.79	2.0	µg/L	10.0		97.9	70-130	3.02	25	
Chloromethane	13.6	2.0	µg/L	10.0		136	40-160	14.7	25	†
Cyclohexane	10.8	5.0	µg/L	10.0		108	70-130	1.93	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.51	5.0	µg/L	10.0		85.1	70-130	9.94	25	
1,2-Dibromoethane (EDB)	9.66	0.50	µg/L	10.0		96.6	70-130	1.99	25	
1,2-Dichlorobenzene	9.40	1.0	µg/L	10.0		94.0	70-130	0.747	25	
1,3-Dichlorobenzene	9.31	1.0	µg/L	10.0		93.1	70-130	1.60	25	
1,4-Dichlorobenzene	9.05	1.0	µg/L	10.0		90.5	70-130	0.441	25	
Dichlorodifluoromethane (Freon 12)	10.5	2.0	µg/L	10.0		105	40-160	1.69	25	†
1,1-Dichloroethane	9.53	1.0	µg/L	10.0		95.3	70-130	6.40	25	
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	0.396	25	
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	6.54	25	
cis-1,2-Dichloroethylene	9.50	1.0	µg/L	10.0		95.0	70-130	2.39	25	
trans-1,2-Dichloroethylene	14.7	1.0	µg/L	10.0		147	* 70-130	8.51	25	L-06, V-06
1,2-Dichloropropane	9.80	1.0	µg/L	10.0		98.0	70-130	3.53	25	
cis-1,3-Dichloropropene	9.54	0.50	µg/L	10.0		95.4	70-130	4.11	25	
trans-1,3-Dichloropropene	9.76	0.50	µg/L	10.0		97.6	70-130	0.918	25	
1,4-Dioxane	86.2	50	µg/L	100		86.2	40-130	15.8	50	† ‡
Ethylbenzene	9.77	1.0	µg/L	10.0		97.7	70-130	0.102	25	
2-Hexanone (MBK)	102	10	µg/L	100		102	70-160	2.05	25	†
Isopropylbenzene (Cumene)	9.66	1.0	µg/L	10.0		96.6	70-130	1.13	25	
Methyl Acetate	15.7	1.0	µg/L	10.0		157	* 70-130	5.83	25	L-02, V-20
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130	49.5	* 25	R-05
Methyl Cyclohexane	10.9	1.0	µg/L	10.0		109	70-130	1.28	25	
Methylene Chloride	11.1	5.0	µg/L	10.0		111	70-130	3.68	25	
4-Methyl-2-pentanone (MIBK)	99.0	10	µg/L	100		99.0	70-160	0.984	25	†
Styrene	9.79	1.0	µg/L	10.0		97.9	70-130	0.615	25	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B319569 - SW-846 5030B										
LCS Dup (B319569-BSD1)					Prepared & Analyzed: 10/12/22					
1,1,2,2-Tetrachloroethane	9.50	0.50	µg/L	10.0		95.0	70-130	0.846	25	
Tetrachloroethylene	9.67	1.0	µg/L	10.0		96.7	70-130	0.00	25	
Toluene	9.34	1.0	µg/L	10.0		93.4	70-130	1.38	25	
1,2,3-Trichlorobenzene	9.29	5.0	µg/L	10.0		92.9	70-130	1.96	25	
1,2,4-Trichlorobenzene	9.05	1.0	µg/L	10.0		90.5	70-130	1.22	25	
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130	3.92	25	
1,1,2-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130	0.801	25	
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.489	25	
Trichlorofluoromethane (Freon 11)	12.0	2.0	µg/L	10.0		120	70-130	5.41	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15.2	1.0	µg/L	10.0		152 *	70-130	0.788	25	L-02, V-20
Vinyl Chloride	28.5	2.0	µg/L	10.0		285 *	40-160	5.66	25	L-06, V-06 †
m+p Xylene	19.3	2.0	µg/L	20.0		96.4	70-130	1.75	25	
o-Xylene	9.64	1.0	µg/L	10.0		96.4	70-130	2.36	25	
Xylenes (total)	28.9	1.0	µg/L	30.0		96.4	0-200	1.95		
Surrogate: 1,2-Dichloroethane-d4	27.1		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		102	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B321232 - EPA 200.7
Blank (B321232-BLK1)

Prepared: 10/26/22 Analyzed: 10/27/22

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B321232-BS1)

Prepared: 10/26/22 Analyzed: 10/27/22

Aluminum	0.458	0.050	mg/L	0.500		91.6	85-115			
Iron	3.56	0.050	mg/L	4.00		89.0	85-115			
Zinc	1.00	0.010	mg/L	1.00		100	85-115			

LCS Dup (B321232-BSD1)

Prepared: 10/26/22 Analyzed: 10/27/22

Aluminum	0.471	0.050	mg/L	0.500		94.2	85-115	2.89	20	
Iron	3.67	0.050	mg/L	4.00		91.7	85-115	2.99	20	
Zinc	1.04	0.010	mg/L	1.00		104	85-115	3.50	20	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B320861 - EPA 1664B										
Blank (B320861-BLK1)				Prepared & Analyzed: 10/24/22						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B320861-BLK2)				Prepared & Analyzed: 10/24/22						
Oil & Grease (HEM)	ND	28	mg/L							
LCS (B320861-BS1)				Prepared & Analyzed: 10/24/22						
Oil & Grease (HEM)	18	1.4	mg/L	20.0		91.0	78-114			
LCS (B320861-BS2)				Prepared & Analyzed: 10/24/22						
Oil & Grease (HEM)	350	28	mg/L	400		86.5	78-114			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-06	Laboratory fortified blank/laboratory control sample recovery and/or duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022



CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

DEC Site #: 907016

CLIENT/REPORTING INFORMATION

Groundwater & Environmental Services, Inc.
415 Lawrence Bell Drive, Williamsville, NY 14221
Project Manager: Thomas Palmer
TPalmer@gesonline.com
GESinbobox@GESonline.com
866-902-2187

PROJECT INFORMATION

Project Name:
NYSDEC/Frewsburg/NY/FalconerSt/300
Project Address:
300 Falconer Street, Frewsburg, NY
Project PSID #:

BILLING INFORMATION

DEC Lab Callout ID: 142802
DEC PM: Damiano Skaros

Invoice Instructions (Project # / Phase / Task / Altorg)

NYSDEC Site No. 907016

Lab Project Manager: Michel Buttrick

Sample(s) Name:

number of preserved bottles

HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber
2	2	1	2					
2	2							
2								

Matrix	Sampler	Time Sampled	Total # Bottles
WG	MB	1145	5
WG	MB	1150	2
WG	MB	-	2

8260 - TCLVOCs OLM04.2 list

1664A Calc - oil & grease

200.7 - Total Al, Fe, Zn

Turnaround Time (Business Days) Approved By (Lab PM) / Date

Standard 14 Days

1 day RUSH

Other

Lab: Pace Analytical Services

Address: 39 Spruce St, East Longmeadow, MA 01028

Phone: 518-608-1036

Lab PM: Michael Buttrick

Lab PM Email:

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSEDEC/Buffalo/NY/MainSt/2929-2939_LabReport# 30987.EQEDD.zip

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
☐ Commercial 'B' (Level 2) = Results + QC Summary
☐ FULLT (Level 3 & 4)
☐ NI Reduced = Results + QC Summary + Partial Raw Data
☐ Commercial 'C'
☐ NI Data of Known Quality Protocol Reporting
☐ NYASP Category A
☐ NYASP Category B
☐ State Forms
☐ EDD Format
☒ Other NYSEDEC EDD FOR NYSEDEC EQUIS

Sample Custody must be documented below each time samples change possession, including courier.	
Relinquished By: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Date / Time: 1 10/10 1330	Date / Time: 1 10/10 20
Relinquished By: 2	Received By: 2
Date / Time: 2	Date / Time: 2
Relinquished By: 3	Received By: 3
Date / Time: 3	Date / Time: 3
Custody Seal Number: <u>Intact</u>	Preserved where applicable

(https://www.fedex.com/en-us/home.html)



FedEx® Tracking



DELIVERED

Tuesday

10/11/2022 at 7:48 am

Signed for by: R.RIO

↓ Obtain Proof of delivery

How was your delivery?



DELIVERY STATUS

Delivered

✉ Get Status Updates

TRACKING ID

812087564127

FROM

GES

415 LAIRENCE BELL DR
Williamsville, NY US 14221
8002877857

Label Created

10/10/2022 3:24 PM

PACKAGE RECEIVED BY FEDEX

JAMESTOWN, NY
10/10/2022 4:25 PM

IN TRANSIT

EAST GRANBY, CT
10/11/2022 6:53 AM

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WINDSOR LOCKS, CT
10/11/2022 7:16 AM

DELIVERED

CON-TEST ANALYTICAL LABOR
CON-TEST ANALYTICAL LABORATORY LLC
39 SPRUCE ST
EAST LONGMEADOW, MA US 01028
4133180051

DELIVERED

10/11/2022 at 7:48 AM

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East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com



Doc# 277 Rev 6 July 2022

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client GESReceived By URDate 10/11Time 748

How were the samples received?

In Cooler TNo Cooler On Ice No Ice Direct From Sample Ambient Melted Ice

Were samples within Temperature?

Within 2-6°C By Gun # 3Actual Temp - 2.0By Blank # Actual Temp -

Was Custody Seal In tact?

MA

Were Samples Tampered with?

N/A

Was COC Relinquished?

T

Does Chain Agree With Samples?

T

Are there broken/leaking/loose caps on any samples?

F

Is COC in ink/ Legible?

T

Were samples received within holding time?

T

Did COC include all

Client? Analysis? Sampler Name?

pertinent Information?

Project? ID's? Collection Dates/Times?

Are Sample labels filled out and legible?

T

Are there Lab to Filters?

F

Who was notified?

Are there Rushes?

F

Who was notified?

Are there Short Holds?

F

Who was notified?

Samples are received within holding time?

T

Is there enough Volume?

T

Is there Headspace where applicable?

FMS/MSD?

Proper Media/Containers Used?

Tsplitting samples require F

Were trip blanks receive

TOn COC?

Do All Samples Have the proper pH?

T

Vials		Containers: #		Acid #		Base #	
Unp-		1 Liter Amb.	2	1 Liter Plastic		16 oz Amb.	
HCL-	6	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	1	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials		Containers: #		#		#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

November 30, 2022

Thomas Palmer
NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564

Project Location: 330 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22K2370

Enclosed are results of analyses for samples as received by the laboratory on November 16, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Pawling, NY
63 East Main Street, Unit 3
Pawling, NY 12564
ATTN: Thomas Palmer

REPORT DATE: 11/30/2022

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22K2370

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 330 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22K2370-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	22K2370-02	Ground Water		SW-846 8260D	
Trip Blank	22K2370-03	Ground Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D**Qualifications:**

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**Carbon Disulfide**

B323347-BS1, B323347-BSD1, S079847-CCV1

Methyl Acetate

B323347-BS1, B323347-BSD1, S079847-CCV1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22K2370-02[Treatment Influent]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**1,2-Dibromo-3-chloropropane (DBP)**

22K2370-01[Treatment Effluent], 22K2370-02[Treatment Influent], 22K2370-03[Trip Blank], B323347-BLK1, B323347-BS1, B323347-BSD1, S079847-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Bromomethane**

B323347-BS1, B323347-BSD1, S079847-CCV1

Carbon Disulfide

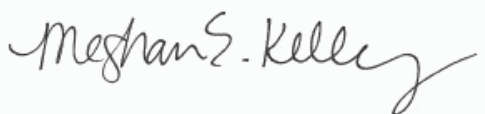
B323347-BS1, B323347-BSD1, S079847-CCV1

Methyl Acetate

B323347-BS1, B323347-BSD1, S079847-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 330 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22K2370

Date Received: 11/16/2022

Field Sample #: Treatment Effluent

Sampled: 11/15/2022 10:45

Sample ID: 22K2370-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	8.2	50	2.0	µg/L	1	J	SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 330 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22K2370

Date Received: 11/16/2022

Field Sample #: Treatment Effluent

Sampled: 11/15/2022 10:45

Sample ID: 22K2370-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/23/22	11/24/22 5:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	100	70-130	
Toluene-d8	98.6	70-130	
4-Bromofluorobenzene	95.9	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 330 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22K2370

Date Received: 11/16/2022

Field Sample #: Treatment Effluent

Sampled: 11/15/2022 10:45

Sample ID: 22K2370-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.030	0.050	0.015	mg/L	1	J	EPA 200.7	11/18/22	11/20/22 5:20	MJH
Iron	5.6	0.050	0.019	mg/L	1		EPA 200.7	11/18/22	11/20/22 5:20	MJH
Zinc	0.039	0.010	0.0042	mg/L	1		EPA 200.7	11/18/22	11/20/22 5:20	MJH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 330 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22K2370

Date Received: 11/16/2022

Field Sample #: Treatment Effluent

Sampled: 11/15/2022 10:45

Sample ID: 22K2370-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Oil & Grease (HEM)	ND	2.8	0.82	mg/L	1		EPA 1664B	11/29/22	11/29/22 11:27	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 330 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22K2370

Date Received: 11/16/2022

Field Sample #: Treatment Influent

Sampled: 11/15/2022 10:50

Sample ID: 22K2370-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	11	200	8.1	µg/L	4	J	SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Benzene	ND	4.0	0.80	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Bromochloromethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Bromodichloromethane	ND	2.0	0.72	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Bromoform	ND	8.0	1.5	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Bromomethane	ND	8.0	6.2	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
2-Butanone (MEK)	ND	80	6.5	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Carbon Disulfide	ND	20	5.8	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Carbon Tetrachloride	ND	20	0.66	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Chlorobenzene	ND	4.0	0.42	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Chlorodibromomethane	ND	2.0	0.89	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Chloroethane	ND	8.0	1.3	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Chloroform	ND	8.0	0.67	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Chloromethane	ND	8.0	2.1	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Cyclohexane	ND	20	7.0	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	3.2	µg/L	4	V-05	SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,2-Dibromoethane (EDB)	ND	2.0	0.68	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,2-Dichlorobenzene	ND	4.0	0.49	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,3-Dichlorobenzene	ND	4.0	0.47	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,4-Dichlorobenzene	ND	4.0	0.52	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Dichlorodifluoromethane (Freon 12)	ND	8.0	0.77	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,1-Dichloroethane	ND	4.0	0.57	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,2-Dichloroethane	ND	4.0	1.2	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,1-Dichloroethylene	2.1	4.0	0.57	µg/L	4	J	SW-846 8260D	11/23/22	11/24/22 9:04	EEH
cis-1,2-Dichloroethylene	490	4.0	0.59	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
trans-1,2-Dichloroethylene	3.4	4.0	0.67	µg/L	4	J	SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,2-Dichloropropane	ND	4.0	0.72	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
cis-1,3-Dichloropropene	ND	2.0	0.63	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
trans-1,3-Dichloropropene	ND	2.0	0.67	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,4-Dioxane	ND	200	82	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Ethylbenzene	ND	4.0	0.86	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
2-Hexanone (MBK)	ND	40	4.5	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Isopropylbenzene (Cumene)	ND	4.0	0.43	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Methyl Acetate	ND	4.0	1.8	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Methyl tert-Butyl Ether (MTBE)	ND	4.0	0.69	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Methyl Cyclohexane	ND	4.0	0.98	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Methylene Chloride	ND	20	0.94	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
4-Methyl-2-pentanone (MIBK)	ND	40	5.1	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Styrene	ND	4.0	0.42	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.51	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Tetrachloroethylene	ND	4.0	0.75	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Toluene	ND	4.0	0.90	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,2,3-Trichlorobenzene	ND	20	1.2	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,2,4-Trichlorobenzene	ND	4.0	0.99	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 330 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22K2370

Date Received: 11/16/2022

Field Sample #: Treatment Influent

Sampled: 11/15/2022 10:50

Sample ID: 22K2370-02

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	4.0	0.68	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,1,2-Trichloroethane	ND	4.0	0.73	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Trichloroethylene	200	4.0	0.76	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Trichlorofluoromethane (Freon 11)	ND	8.0	0.70	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	8.0	0.91	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Vinyl Chloride	35	8.0	0.83	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH
Xylenes (total)	ND	4.0	4.0	µg/L	4		SW-846 8260D	11/23/22	11/24/22 9:04	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	97.8	70-130	
Toluene-d8	98.8	70-130	
4-Bromofluorobenzene	94.6	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 330 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22K2370

Date Received: 11/16/2022

Field Sample #: Trip Blank

Sampled: 11/15/2022 00:00

Sample ID: 22K2370-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Bromoform	ND	2.0	0.38	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Chloroform	0.85	2.0	0.17	µg/L	1	J	SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 330 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22K2370

Date Received: 11/16/2022

Field Sample #: Trip Blank

Sampled: 11/15/2022 00:00

Sample ID: 22K2370-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.23	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	11/23/22	11/24/22 4:02	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.1	70-130	
Toluene-d8	98.7	70-130	
4-Bromofluorobenzene	95.1	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
22K2370-01 [Treatment Effluent]	B324168	500	11/29/22

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22K2370-01 [Treatment Effluent]	B323514	50.0	50.0	11/18/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22K2370-01 [Treatment Effluent]	B323347	5	5.00	11/23/22
22K2370-02 [Treatment Influent]	B323347	1.25	5.00	11/23/22
22K2370-03 [Trip Blank]	B323347	5	5.00	11/23/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B323347 - SW-846 5030B
Blank (B323347-BLK1)

Prepared: 11/17/22 Analyzed: 11/24/22

Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B323347 - SW-846 5030B										
Blank (B323347-BLK1)										
Prepared: 11/17/22 Analyzed: 11/24/22										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.3		µg/L	25.0		97.2	70-130			
Surrogate: Toluene-d8	24.2		µg/L	25.0		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.2		µg/L	25.0		97.0	70-130			
LCS (B323347-BS1)										
Prepared: 11/17/22 Analyzed: 11/24/22										
Acetone	108	50	µg/L	100		108	70-160			†
Benzene	9.19	1.0	µg/L	10.0		91.9	70-130			
Bromochloromethane	10.5	1.0	µg/L	10.0		105	70-130			
Bromodichloromethane	9.23	0.50	µg/L	10.0		92.3	70-130			
Bromoform	9.06	1.0	µg/L	10.0		90.6	70-130			
Bromomethane	13.7	2.0	µg/L	10.0		137	40-160		V-20	†
2-Butanone (MEK)	114	20	µg/L	100		114	40-160			†
Carbon Disulfide	133	5.0	µg/L	100		133 *	70-130		L-02, V-20	
Carbon Tetrachloride	8.93	5.0	µg/L	10.0		89.3	70-130			
Chlorobenzene	9.91	1.0	µg/L	10.0		99.1	70-130			
Chlorodibromomethane	8.98	0.50	µg/L	10.0		89.8	70-130			
Chloroethane	12.0	2.0	µg/L	10.0		120	70-130			
Chloroform	9.41	2.0	µg/L	10.0		94.1	70-130			
Chloromethane	15.0	2.0	µg/L	10.0		150	40-160			†
Cyclohexane	11.5	5.0	µg/L	10.0		115	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.57	5.0	µg/L	10.0		85.7	70-130		V-05	
1,2-Dibromoethane (EDB)	9.53	0.50	µg/L	10.0		95.3	70-130			
1,2-Dichlorobenzene	9.69	1.0	µg/L	10.0		96.9	70-130			
1,3-Dichlorobenzene	9.46	1.0	µg/L	10.0		94.6	70-130			
1,4-Dichlorobenzene	9.52	1.0	µg/L	10.0		95.2	70-130			
Dichlorodifluoromethane (Freon 12)	7.94	2.0	µg/L	10.0		79.4	40-160			†
1,1-Dichloroethane	9.61	1.0	µg/L	10.0		96.1	70-130			
1,2-Dichloroethane	9.85	1.0	µg/L	10.0		98.5	70-130			
1,1-Dichloroethylene	9.27	1.0	µg/L	10.0		92.7	70-130			
cis-1,2-Dichloroethylene	9.75	1.0	µg/L	10.0		97.5	70-130			
trans-1,2-Dichloroethylene	9.40	1.0	µg/L	10.0		94.0	70-130			
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	70-130			
cis-1,3-Dichloropropene	9.01	0.50	µg/L	10.0		90.1	70-130			
trans-1,3-Dichloropropene	8.48	0.50	µg/L	10.0		84.8	70-130			
1,4-Dioxane	103	50	µg/L	100		103	40-130			†
Ethylbenzene	9.82	1.0	µg/L	10.0		98.2	70-130			
2-Hexanone (MBK)	114	10	µg/L	100		114	70-160			†
Isopropylbenzene (Cumene)	9.39	1.0	µg/L	10.0		93.9	70-130			
Methyl Acetate	18.3	1.0	µg/L	10.0		183 *	70-130		L-02, V-20	
Methyl tert-Butyl Ether (MTBE)	9.78	1.0	µg/L	10.0		97.8	70-130			
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130			
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130			
4-Methyl-2-pentanone (MIBK)	115	10	µg/L	100		115	70-160			†
Styrene	9.61	1.0	µg/L	10.0		96.1	70-130			
1,1,2,2-Tetrachloroethane	9.67	0.50	µg/L	10.0		96.7	70-130			
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
Toluene	9.65	1.0	µg/L	10.0		96.5	70-130			
1,2,3-Trichlorobenzene	11.2	5.0	µg/L	10.0		112	70-130			
1,2,4-Trichlorobenzene	9.84	1.0	µg/L	10.0		98.4	70-130			
1,1,1-Trichloroethane	9.09	1.0	µg/L	10.0		90.9	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B323347 - SW-846 5030B										
LCS (B323347-BS1)										
Prepared: 11/17/22 Analyzed: 11/24/22										
1,1,2-Trichloroethane	9.93	1.0	µg/L	10.0		99.3	70-130			
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Trichlorofluoromethane (Freon 11)	8.81	2.0	µg/L	10.0		88.1	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130			
Vinyl Chloride	10.7	2.0	µg/L	10.0		107	40-160			†
m+p Xylene	19.8	2.0	µg/L	20.0		98.8	70-130			
o-Xylene	9.87	1.0	µg/L	10.0		98.7	70-130			
Xylenes (total)	29.6	1.0	µg/L	30.0		98.7	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		µg/L	25.0		101	70-130			
LCS Dup (B323347-BSD1)										
Prepared: 11/17/22 Analyzed: 11/24/22										
Acetone	113	50	µg/L	100		113	70-160	4.63	25	†
Benzene	8.96	1.0	µg/L	10.0		89.6	70-130	2.53	25	
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130	1.24	25	
Bromodichloromethane	9.64	0.50	µg/L	10.0		96.4	70-130	4.35	25	
Bromoform	9.14	1.0	µg/L	10.0		91.4	70-130	0.879	25	
Bromomethane	14.1	2.0	µg/L	10.0		141	40-160	2.67	25	V-20 †
2-Butanone (MEK)	120	20	µg/L	100		120	40-160	5.56	25	†
Carbon Disulfide	138	5.0	µg/L	100		138	* 70-130	3.54	25	L-02, V-20
Carbon Tetrachloride	8.67	5.0	µg/L	10.0		86.7	70-130	2.95	25	
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130	3.08	25	
Chlorodibromomethane	9.25	0.50	µg/L	10.0		92.5	70-130	2.96	25	
Chloroethane	12.1	2.0	µg/L	10.0		121	70-130	0.915	25	
Chloroform	9.44	2.0	µg/L	10.0		94.4	70-130	0.318	25	
Chloromethane	12.7	2.0	µg/L	10.0		127	40-160	16.8	25	†
Cyclohexane	11.4	5.0	µg/L	10.0		114	70-130	1.05	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.12	5.0	µg/L	10.0		91.2	70-130	6.22	25	V-05
1,2-Dibromoethane (EDB)	10.0	0.50	µg/L	10.0		100	70-130	4.91	25	
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	4.04	25	
1,3-Dichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130	4.44	25	
1,4-Dichlorobenzene	9.84	1.0	µg/L	10.0		98.4	70-130	3.31	25	
Dichlorodifluoromethane (Freon 12)	8.17	2.0	µg/L	10.0		81.7	40-160	2.86	25	†
1,1-Dichloroethane	9.62	1.0	µg/L	10.0		96.2	70-130	0.104	25	
1,2-Dichloroethane	9.97	1.0	µg/L	10.0		99.7	70-130	1.21	25	
1,1-Dichloroethylene	9.28	1.0	µg/L	10.0		92.8	70-130	0.108	25	
cis-1,2-Dichloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130	1.83	25	
trans-1,2-Dichloroethylene	9.27	1.0	µg/L	10.0		92.7	70-130	1.39	25	
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130	3.40	25	
cis-1,3-Dichloropropene	8.87	0.50	µg/L	10.0		88.7	70-130	1.57	25	
trans-1,3-Dichloropropene	8.64	0.50	µg/L	10.0		86.4	70-130	1.87	25	
1,4-Dioxane	102	50	µg/L	100		102	40-130	0.604	50	† ‡
Ethylbenzene	9.99	1.0	µg/L	10.0		99.9	70-130	1.72	25	
2-Hexanone (MBK)	125	10	µg/L	100		125	70-160	8.58	25	†
Isopropylbenzene (Cumene)	10.0	1.0	µg/L	10.0		100	70-130	6.39	25	
Methyl Acetate	20.3	1.0	µg/L	10.0		203	* 70-130	10.4	25	L-02, V-20
Methyl tert-Butyl Ether (MTBE)	9.81	1.0	µg/L	10.0		98.1	70-130	0.306	25	
Methyl Cyclohexane	10.5	1.0	µg/L	10.0		105	70-130	1.35	25	
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130	0.0934	25	
4-Methyl-2-pentanone (MIBK)	120	10	µg/L	100		120	70-160	3.77	25	†
Styrene	10.2	1.0	µg/L	10.0		102	70-130	5.56	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B323347 - SW-846 5030B										
LCS Dup (B323347-BSD1)					Prepared: 11/17/22 Analyzed: 11/24/22					
1,1,2,2-Tetrachloroethane	9.69	0.50	µg/L	10.0		96.9	70-130	0.207	25	
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	1.74	25	
Toluene	9.84	1.0	µg/L	10.0		98.4	70-130	1.95	25	
1,2,3-Trichlorobenzene	12.0	5.0	µg/L	10.0		120	70-130	6.65	25	
1,2,4-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	8.65	25	
1,1,1-Trichloroethane	8.73	1.0	µg/L	10.0		87.3	70-130	4.04	25	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	5.29	25	
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	3.70	25	
Trichlorofluoromethane (Freon 11)	8.99	2.0	µg/L	10.0		89.9	70-130	2.02	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0		112	70-130	1.98	25	
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160	1.13	25	†
m+p Xylene	20.7	2.0	µg/L	20.0		104	70-130	4.70	25	
o-Xylene	10.3	1.0	µg/L	10.0		103	70-130	3.97	25	
Xylenes (total)	31.0	1.0	µg/L	30.0		103	0-200	4.46		
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B323514 - EPA 200.7
Blank (B323514-BLK1)

Prepared: 11/18/22 Analyzed: 11/20/22

Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							

LCS (B323514-BS1)

Prepared: 11/18/22 Analyzed: 11/20/22

Aluminum	0.512	0.050	mg/L	0.500		102	85-115			
Iron	4.17	0.050	mg/L	4.00		104	85-115			
Zinc	1.06	0.010	mg/L	1.00		106	85-115			

LCS Dup (B323514-BSD1)

Prepared: 11/18/22 Analyzed: 11/20/22

Aluminum	0.518	0.050	mg/L	0.500		104	85-115	1.15	20	
Iron	4.25	0.050	mg/L	4.00		106	85-115	1.84	20	
Zinc	1.05	0.010	mg/L	1.00		105	85-115	1.13	20	

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B324168 - EPA 1664B										
Blank (B324168-BLK1)				Prepared & Analyzed: 11/29/22						
Oil & Grease (HEM)	ND	1.4	mg/L							
Blank (B324168-BLK2)				Prepared & Analyzed: 11/29/22						
Oil & Grease (HEM)	ND	56	mg/L							
LCS (B324168-BS1)				Prepared & Analyzed: 11/29/22						
Oil & Grease (HEM)	17	1.4	mg/L	20.0		85.0	78-114			
LCS (B324168-BS2)				Prepared & Analyzed: 11/29/22						
Oil & Grease (HEM)	700	56	mg/L	800		87.0	78-114			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022



225116

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☐ Other _____

Lab: _____ Pace Analytical Services
 Address: _____ 39 Spruce St. East Longmeadow, MA 01028
 Phone: _____ 518-608-1036
 Lab PM: _____ Michael Buttrick
 Lab PM Email: _____

Please Email the EQ EDD Package to ges@equisonline.com
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Commercial 'B' (Level 2)	= Results + QC Summary
FULL T1 (Level 3 & 4)	
NI Reduced	= Results + QC Summary + Partial Raw Data
Commercial 'C'	
NI Data of Known Quality Protocol Reporting	
NYASP Category A	
NYASP Category B	
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Other NYSDOC EDO FOR NYSDOC EQUIV	

Sample Custody must be documented below each time samples change possession, including courier.	
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Received By: 1 	Date / Time: 11/15 22 1300
Relinquished By: 2	Date / Time: 2
Received By: 2	Date / Time: 2
Relinquished By: 3	Date / Time: 3
Received By: 3	Date / Time: 3
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Doc# 277 Rev 6 July 2022

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client GCS
Received By LA Date 11/16/22 Time 946

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct From Sample F Ambient _____ Melted Ice _____

Were samples within Temperature? Within 2-6°C T By Gun # 5 Actual Temp -4.6
By Blank # _____ Actual Temp _____

Was Custody Seal In tact? N/A Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client? T Analysis? T Sampler Name? T
Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____

Samples are received within holding time? T Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? F
Proper Media/Containers Used? _____ splitting samples required F
Were trip blanks receive _____ On COC? F
Do All Samples Have the proper pH? T Acid T Base _____

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.	2	1 Liter Plastic	16 oz Amb.
HCL-	6	500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

January 4, 2023

Thomas Palmer
NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

Project Location: 300 Falconer Street, Frewsburg, NY
Client Job Number:
Project Number: 907016
Laboratory Work Order Number: 22L2911

Enclosed are results of analyses for samples as received by the laboratory on December 21, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle K. Stuckey
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332NYDEC_GES - Amherst, NY
6010 North Bailey Ave., Suite 1
Amherst, NY 14226
ATTN: Thomas Palmer

REPORT DATE: 1/4/2023

PURCHASE ORDER NUMBER: 142802

PROJECT NUMBER: 907016

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22L2911

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 300 Falconer Street, Frewsburg, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Treatment Effluent	22L2911-01	Ground Water		EPA 1664B EPA 200.7 SW-846 8260D	
Treatment Influent	22L2911-02	Ground Water		SW-846 8260D	
Trip Blank	22L2911-03	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA 200.7**Qualifications:**

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:**Aluminum**

22L2911-01[Treatment Effluent], B327259-BLK1

SW-846 8260D**Qualifications:**

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Methyl Acetate**

B326948-BSD1

PR-08

pH of sample (pH 5) is outside of method specified preservation criteria.

Analyte & Samples(s) Qualified:

22L2911-02[Treatment Influent]

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22L2911-02[Treatment Influent]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**1,2-Dibromo-3-chloropropane (DBCP)**

22L2911-01[Treatment Effluent], 22L2911-02[Treatment Influent], 22L2911-03[Trip Blank], B326948-BLK1, B326948-BS1, B326948-BSD1, S081302-CCV1

Bromomethane

22L2911-01[Treatment Effluent], 22L2911-02[Treatment Influent], 22L2911-03[Trip Blank], B326948-BLK1, B326948-BS1, B326948-BSD1, S081302-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**4-Methyl-2-pentanone (MIBK)**

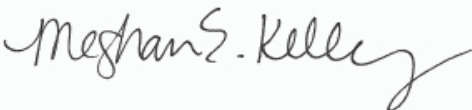
B326948-BS1, B326948-BSD1, S081302-CCV1

Methyl Acetate

B326948-BS1, B326948-BSD1, S081302-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22L2911

Date Received: 12/21/2022

Field Sample #: Treatment Effluent

Sampled: 12/20/2022 09:45

Sample ID: 22L2911-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	12	50	2.0	µg/L	1	J	SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Bromomethane	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	12/28/22	12/29/22 2:34	MFF
2-Butanone (MEK)	2.9	20	1.6	µg/L	1	J	SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22L2911

Date Received: 12/21/2022

Field Sample #: Treatment Effluent

Sampled: 12/20/2022 09:45

Sample ID: 22L2911-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	12/28/22	12/29/22 2:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.3	70-130	
Toluene-d8	102	70-130	
4-Bromofluorobenzene	104	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22L2911

Date Received: 12/21/2022

Field Sample #: Treatment Effluent

Sampled: 12/20/2022 09:45

Sample ID: 22L2911-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1	B	EPA 200.7	12/30/22	12/31/22 18:32	NC
Iron	0.53	0.050	0.019	mg/L	1		EPA 200.7	12/30/22	12/31/22 18:32	NC
Zinc	0.035	0.010	0.0042	mg/L	1		EPA 200.7	12/30/22	12/31/22 18:32	NC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22L2911

Date Received: 12/21/2022

Field Sample #: Treatment Effluent

Sampled: 12/20/2022 09:45

Sample ID: 22L2911-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Silica Gel Treated HEM (SGT-HEM)	0.60	1.4	0.47	mg/L	1	J	EPA 1664B	12/29/22	12/29/22 11:16	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22L2911

Date Received: 12/21/2022

Field Sample #: Treatment Influent

Sampled: 12/20/2022 09:55

Sample ID: 22L2911-02

Sample Matrix: Ground Water

Sample Flags: PR-08, RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	10	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Benzene	ND	5.0	1.0	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Bromochloromethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Bromodichloromethane	ND	2.5	0.90	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Bromoform	ND	5.0	1.9	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Bromomethane	ND	10	7.7	µg/L	5	V-05	SW-846 8260D	12/28/22	12/29/22 10:52	MFF
2-Butanone (MEK)	ND	100	8.1	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Carbon Disulfide	ND	25	7.2	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Carbon Tetrachloride	ND	25	0.82	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Chlorobenzene	ND	5.0	0.53	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Chlorodibromomethane	ND	2.5	1.1	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Chloroethane	ND	10	1.6	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Chloroform	ND	10	0.84	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Chloromethane	ND	10	2.6	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Cyclohexane	ND	25	8.8	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	4.0	µg/L	5	V-05	SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,2-Dibromoethane (EDB)	ND	2.5	0.85	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,2-Dichlorobenzene	ND	5.0	0.61	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,3-Dichlorobenzene	ND	5.0	0.59	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,4-Dichlorobenzene	ND	5.0	0.65	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	10	0.96	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,1-Dichloroethane	ND	5.0	0.71	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,2-Dichloroethane	ND	5.0	1.5	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,1-Dichloroethylene	2.8	5.0	0.71	µg/L	5	J	SW-846 8260D	12/28/22	12/29/22 10:52	MFF
cis-1,2-Dichloroethylene	610	5.0	0.73	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
trans-1,2-Dichloroethylene	5.1	5.0	0.84	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,2-Dichloropropane	ND	5.0	0.91	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
cis-1,3-Dichloropropene	ND	2.5	0.79	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
trans-1,3-Dichloropropene	ND	2.5	0.84	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,4-Dioxane	ND	250	100	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Ethylbenzene	ND	5.0	1.1	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
2-Hexanone (MBK)	ND	50	5.6	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Isopropylbenzene (Cumene)	ND	5.0	0.54	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Methyl Acetate	ND	5.0	2.3	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.86	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Methyl Cyclohexane	ND	5.0	1.2	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Methylene Chloride	ND	25	1.2	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	50	6.4	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Styrene	ND	5.0	0.53	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,1,2,2-Tetrachloroethane	ND	2.5	0.63	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Tetrachloroethylene	ND	5.0	0.94	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Toluene	ND	5.0	1.1	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,2,3-Trichlorobenzene	ND	25	1.5	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,2,4-Trichlorobenzene	ND	5.0	1.2	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22L2911

Date Received: 12/21/2022

Field Sample #: Treatment Influent

Sampled: 12/20/2022 09:55

Sample ID: 22L2911-02

Sample Matrix: Ground Water

Sample Flags: PR-08, RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	5.0	0.84	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,1,2-Trichloroethane	ND	5.0	0.91	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Trichloroethylene	420	5.0	0.95	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Trichlorofluoromethane (Freon 11)	ND	10	0.88	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	1.1	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Vinyl Chloride	26	10	1.0	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF
Xylenes (total)	ND	5.0	5.0	µg/L	5		SW-846 8260D	12/28/22	12/29/22 10:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	93.6	70-130	
Toluene-d8	102	70-130	
4-Bromofluorobenzene	104	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22L2911

Date Received: 12/21/2022

Field Sample #: Trip Blank

Sampled: 12/20/2022 00:00

Sample ID: 22L2911-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Bromomethane	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	12/28/22	12/29/22 7:22	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Chloroform	0.98	2.0	0.17	µg/L	1	J	SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Chloromethane	ND	2.0	0.52	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1	V-05	SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 300 Falconer Street, Frewsburg, N

Sample Description:

Work Order: 22L2911

Date Received: 12/21/2022

Field Sample #: Trip Blank

Sampled: 12/20/2022 00:00

Sample ID: 22L2911-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	12/28/22	12/29/22 7:22	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.6	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	105	70-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date
22L2911-01 [Treatment Effluent]	B327067	1000	12/29/22

Prep Method: EPA 200.7 Analytical Method: EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22L2911-01 [Treatment Effluent]	B327259	50.0	50.0	12/30/22

Prep Method: SW-846 5030B Analytical Method: SW-846 8260D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22L2911-01 [Treatment Effluent]	B326948	5	5.00	12/28/22
22L2911-02 [Treatment Influent]	B326948	1	5.00	12/28/22
22L2911-03 [Trip Blank]	B326948	5	5.00	12/28/22

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes
Batch B326948 - SW-846 5030B										
Blank (B326948-BLK1)				Prepared: 12/28/22 Analyzed: 12/29/22						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-05
2-Butanone (MEK)	ND	20	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B326948 - SW-846 5030B										
Blank (B326948-BLK1)										
Prepared: 12/28/22 Analyzed: 12/29/22										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.7		µg/L	25.0		94.8	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.4		µg/L	25.0		105	70-130			
LCS (B326948-BS1)										
Prepared: 12/28/22 Analyzed: 12/29/22										
Acetone	118	50	µg/L	100		118	70-160			†
Benzene	9.84	1.0	µg/L	10.0		98.4	70-130			
Bromochloromethane	11.4	1.0	µg/L	10.0		114	70-130			
Bromodichloromethane	10.4	0.50	µg/L	10.0		104	70-130			
Bromoform	10.1	1.0	µg/L	10.0		101	70-130			
Bromomethane	6.15	2.0	µg/L	10.0		61.5	40-160		V-05	†
2-Butanone (MEK)	117	20	µg/L	100		117	40-160			†
Carbon Disulfide	86.2	5.0	µg/L	100		86.2	70-130			
Carbon Tetrachloride	10.1	5.0	µg/L	10.0		101	70-130			
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130			
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130			
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130			
Chloroform	10.0	2.0	µg/L	10.0		100	70-130			
Chloromethane	8.67	2.0	µg/L	10.0		86.7	40-160			†
Cyclohexane	9.83	5.0	µg/L	10.0		98.3	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.10	5.0	µg/L	10.0		71.0	70-130		V-05	
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0		114	70-130			
1,2-Dichlorobenzene	9.56	1.0	µg/L	10.0		95.6	70-130			
1,3-Dichlorobenzene	9.54	1.0	µg/L	10.0		95.4	70-130			
1,4-Dichlorobenzene	9.73	1.0	µg/L	10.0		97.3	70-130			
Dichlorodifluoromethane (Freon 12)	9.99	2.0	µg/L	10.0		99.9	40-160			†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	11.7	1.0	µg/L	10.0		117	70-130			
1,1-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130			
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloropropane	11.6	1.0	µg/L	10.0		116	70-130			
cis-1,3-Dichloropropene	9.84	0.50	µg/L	10.0		98.4	70-130			
trans-1,3-Dichloropropene	9.83	0.50	µg/L	10.0		98.3	70-130			
1,4-Dioxane	91.4	50	µg/L	100		91.4	40-130			†
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
2-Hexanone (MBK)	122	10	µg/L	100		122	70-160			†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130			
Methyl Acetate	12.8	1.0	µg/L	10.0		128	70-130		V-20	
Methyl tert-Butyl Ether (MTBE)	9.66	1.0	µg/L	10.0		96.6	70-130			
Methyl Cyclohexane	9.89	1.0	µg/L	10.0		98.9	70-130			
Methylene Chloride	11.4	5.0	µg/L	10.0		114	70-130			
4-Methyl-2-pentanone (MIBK)	124	10	µg/L	100		124	70-160		V-20	†
Styrene	10.3	1.0	µg/L	10.0		103	70-130			
1,1,2,2-Tetrachloroethane	9.97	0.50	µg/L	10.0		99.7	70-130			
Tetrachloroethylene	11.8	1.0	µg/L	10.0		118	70-130			
Toluene	11.1	1.0	µg/L	10.0		111	70-130			
1,2,3-Trichlorobenzene	8.86	5.0	µg/L	10.0		88.6	70-130			
1,2,4-Trichlorobenzene	9.29	1.0	µg/L	10.0		92.9	70-130			
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130			

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B326948 - SW-846 5030B										
LCS (B326948-BS1)										
Prepared: 12/28/22 Analyzed: 12/29/22										
1,1,2-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130			
Trichloroethylene	11.5	1.0	µg/L	10.0		115	70-130			
Trichlorofluoromethane (Freon 11)	10.2	2.0	µg/L	10.0		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130			
Vinyl Chloride	10.2	2.0	µg/L	10.0		102	40-160			†
m+p Xylene	21.3	2.0	µg/L	20.0		106	70-130			
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130			
Xylenes (total)	31.8	1.0	µg/L	30.0		106	0-200			
Surrogate: 1,2-Dichloroethane-d4	22.8		µg/L	25.0		91.3	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.6		µg/L	25.0		106	70-130			
LCS Dup (B326948-BSD1)										
Prepared: 12/28/22 Analyzed: 12/29/22										
Acetone	123	50	µg/L	100		123	70-160	4.44	25	†
Benzene	9.96	1.0	µg/L	10.0		99.6	70-130	1.21	25	
Bromochloromethane	11.5	1.0	µg/L	10.0		115	70-130	0.175	25	
Bromodichloromethane	10.5	0.50	µg/L	10.0		105	70-130	1.63	25	
Bromoform	10.2	1.0	µg/L	10.0		102	70-130	0.494	25	
Bromomethane	6.38	2.0	µg/L	10.0		63.8	40-160	3.67	25	V-05 †
2-Butanone (MEK)	122	20	µg/L	100		122	40-160	4.21	25	†
Carbon Disulfide	88.1	5.0	µg/L	100		88.1	70-130	2.21	25	
Carbon Tetrachloride	10.4	5.0	µg/L	10.0		104	70-130	2.92	25	
Chlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	0.274	25	
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130	0.185	25	
Chloroethane	10.0	2.0	µg/L	10.0		100	70-130	0.199	25	
Chloroform	10.2	2.0	µg/L	10.0		102	70-130	2.27	25	
Chloromethane	8.99	2.0	µg/L	10.0		89.9	40-160	3.62	25	†
Cyclohexane	10.2	5.0	µg/L	10.0		102	70-130	3.30	25	
1,2-Dibromo-3-chloropropane (DBCP)	7.50	5.0	µg/L	10.0		75.0	70-130	5.48	25	V-05
1,2-Dibromoethane (EDB)	11.7	0.50	µg/L	10.0		117	70-130	2.77	25	
1,2-Dichlorobenzene	9.83	1.0	µg/L	10.0		98.3	70-130	2.78	25	
1,3-Dichlorobenzene	9.66	1.0	µg/L	10.0		96.6	70-130	1.25	25	
1,4-Dichlorobenzene	9.86	1.0	µg/L	10.0		98.6	70-130	1.33	25	
Dichlorodifluoromethane (Freon 12)	10.5	2.0	µg/L	10.0		105	40-160	4.69	25	†
1,1-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130	1.38	25	
1,2-Dichloroethane	11.9	1.0	µg/L	10.0		119	70-130	1.44	25	
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	3.52	25	
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	2.42	25	
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	0.842	25	
1,2-Dichloropropane	11.7	1.0	µg/L	10.0		117	70-130	0.942	25	
cis-1,3-Dichloropropene	9.81	0.50	µg/L	10.0		98.1	70-130	0.305	25	
trans-1,3-Dichloropropene	9.69	0.50	µg/L	10.0		96.9	70-130	1.43	25	
1,4-Dioxane	98.9	50	µg/L	100		98.9	40-130	7.88	50	† ‡
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	0.186	25	
2-Hexanone (MBK)	128	10	µg/L	100		128	70-160	4.96	25	†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	0.0975	25	
Methyl Acetate	14.0	1.0	µg/L	10.0		140 *	70-130	9.01	25	L-07, V-20
Methyl tert-Butyl Ether (MTBE)	9.64	1.0	µg/L	10.0		96.4	70-130	0.207	25	
Methyl Cyclohexane	10.0	1.0	µg/L	10.0		100	70-130	1.51	25	
Methylene Chloride	11.4	5.0	µg/L	10.0		114	70-130	0.526	25	
4-Methyl-2-pentanone (MIBK)	129	10	µg/L	100		129	70-160	3.82	25	V-20 †
Styrene	10.3	1.0	µg/L	10.0		103	70-130	0.00	25	

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QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B326948 - SW-846 5030B										
LCS Dup (B326948-BSD1)										
Prepared: 12/28/22 Analyzed: 12/29/22										
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130	1.79	25	
Tetrachloroethylene	12.3	1.0	µg/L	10.0		123	70-130	3.98	25	
Toluene	11.3	1.0	µg/L	10.0		113	70-130	1.69	25	
1,2,3-Trichlorobenzene	9.20	5.0	µg/L	10.0		92.0	70-130	3.77	25	
1,2,4-Trichlorobenzene	9.33	1.0	µg/L	10.0		93.3	70-130	0.430	25	
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	1.81	25	
1,1,2-Trichloroethane	11.3	1.0	µg/L	10.0		113	70-130	0.0884	25	
Trichloroethylene	12.0	1.0	µg/L	10.0		120	70-130	4.00	25	
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104	70-130	2.33	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	1.0	µg/L	10.0		109	70-130	2.51	25	
Vinyl Chloride	10.7	2.0	µg/L	10.0		107	40-160	4.50	25	†
m+p Xylene	21.5	2.0	µg/L	20.0		107	70-130	0.888	25	
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	0.474	25	
Xylenes (total)	32.1	1.0	µg/L	30.0		107	0-200	0.751		
Surrogate: 1,2-Dichloroethane-d4	23.0		µg/L	25.0		92.2	70-130			
Surrogate: Toluene-d8	25.5		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	26.2		µg/L	25.0		105	70-130			

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B327259 - EPA 200.7										
Blank (B327259-BLK1)				Prepared: 12/30/22 Analyzed: 12/31/22						
Aluminum	0.016	0.050	mg/L							B, J
Iron	ND	0.050	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B327259-BS1)				Prepared: 12/30/22 Analyzed: 12/31/22						
Aluminum	0.493	0.050	mg/L	0.500		98.6	85-115			
Iron	3.97	0.050	mg/L	4.00		99.2	85-115			
Zinc	0.999	0.010	mg/L	1.00		99.9	85-115			
LCS Dup (B327259-BSD1)				Prepared: 12/30/22 Analyzed: 12/31/22						
Aluminum	0.486	0.050	mg/L	0.500		97.2	85-115	1.51	20	
Iron	3.98	0.050	mg/L	4.00		99.6	85-115	0.380	20	
Zinc	0.990	0.010	mg/L	1.00		99.0	85-115	0.912	20	
Duplicate (B327259-DUP1)				Source: 22L2911-01			Prepared: 12/30/22 Analyzed: 12/31/22			
Aluminum	ND	0.050	mg/L		ND			NC	20	
Iron	0.563	0.050	mg/L		0.526			6.72	20	
Zinc	0.0373	0.010	mg/L		0.0350			6.48	20	
Matrix Spike (B327259-MS1)				Source: 22L2911-01			Prepared: 12/30/22 Analyzed: 12/31/22			
Aluminum	0.487	0.050	mg/L	0.500	ND	97.4	70-130			
Iron	4.46	0.050	mg/L	4.00	0.526	98.2	70-130			
Zinc	0.998	0.010	mg/L	1.00	0.0350	96.3	70-130			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B327067 - EPA 1664B
Blank (B327067-BLK1)

Prepared & Analyzed: 12/29/22

Silica Gel Treated HEM (SGT-HEM) ND 1.4 mg/L

LCS (B327067-BS1)

Prepared & Analyzed: 12/29/22

Silica Gel Treated HEM (SGT-HEM) 8.2 1.4 mg/L 10.0 82.0 64-132

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated laboratory blank as well as in the sample.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
PR-08	pH of sample (pH 5) is outside of method specified preservation criteria.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.7 in Water</i>	
Aluminum	CT,NY,MA,NH,RI,NC,ME,VA
Iron	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
<i>SW-846 8260D in Water</i>	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260D in Water</i>	
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

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Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

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YOUR EMAIL

SUBMIT

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.pacelabs.com



Doc# 277 Rev 6 July 2022

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client GES
Received By LA Date 12/2/22 Time 10:41

How were the samples received? In Cooler T No Cooler F On Ice T No Ice F
Direct From Sample F Ambient F Melted Ice F

Were samples within Temperature? Within 2-6°C T By Gun # 5 Actual Temp -38
By Blank # 5 Actual Temp -

Was Custody Seal In tact? T Were Samples Tampered with? F
Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all Client? T Analysis? T Sampler Name? F
pertinent Information? Project? T ID's? T Collection Dates/Times? T

Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? F
Are there Rushes? F Who was notified? F
Are there Short Holds? F Who was notified? F

Samples are received within holding time? T Is there enough Volume? T
Is there Headspace where applicable? N.A. MS/MSD? F
Proper Media/Containers Used? T splitting samples require? F
Were trip blanks receive F On COC? F
Do All Samples Have the proper pH? T Acid T Base F

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.		250 mL Plastic	
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
Sulfuric-		Perchlorate		Ziplock	
					Frozen:

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	
HCL-		500 mL Amb.		500 mL Plastic	
Meoh-		250 mL Amb.		250 mL Plastic	
Bisulfate-		Col./Bacteria		Flashpoint	
DI-		Other Plastic		Other Glass	
Thiosulfate-		SOC Kit		Plastic Bag	
Sulfuric-		Perchlorate		Ziplock	
					Frozen:

Comments:

* One Trip blank and one Influent Vial broken in transit.



Appendix C – Annual System Inspection Form



SYSTEM INSPECTION FORM

Client Name:	NYSDEC		
Site Name:	Carmel Vcc Air		
Address:	300 Falconer St		
GES PM:	T. Palmer	GES Engr:	G. Bond
Inspected By:	M. Karpis	Date:	1/13/23
Inspection:	☒ Routine Annual ☐ Transition ☐ Startup ☐ 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

- ☐ Previously completed system inspection form
- ☐ Tools to open control panel and other equipment
- ☐ Tools to open manholes and well vaults
- ☐ 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? ☒ Yes ☐ No
2. Are Safety Data Sheets (SDS) in HASP? ☒ Yes ☐ No
3. Is GES' Emergency Sign Placard posted in a conspicuous place? ☒ Yes ☐ No
4. Is the site and enclosure clear of trash and debris? ☒ Yes ☐ No
5. Are walkways clear of trip hazards? ☒ Yes ☐ No
6. Are vaults/manholes/trenches in good conditions and locked? ☒ 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? ☒ Yes ☐ No
9. Are on-site soil piles, if present, properly encapsulated? ☐ Yes ☐ No ☒ N/A
10. Are there drums or storage tanks on site? (If YES, answer questions below) ☒ Yes ☐ No
 - Do drums/tanks have secondary containment? ☐ Yes ☒ No
 - Are the drums/tanks in good condition? ☒ Yes ☐ No
 - Are the drums/tanks properly vented and grounded (product drums must be grounded)? ☒ Yes ☐ No
 - Are the drums/tanks properly labeled, including a flammable sticker? ☒ Yes ☐ No

COMMENTS:



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: 1/20/16)	☒ 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

- Skid w/ SUG blower, KO tank, Transfer pump, bag filters
Air stripper, Sump pump, Sewer Bedding pump

1.	Has the system changed since the last inspection?	☐ Yes	☒ No
2.	Was the system operating upon arrival? (Bedding Pump / Stripper only)	☒ Yes	☐ No ☐ N/A
3.	Is an accurate copy of system trenching diagram posted?	☒ Yes	☐ No
4.	Is the posted P&ID accurate? not posted	☐ 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



allow OM&M to be conducted safely?

15. Are supports and braces on vibrating equipment tight?

16. Is all equipment in good operating condition?

☒ Yes ☐ No ☐ N/A
☐ Yes ☒ No

COMMENTS:

System down for Transfer pump issue

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
 b. ☐ Class I Div I ☐ Class I Div II ☐ Not Classified
 c. ☐ Class I Div I ☐ Class I Div II ☐ Not Classified

a)

b)

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

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	<u>M. Keiser</u>	<u>[Signature]</u>	<u>1/13/23</u>
2. Project Engineer	<u>Genevieve Bock</u>	<u>[Signature]</u>	<u>1/15/23</u>
3. Project Manager	<u>Thomas Palmer</u>	<u>[Signature]</u>	<u>1/15/23</u>