Quarterly Groundwater and Vapor Sampling Report
April – June 2022
Roxy Cleaners (442024)
North Greenbush, New York

Prepared for

New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Prepared by

EA Engineering, P.C. and Its Affiliate
EA Science and Technology
269 W. Jefferson Street
Syracuse, New York 13202

October 2022
Version: FINAL
EA Project No. 16025.06

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4 October 2022

Chris Sanson, Project Manager — Date
EA Science and Technology

4 October 2022

James C. Hayward, P.E., Project Engineer — Date
EA Engineering, P.C.

October 2022
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LIST OF ACRONYMNS AND ABBREVIATIONS

µg/L	Microgram(s) per liter
AWQS	Ambient Water Quality Standards
COC	Contaminant of concern
DCE	*cis*-1,2-dichloroethene
EA	Engineering, P.C. and its affiliate EA Science and Technology
EPA	United States Environmental Protection Agency
FS	Feasibility study
No.	Number
NYSDEC	New York State Department of Environmental Conservation
ORP	Oxidation-reduction potential
PCE	Tetrachloroethene
pH	Presence of hydrogen
PID	Photoionization detector
RI	Remedial investigation
TCE	Trichloroethene
VOC	Volatile organic compound

1. INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) tasked EA Engineering, P.C. and its affiliate EA Science and Technology (EA) to perform site management activities at the Roxy Cleaners Site (NYSDEC Site Number [No.] 442024), which includes evaluation and performance of long-term monitoring of groundwater and soil vapor. The area is in a suburban portion of Rensselaer County in North Greenbush, New York (**Figure 1**).

From 1959 to 1998, Roxy Cleaners, Inc. operated a dry-cleaning establishment at this site and allegedly spilled dry-cleaning solvents, which resulted in contamination of the site's soil and groundwater. In 1990, NYSDEC initiated a remedial investigation (RI)/feasibility study (FS) to determine the extent of the contamination. Contaminants were found to be tetrachloroethene (PCE), trichloroethene (TCE), and *cis* 1,2-dichloroethene (DCE). A treatment system was installed in January 1992 to treat impacted groundwater. Treatment system performance was evaluated until December 2021, when the treatment system was shut-off to initiate a rebound study, focused on the groundwater plume and soil vapor associated with the site. As part of the ongoing rebound study for the site, EA is collecting quarterly groundwater, air, and soil vapor samples to evaluate how exactly contaminant of concern (COC) concentrations respond if the plume migrates.

1.1 OBJECTIVES

As part of an ongoing rebound study for 2022, field activities completed at the Roxy Cleaners site have included the collection of aqueous and vapor media to delineate chlorinated volatile organic compounds (VOCs) following the system shutdown on 15 December 2021. This study will assist with the re-evaluation of the treatment system shutdown during 2023. This report will summarize sampling activities and results concerning the second quarter of the rebound study.

1.2 REPORT ORGANIZATION

Monitoring activities are discussed in Section 2, VOC concentration trends are discussed in Section 3, and conclusions and recommendations are discussed in Section 4.

The following are provided as appendixes:

- Appendix A— Daily Field Reports
- Appendix B— Field Forms
- Appendix C— Analytical Summary Table
- Appendix D—Laboratory Reports
- Appendix E— Groundwater Time Series Plots

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2. MONITORING ACTIVITIES

Site activities for the second quarter of 2022 included the gauging of monitoring wells and the collection of groundwater samples. A summary of samples collected during quarter two is provided in **Table 1**. Site activities occurred on 13 June 2022. Daily field reports are included in **Appendix A.**

2.1 GROUNDWATER GAUGING

Groundwater levels were recorded on 13 June 2022, prior to the initiation of groundwater sampling to determine groundwater flow patterns in the overburden and bedrock. Depth to groundwater was measured from 25 wells (**Figures 2 and 3**) by measuring from the top of the inner polyvinyl chloride casing using a water-level indicator. Groundwater depths and total depths are provided in monitoring well gauging logs in **Appendix B** and groundwater contours for bedrock and overburden monitoring wells are detailed in **Figures 4 and 5**.

2.2 GROUNDWATER SAMPLING

A total of 10 groundwater samples were collected, with one matrix spike/matrix spike duplicate, 1 field duplicate, 1 field blank, and 1 trip blank. Quality control samples are summarized in **Table 1**. Wells were purged using a peristaltic pump, with a flow rate of approximately 0.3 liters per minute until the water quality parameters stabilized at which time groundwater samples were collected for analysis of VOCs.

Water quality parameters including temperature, potential hydrogen (pH), oxidation-reduction potential (ORP), conductivity, dissolved oxygen, and turbidity were monitored during purging using a Horiba U-52 water quality monitoring system with flow-through cell. Field parameters were considered stable when the following conditions were met for three consecutive readings:

- pH readings within ± 0.1 pH units
- ORP within ± 10 millivolts
- Dissolved oxygen within 0.3 milligrams per liter
- Specific conductance within ± 3 percent
- Turbidity measurements less than 50 nephelometric turbidity unit.

Dedicated polyethylene tubing was used at each monitoring well location. Non-dedicated sampling equipment (i.e., the water-level indicator) was decontaminated with Alconox detergent and deionized water between well locations to prevent cross-contamination.

In addition, the depth to water was measured throughout purging using a water-level indicator. Water quality parameters, calibration forms, field notes, and groundwater sampling purge forms are provided in **Appendix B**.

Groundwater samples were collected using clean nitrile gloves and placed in laboratory supplied bottle ware containing appropriate preservatives. Samples were placed on ice in sample coolers

immediately after collection to ensure proper preservation. Pertinent sample information was recorded on the associated chain-of-custody, and samples were shipped off-site under secure chain-of-custody protocol. Groundwater samples were sent to Con-test in East Longmeadow, Massachusetts for fixed laboratory analysis of VOCs via Method 8260D.

2.3 AIR SAMPLING

No soil vapor points, or indoor air locations were sampled during the second quarter of 2022. Seven sample vapor points were monitored with a photoionization detector (PID). While performing soil vapor point monitoring, EA confirmed that the SSDS system at [redacted] is functioning.

These same soil vapor points are scheduled to be sampled utilizing Summa® canisters again in the fourth quarter of 2022.

After the first quarter sampling event EA recommended that indoor air sampling be conducted at 184 Main Ave due to the elevated concentrations of VOCs in nearby monitoring wells. EA has attempted to contact the property owner to get permission to conduct indoor air sampling at this location. After attempts to contact the building owner over the phone yielded no results, EA delivered an official letter on behalf of the NYSDEC to the Manger at the [redacted] building on 14 September 2022. The NYSDEC and EA is currently waiting for a response from the property owner.

3. VOLATILE ORGANIC COMPOUND CONCENTRATION TRENDS

COCs in aqueous and gaseous media for the site are PCE, TCE, and DCE. Concentrations of the COCs for the site will serve as a metric to evaluate rebound following system shut-off. In general, VOC concentrations for the second quarter sampling event are comparable to baseline samples, which were collected while the treatment system was operating in the fourth quarter of 2021. Baseline samples were collected from 16 to 18 November 2021, from the same well locations targeted for the quarterly sampling.

3.1 GROUNDWATER COC CONCENTRATION TRENDS

EA compared groundwater analytical results to the NYSDEC Ambient Water Quality Standards (AWQS) of 5 micrograms per liter (µg/L) for PCE, TCE, and DCE. Groundwater COC concentrations for the second quarterly sampling event of 2022 included PCE concentrations in exceedance of NYSDEC AWQS at wells MW-114A, MW-115A, TW-06, TW-08, TW-09, and TW-10. Additionally, DCE exceedances were noted at wells MW115A, TW-06, and TW-08. The maximum detected PCE concentration occurred at TW-10 with a concentration of 210 µg/L. The maximum detected DCE concentration occurred at TW-08 with a concentration of 13 µg/L. It is worth noting that no TCE exceedances occurred for any wells, but detections were present. Vinyl Chloride (VC) was only detected in one well (TW-06) at a concentration of 0.57 µg/L, which is below the AWQS value of 2 µg/L. COC concentrations for wells sampled in the second quarter of 2022 are summarized in **Table 2** and presented in **Figure 6**. Analytical results are summarized in **Appendix C** and laboratory reports are presented in **Appendix D**.

When comparing COC concentrations derived from the second quarterly sampling event of 2022 to baseline samples collected during the fourth quarter of 2021, PCE, TCE, and DCE concentrations all remained comparable. No new exceedances occurred for any analytes at any particular well, nor did any wells that noted elevated concentrations during the baseline sampling event increase in concentration for the second sampling event.

Time series plots for groundwater data are presented in **Appendix E**. Time series plots were created by normalizing analytical concentrations of PCE, TCE, and DCE to the NYSDEC AWQS at 5 µg/L, then plotting them. Non-detect values are plotted as half the limit of detection for each applicable analyte and then normalized by the NYSDEC AWQS value, this is done rather than enter ‘0’ for a non-detect value since the concentration for the analyte could exist anywhere from the laboratory limit of detection to zero.

3.2 AIR AND SOIL VAPOR CONTAMINANT OF CONCERN CONCENTRATION TRENDS

Air samples were not taken in the second quarter of 2022 for the soil vapor monitoring points, but PID readings were taken at all monitoring points and are listed in **Table 3**. PID readings ranged from 0 ppb at the SVP-03 and SVP-05 locations to 4742 ppb at the SVP-01 location. Air sampling utilizing Summa® canisters for all monitoring points is scheduled again in the fourth quarter of 2022. Air sampling results from previous quarters can be found in **Table 4**.

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4. CONCLUSIONS AND RECOMMENDATIONS

The results from the second quarter of sampling indicate groundwater COC concentrations remain comparable to baseline concentrations, revealing slight decreases in COCs but no reduction in the number of wells containing exceedances. Indoor air and soil vapor samples will be sampled again in the fourth quarter of 2022.

Based on results from the second quarterly sampling event for 2022, EA will continue to monitor and evaluate COC concentration trends over the course of the next two sampling events. Upon completion of the fourth sampling event, EA will determine via Mann-Kendall Statistical analysis if concentrations are increasing, decreasing, or not exhibiting a trend. Upon completion of the statistical tests and evaluation of the data, EA will make a recommendation regarding the progress of the rebound study and if additional remedial activities, including an injection event, are warranted at the site.

In the coming quarters EA will replace missing bolts, J-plugs, and locks on appropriate monitoring wells. Wells that could not be located during this quarters sampling event have historically not been found and do not currently provide information on the COC plume onsite.

Groundwater concentrations of site-related COCs detected at temporary wells TW-08, TW-09, and TW-10, located in the parking lot of [redacted] indicate that vapor intrusion of VOCs may be a potential exposure concern for a downgradient property. Both EA and NYSDEC have reached out to the property owner(s) to get permission to install a vapor point and conduct indoor air sampling in the building. To date, no response has been received by either party.

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Tables

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Table 1. Summary of Samples Collected (June 2022)

Well ID	Sample ID	Sample Date	Sample Time	MS/MSD	Trip Blank Associated
Aqueous Media					
MW-115A	442024-MW-115A	06/13/2022	1121	Y	442024-TB
MW-113A	442024-MW-113A	06/13/2022	1146	N	442024-TB
MW-104A	442024-MW-104A	06/13/2022	1215	N	442024-TB
MW-106A	442024-MW-106A	06/13/2022	1252	N	442024-TB
TW-10	442024-TW-10	06/13/2022	1303	N	442024-TB
TW-09	442024-TW-09	06/13/2022	1347	N	442024-TB
TW-08	442024-TW-08	06/13/2022	1406	N	442024-TB
TW-07	442024-TW-07	06/13/2022	1502	N	442024-TB
TW-06	442024-TW-06	06/13/2022	1449	N	442024-TB
MW-111	442024-MW-111	06/13/2022	1600	N	442024-TB
Air Samples					
Canister ID	**Sample ID**	**Sample Date[1]**	**Sample Time**	**MS/MSD**	**Trip Blank Associated**
NA	NA	NA	NA	NA	NA
QC Samples					
Associated Parent Sample	**Sample ID**	**Sample Date**	**Sample Time**	**QC Type**	
442024-MW-113A	442024-FD-06132022	06/13/2022	NA	Field Duplicate	
NA	442024-FB-06132022	06/13/2022	1539	Field Blank	
NA	442024-TB-06132022	*	*	Trip Blank	

Notes:
*Trip blank was filled by and prepared by Pace Analytical
ID = Identification
MS = Matrix spike
MSD = Matrix spike duplicate
MW = Monitoring well
N = No
NA = Not applicable
QC = Quality control
TB = Trip blank
Y =Yes
[1] The sample date is representative of the completion time for a 24-hour sample interval. All samples were deployed successfully for the 24-hour interval.

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Table 2. Summary of Rebound Study Groundwater COC Concentrations and Exceedances (June 2022)

	MW-106A			MW-111			MW-113A			MW-114A			MW-115A			TW-06			TW-07			TW-08			TW-09			TW-10		
DATE	**PCE**	**TCE**	**DCE**	**PCE**	**TCE**	**DCE**	**PCE**	**TCE**	**DCE**	**PCE**	**TCE**	**DCE**	**PCE**	**TCE**	**DCE**	**PCE**	**TCE**	**DCE**	**PCE**	**TCE**	**DCE**	**PCE**	**TCE**	**DCE**	**PCE**	**TCE**	**DCE**	**PCE**	**TCE**	**DCE**
16-18 November 2021 (Baseline)	ND	ND	ND	3.6	ND	ND	NS	NS	NS	ND	ND	ND	**63**	1.8	**9.2**	**19**	ND	**11**	ND	ND	ND	**16**	2.1	**25**	**110**	ND	ND	**200**	ND	ND
15-16 March 2022 (Q1 Sampling Event)	ND	ND	ND	2.0	ND	ND	NS	NS	NS	ND	ND	ND	**49**	1.3	**7.7**	**17**	3.3	**8.2**	0.37 J	ND	ND	**11**	1.0	**14**	**89**	4.1	3.4	**190**	1.3 J	0.54 J
13-15 June 2022 (Q2 Sampling Event)	ND	ND	ND	1.6	ND	ND	ND	ND	0.37 J	ND	ND	ND	**35**	1.1	**6.0**	**12**	6.0	**8.8**	ND	ND	ND	**8.1**	0.8	**13**	**85**	4.4	2.2	**210**	1.4 J	ND

Notes:
--- = Not available
AWQS = Ambient Water Quality Standard
COC = Contaminant(s) of concern
DCE = *cis* 1,2-dichloroethene
E = Result exceeded calibration range
J = Analyte detected between the Reported Detection Limit and the Method Detection Limit; concentration estimated
ND = The analyte was analyzed for but was not detected above the sample reporting limit.
NS = Monitoring well not sampled.
NYSDEC = New York State Department of Environmental Conservation
PCE = Tetrachloroethene
TCE = Trichloroethene
Q1 = Quarter one
Q2 = Quarter two
Samples are reported in microgram(s) per liter (µg/L).
Bold values indicate that the analyte was detected greater than the NYSDEC AWQS of 5 µg/L per each analyte.

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Table 3. Summary of Soil Vapor Point Monitoring (June 2022)

Point ID	Reading Date	Unit	PID Reading
SVP-01	06/13/2022	ppb	4742
SVP-02	06/13/2022	ppb	598
SVP-03	06/13/2022	ppb	0
SVP-04	06/13/2022	ppb	1738
SVP-05	06/13/2022	ppb	0
[redacted] Sub-Slab	06/13/2022	ppb	216
[redacted] Indoor Air	06/13/2022	ppb	549

Notes:
ID = Identification
PID = Photoionization detector
ppb = Part(s) per billion

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Table 4. Summary of Rebound Study Air COC Concentrations (June 2022)

DATE	IA-[redacted]			OA-[redacted]			SV-01			SV-02*			SV-03*			SV-04			SV-05			SV-195		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
November 17, 2021 (Baseline)	6.4	ND	ND	-	-	-	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	16	2.1	25	6.3	0.22	ND
March 16 and April 04, 2022 (Q1 Sampling Event)	5.5	1.1	0.14	ND	ND	ND	ND	ND	ND	0.917 J	ND	ND	1.97	0.428 J	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND
June 13, 2022 (Q2 Sampling Event)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Notes:
1. NYSDOH Ambient Air Guidelines and Immediate Action Levels apply to indoor air and outdoor air samples; New York currently does not have any standards, criteria, or guidance values for concentrations of compounds in sub-slab vapor. Guidelines and Action Levels are based on the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, and NYSDOH Soil Vapor Intrusion Updates dated September 2013 and August 2015.
*A second sampling effort was required to collect these samples. Samples could not be collected at SV-02 and SV-03 in March due to faulty gauges for the Summa® canisters.
--- = Not available
DCE = cis 1,2-dichloroethene
J = Analyte detected between the Reported Detection Limit and the Method Detection Limit; concentration estimated
NC = Sample not collected during the quarterly sampling event.
ND = The analyte was analyzed for but was not detected above the sample reporting limit.
NYSDEC = New York State Department of Environmental Conservation
PCE = Tetrachloroethene
TCE = Trichloroethene
Samples are reported in microgram(s) per cubic meter ($\mu g/m^3$).

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Figures

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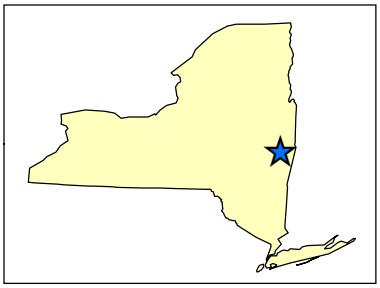

Legend

★ Site Location

0 0.125 0.25 0.5
Miles

1 inch = 0.25 miles

N

Figure 1
SITE LOCATION MAP
Roxy Cleaners Site (Site No. 442024)
North Greenbush, New York

Map Date: 4/29/2022
Projection: NAD_1983_StatePlane_New_York_East_FIPS_3101_Feet

NEW YORK Department of Environmental Conservation

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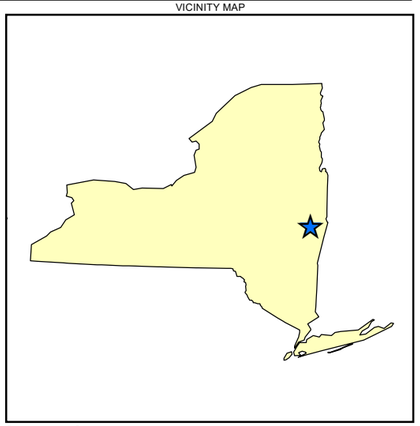
VICINITY MAP



Legend

- Overburden Monitoring Well
- Bedrock Monitoring Well
- Recovery Well
- Bedrock Injection Wells
- InjectionTrench
- Roxy Cleaners Parcel
- Proposed Overburden Well Location
- Temporary Monitoring Well Location
- Proposed Soil Vapor Point Location

Map Date: 9/15/2022
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

N

0 125 250
Feet

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

Figure 2
NEWLY INSTALLED MONITORING WELL AND SOIL VAPOR POINT LOCATIONS
Roxy Cleaners Site (Site No. 442024)
North Greenbush, New York

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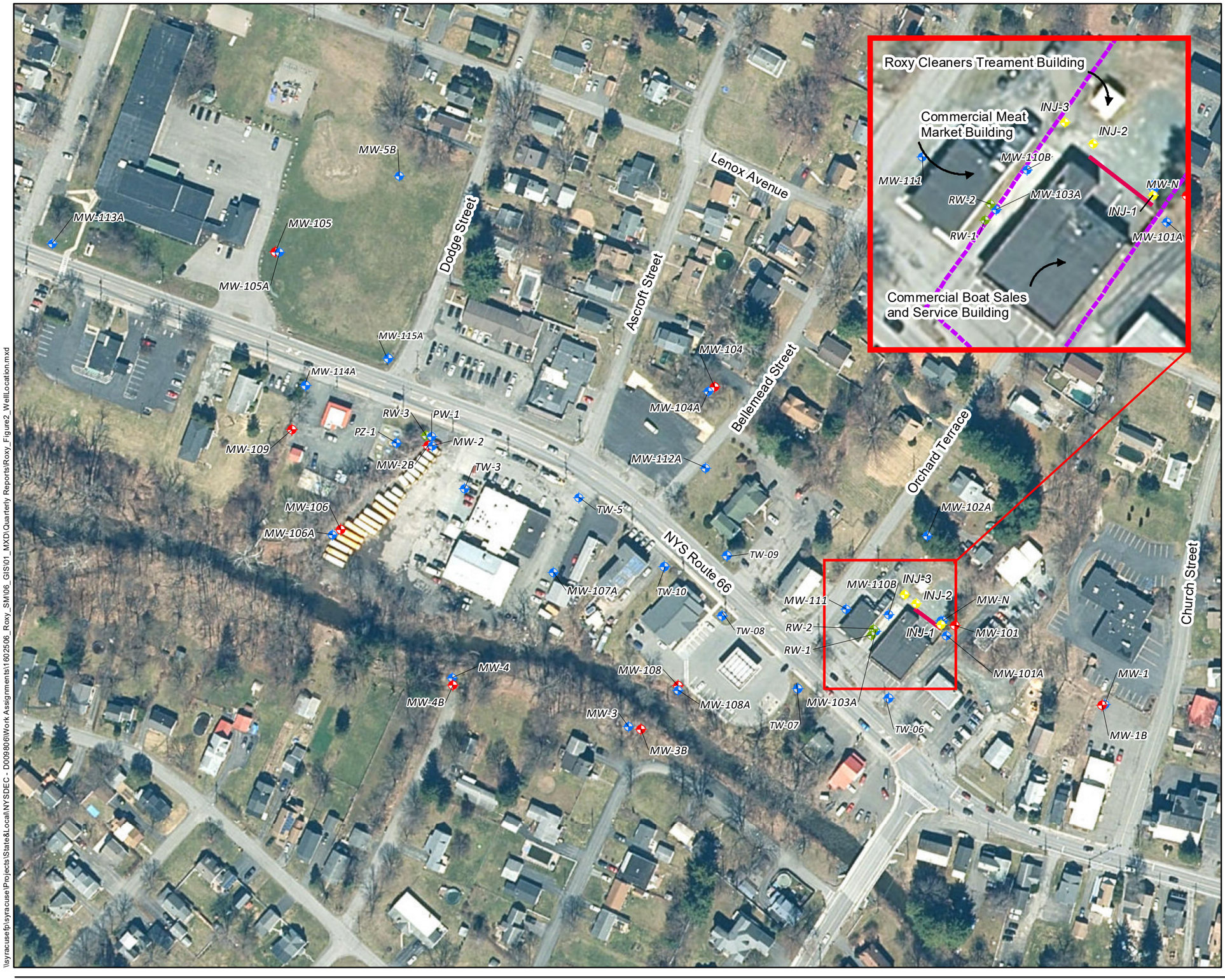

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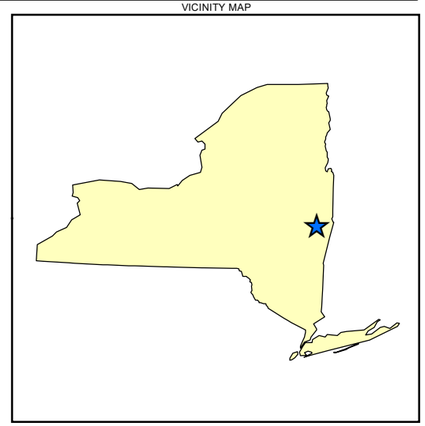
Figure 3
MONITORING WELL LOCATIONS
Roxy Cleaners Site (Site No. 442024)
North Greenbush, New York

VICINITY MAP



Legend

- Overburden Monitoring Well
- Estimated Groundwater Elevation (ft AMSL)
- Estimated Groundwater Flow Direction

Note:
AMSL = Above mean sea level

Map Date: 8/4/2022
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

N

0 150 300
Feet

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Figure 4
Roxy Cleaners June 2022
Overburden Groundwater Elevation
Roxy Cleaners Site (Site No. 442024)
North Greenbush, New York

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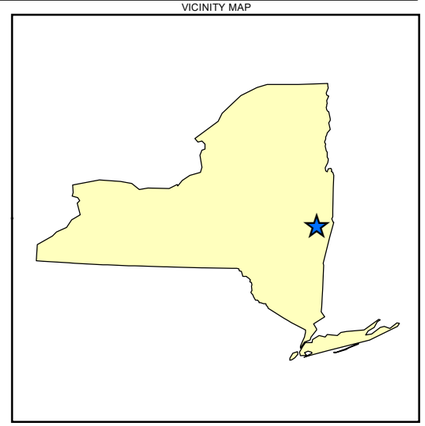
VICINITY MAP



Legend

- Bedrock Monitoring Well
- Estimated Groundwater Elevation (ft AMSL)
- Estimated Groundwater Flow Direction

Note:
AMSL = Above mean sea level

Map Date: 8/4/2022
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

N

0 150 300
Feet

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Figure 5
Roxy Cleaners June 2022
Bedrock Groundwater Elevation
Roxy Cleaners Site (Site No. 442024)
North Greenbush, New York

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MW-113A	
Analyte	Result (µg/L) 06/13/2022
1,2-DCE	0.37 J
PCE	<1.0 U
TCE	<1.0 U

MW-115A	
Analyte	Result (µg/L) 06/13/2022
1,2-DCE	**6.0**
PCE	**35**
TCE	1.1

MW-114A	
Analyte	Result (µg/L) 06/13/2022
1,2-DCE	<1.0 U
PCE	<1.0 U
TCE	<1.0 U

TW-09	
Analyte	Result (µg/L) 06/15/2022
1,2-DCE	2.2
PCE	**85**
TCE	4.4

MW-111	
Analyte	Result (µg/L) 06/13/2022
1,2-DCE	<1.0 U
PCE	1.6
TCE	<1.0 U

MW-106A	
Analyte	Result (µg/L) 06/13/2022
1,2-DCE	<1.0 U
PCE	<1.0 U
TCE	<1.0 U

TW-10	
Analyte	Result (µg/L) 06/13/2022
1,2-DCE	<1.0 U
PCE	**210**
TCE	1.4 J

TW-08	
Analyte	Result (µg/L) 06/13/2022
1,2-DCE	**13**
PCE	**8.1**
TCE	0.8

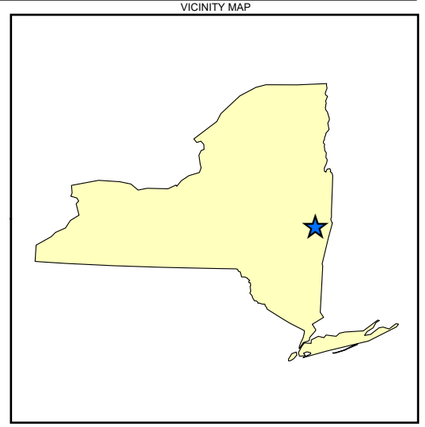
TW-07	
Analyte	Result (µg/L) 06/13/2022
1,2-DCE	<1.0 U
PCE	<1.0 U
TCE	<1.0 U

TW-06	
Analyte	Result (µg/L) 06/13/2022
1,2-DCE	**8.8**
PCE	**12**
TCE	**6.0**

New York State Ambient Water Quality Standard and Guidance Values Class GA	
Analyte	Concentration (µg/L)
1,2-DCE	5.0
PCE	5.0
TCE	5.0

Notes:
µg/L=micrograms per liter
1,2-DCE= cis-1,2-Dichloroethylene
PCE=Tetrachloroethylene
TCE=Trichloroethylene
U=Non detect
J=Concentration is an estimated value
Bold is any value that exceeds the NYS

VICINITY MAP



Legend

- Overburden Monitoring Well
- Bedrock Monitoring Well
- Recovery Well
- Bedrock Injection Wells
- InjectionTrench
- Roxy Cleaners Parcel

Map Date: 9/15/2022
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

N
0 120 240
Feet

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

Figure 6
Roxy Cleaners June 2022
Analytical Groundwater Data
Roxy Cleaners Site (Site No. 442024)
North Greenbush, New York

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Appendix A

Daily Field Reports

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DAILY FIELD REPORT **Day: Monday Date: 06/13/2022**

Temperature: (F) 68°F

Wind Direction: N/A

Project Name: Roxy Cleaners

Weather: Partly Sunny (am)

Sunny (pm)

NYSDEC Site # 442024

Contract # D009806 **Arrive at site:** 0730

Location: Watervliet, New York **Leave site:** 1645

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? (If yes, list the deviation under items for concern) Yes ( ) No (x)

Are monitoring results at acceptable levels?	Soil	Yes ( )	n/a (x)	* No ( )
	Waters	Yes ( )	n/a (x)	* No ( )
	Air	Yes ( )	n/a (x)	* No ( )

OTHER ITEMS:

- *If No, provide comments*

Site Sketch Attached: Yes ( ) No (x)
Photos Taken: Yes ( ) No (x)

DESCRIPTION OF DAILY WORK PERFORMED:

(730) M. Gilkey (EA), L. Backman-Lowe (EA), and L. Casey (EA) arrived onsite. (0735) EA calibrated the Horibas and PIDs. (0750) D. Vaga and J. Grzywacz of MJ Engineering arrived onsite to perform the well and soil vapor point survey. (0815) EA began the site gauging event. EA could not locate wells MW-105A, MW-101, or MW-101A. MJ Engineering could not locate TW-1, TW-2, TW-3. The TW-1 through TW-3 wells are believed to be destroyed during construction around the bus garage. (1055) M. Gilkey (EA) gained access to [redacted] and took readings of indoor air and sub slab vapor. (1056) EA started purging and sampling wells that were indicated for 2022 quarterly sampling, MW-105A could not be found and was not sampled. See table below for sample times and QA/QC samples. (1539) L. Backman - Lowe (EA) collected the field blank. (1600) M. Gilkey and L. Backman-Lowe (EA) took soil vapor readings of the soil vapor points on and offsite. L. Casey (EA) sampled the last well. (1645) EA and MJ Engineering offsite.

SAMPLING (Soil/Water/Air)

The groundwater following samples were collected on 06/14/2022 for VOCs:

Sample ID	Sample Time	Split with
442024-MW-115A	1121	MW/MSD
442024-MW-113A	1146	DUP
442024-MW-104A	1215	
442024-MW-106A	1252	
442024-TW-10	1303	
442024-TW-09	1347	
442024-TW-08	1406	
442024-TW-07	1502	
442024-TW-06	1449	
442024-MW-111	1600	

DAILY FIELD REPORT

Day: Monday Date: 06/13/2022

Soil Vapor Point Monitoring

The following soil vapor points were monitored on 06/14/2022 with PID:

Point ID	Unit	PID Reading
SVP-01	ppb	4742
SVP-02	ppb	598
SVP-03	ppb	0
SVP-04	ppb	1738
SVP-05	ppb	0
SVP[redacted] Sub Slab	ppb	216
SVP[redacted] Indoor Air	ppb	549

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: M. Gilkey, L. Backman-Lowe, N. Robinson

EA equipment: Two ppbRAE, two Horiba U52-2 Water Quality Meter, two Heron Skinny Dipper 200' Water Level Meters, two Peristaltic pumps, hand tools

Subcontractor personnel: David Vaga, Jacek Grzywacz (MJ Engineering)

Subcontractor equipment: Surveying equipment

(*Indicates active equipment)

Other Subcontractors: None

VISITORS TO SITE:

None

PROJECT SCHEDULE ISSUES:

None

PROJECT BUDGET ISSUES:

None

ITEMS OF CONCERN:

MW-105A was unable to be located.

COMMENTS:

None

ATTACHMENT(S) TO THIS REPORT:

None

SITE REPRESENTATIVE:

Name: Moriah Gilkey

Moriah Gilkey

06/14/2022

Appendix B

Field Forms

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FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 6/13/22
TIME: 0751
METER ID: 044190

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	3.96	4.00

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.48	4.50

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	1.2	0

COMMENTS

SIGNATURE

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 06/13/22
TIME: 0754
METER ID: 41890

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.00	3.96

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.50	4.47

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	1.4	0.0

COMMENTS

66 F, mostly cloudy

SIGNATURE

FIELD CALIBRATION FORM

Site Name:

INSTRUMENT: ppb RAE 3000+	INSTRUMENT ID No: 18321
OPERATOR: LBL	WEATHER: 66 F, mostly cloudy
SPAN GAS TYPE: Isobutylene 10ppm	DATE: 06/13/22
CALIBRATION NOTES:	
zero cal: 0 ppb	
span cal: 9997 ppb	
COMMENTS: N/A	
SIGNATURE: [signature]	DATE: 06/13/22

FIELD CALIBRATION FORM

Site Name:

INSTRUMENT: ppbRAE 3000+	INSTRUMENT ID No: 46507
OPERATOR: LBL	WEATHER: 66F, mostly cloudy
SPAN GAS TYPE: Isobutylene 10 ppm	DATE: 06/13/22
CALIBRATION NOTES:	
zero cal: 0 ppb	
span cal: 9998 ppb	
COMMENTS: N/A	
SIGNATURE: Linda Burlingame	DATE: 06/13/22

MONITORING WELL GAUGING LOG

Inspector(s): M. Gilkey & L. Beckman-Lowe
Weather Conditions: Sunny 70°F

Site Name: Roxy Cleaners (NYSDEC) 442024
Date/Time: 06/13/22 0800

Well ID	PID Reading (ppm)	DTW (ft. below TOC)	DTB (ft. below TOC)	Well Condition / Notes
MW-1	1299 ppb	12.85	54.71	Needs bolts 0830
MW-1B				hole filled in could not gauge. 0830
MW-2	0	12.81	39.05	
MW-2B	0	12.31	66.97	
MW-3	0.0 ppb	8.18	30.79	No lock - 0823
MW-3B	0.0 ppb	6.89	59.44	No lock - 0820
MW-4	0.0 ppb	7.33	47.83	No lock - 0815
MW-4B	0.0 ppb	7.26	66.71	No Iplug - no internal well seal, No lock - 0810
MW-101 ?				could not locate 0840
MW-101A ?				could not locate 0840
MW-102A ?				Could ø locate
MW-103A	0.0 ppb	9.58	19.49	No cap/bolts 0858
MW-104	0.0 ppb	23.32	50.05	No lock 0935
MW-105	3513 ppb	4.58	58.15	
MW-105A ?				Could ø locate
MW-106	0	11.13	54.91	
MW-106A	0	10.74	28.69	
MW-107	0.0 ppb	0.65*	7.88*	Casing is damaged water & well depth inaccurate
MW-107A	0	10.31		Cover of PVC (4") Damaged ø well plug
MW-108	0.0 ppb	6.79	42.78	No lock, riser cap broken 0920
MW-108A	0.0 ppb	6.95	21.97	0922
MW-109	0.0 ppb	6.99	43.38	0945

MONITORING WELL GAUGING LOG

Site Name:

Inspector(s):

Date/Time:

Weather Conditions:

Well ID	PID Reading (ppm)	DTW (ft. below TOC)	DTB (ft. below TOC)	Well Condition / Notes
MW-111	219 ppb	9.25	20.46	NC bolts, no internal well seal 0905
MW-113A	0	7.03	29.32	
MW-114A	0	7.81	40.57	
MW-115A	0	6.24	30.42	
TW-5	0	10.01	15.98	Well plug Damaged
TW-06	11.4 ppm	8.40	21.40	0909, well cap opened before PID reading taken
TW-07	6728 ppb	8.55	22.98	0915
TW-08	1607 ppb	8.90	23.07	0912
TW-09	11.67 ppm	9.34	18.33	0925
TW-10	4543	8.49	19.69	0955, surface casing removed from well pad -

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-115A	EA Personnel: M. Gilkey, L. Backman-Lowe	Client: NYSDEC
Location: Roxy Cleaners - North Greenbush	Well Condition: Fine	Weather: 75 F, sun
Sounding Method: Heron Skinny Dipper	Gauge Date: 06/13/22 Gauge Time:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): NA	PID Headspace Reading: 0.0	Well Diameter (in): 2"

Purge Date: 6/13/22	Purge Time: 1056
Purge Method: Low Flow via Peristaltic Pump	Field Technician: M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft): ~~29.32~~ (LBL)	D. Well Volume (ft):	Depth/Height of Top of PVC: <6"
B. Depth to Water (ft): 6.25	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
11:00	6.14	0.532	35.1	1.46	27.84	129	6.25	0.3	
11:03	6.26	0.594	29.4	0.78	27.10	121	6.25	0.3	
11:06	6.26	0.666	23.7	0.55	26.28	116	6.23	0.3	
11:09	6.26	0.693	22.3	0.52	25.71	~~114~~	6.23	0.3	
11:12	6.25	0.699	22.1	0.52	25.39	113	6.23	0.3	
11:15	6.24	0.697	21.4	0.53	25.29	112	6.23	0.3	
11:18	6.24	0.692	20.4	0.52	25.28	111	6.23	0.3	
11:21	SAMPLE								

Total Quantity of Water Removed (gal):	1.189	Sampling Time:	11:21
Samplers:	LC	Split Sample With:	~~DUP~~ (FLOW) MS/MSD
Sampling Date:	6/13/22	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

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EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-113A	EA Personnel: M. Gilkey, L. Backman-Lowe	Client: NYSDEC
Location: Roxy Cleaners - North Greenbush	Well Condition: OK	Weather: Sunny 65
Sounding Method: Heron Skinny Dipper	Gauge Date: 06/13	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): Flush	Gauge Time:	Well Diameter (in): 2" PVC
	PID Headspace Reading: 0.0	

Purge Date: 06/13/22	Purge Time: 11 14
Purge Method: Low Flow via Peristaltic Pump	Field Technician: M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft): 29.02	D. Well Volume ~~(ft)~~ (gal/ft): 0.163	Depth/Height of Top of PVC: < 6"
B. Depth to Water (ft): 7.03	E. Well Volume (gal) (C*D): 3.58	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 21.99	F. Three Well Volumes (gal) (E3): 10.75	Pump Intake Depth: ~~NA~~ pull up 5' from bottom of well

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1119	6.15	0.704	188	1.22	14.49	117		~~0.03~~	0.0
1122	6.19	0.693	129	0.24	13.93	104			0.9
1125	6.37	0.687	99.3	0	13.67	94	7.11		1.8
1128	6.41	0.687	77.0	0	13.26	84	7.09		2.7
1131	6.42	0.687	71.2	0	13.18	83	7.08		3.6
1134	6.43	0.687	51.0	0	13.03	81	7.08		4.5
1137	6.44	0.689	36.3	0	12.92	79	7.08		5.4
1140	6.44	0.690	27.5	0	12.89	77	7.08		6.3
1143	6.46	0.691	19.0	0	12.82	75	7.08		7.2
1146	6.45	0.691	10.1	0	12.82	74	7.00		8.1
1149									

Total Quantity of Water Removed (gal): 2.14 gal
Samplers: MG/LBL/LC
Sampling Date: 06/13/22
Sampling Time: 1146
Split Sample With: DUP
Sample Type: GW Grab

COMMENTS AND OBSERVATIONS:

18 x 2 = 36

11 11 6. 3

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1164A (LW)	EA Personnel: M. Gilkey, L. Backman-Lowe	Client: NYSDEC
Location: Roxy Cleaners - North Greenbush	Well Condition:	Weather:
Sounding Method: Heron Skinny Dipper	Gauge Date:	Measurement Ref: Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	PID Headspace Reading:	Well Diameter (in):

Purge Date: 6/13/22	Purge Time: 1142
Purge Method: Low Flow via Peristaltic Pump	Field Technician: M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 7.85	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
11:45	6.19	0.448	3.3	3.69	18.95	46	7.85	0.25	
11:48	6.04	0.576	3.1	1.53	18.24	23	7.85	0.25	
11:51	6.02	0.604	3.6	1.31	17.97	11	7.85	0.25	
11:54	6.02	0.628	8.5	1.16	17.68	2	7.95	0.25	
11:57	6.04	0.638	10.3	1.08	17.53	-3	7.95	0.25	
12:00	6.05	0.654	8.4	1.06	17.13	-7	7.95	0.25	
12:03	6.05	0.661	6.9	1.03	17.00	-7	7.95	0.25	
12:06	6.06	0.665	6.6	1.03	16.90	-6	7.95	0.25	
12:09	6.07	0.668	6.4	1.02	16.75	-5	7.95	0.25	
12:12	6.07	0.670	6.5	0.99	16.74	-5	7.95	0.25	
12:15				SAMPLE					

Total Quantity of Water Removed (gal):		Sampling Time:	12:15
Samplers:	LL	Split Sample With:	
Sampling Date:	6/13/22	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

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EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-106A	**EA Personnel:** M. Gilkey, L. Backman-Lowe	**Client:** NYSDEC
Location: Roxy Cleaners - North Greenbush	**Well Condition:** Good	**Weather:** 70°F Sunny
Sounding Method: Skinny Dipper	**Gauge Date:** 06/13/22 **Gauge Time:**	**Measurement Ref:** Top of Casing (TOC)
Stick Up/Down (ft): Stickup 2ft	**PID Headspace Reading:**	**Well Diameter (in):** 2"

Purge Date: 06/13/22	**Purge Time:** 1223
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft):	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1225	6.98	0.733	63.8	0.87	13.19	28	10.94	0.3	
1228	7.03	0.735	3.6	0.77	13.16	-14	10.94		
1231	7.06	0.738	0.0	0.71	12.93	-21	10.94		
1234	7.06	0.739	0.0	0.64	12.71	-17	10.94		
1237	7.07	0.739	0.0	0.61	12.57	-11	10.94		
1240	7.07	0.738	0.0	0.54	12.45	-8	10.94		
1243	7.08	0.738	0.0	0.53	12.35	-5	10.94		
1246	7.08	0.737	0.0	0.53	12.34	-3	10.94		
1249	7.08	0.737	0.0	0.54	12.26	-1	10.94		
1252	7.09	0.737	0.0	0.53	12.32	1	10.94		
1255									

Total Quantity of Water Removed (gal):		**Sampling Time:**	1252
Samplers:	NG/LBL	**Split Sample With:**	
Sampling Date:	06/13/22	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-10	EA Personnel: M. Gilkey, L. Backman-Lowe	Client: NYSDEC
Location: Roxy Cleaners - North Greenbush	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref: Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	PID Headspace Reading:	Well Diameter (in):

Purge Date: 6/13/22	Purge Time: 1226
Purge Method: Low Flow via Peristaltic Pump	Field Technician: M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 8.70	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1230	6.38	0.569	25.2	3.94	18.01	64	8.70	0.26	
1233	6.37	0.570	52.7	3.45	17.71	73	8.70	0.26	
1236	6.36	0.568	50.7	3.31	17.38	82	8.55	0.26	
1239	6.36	0.570	43.4	3.29	17.14	85	8.55	0.26	
1242	6.35	0.574	35.4	3.25	17.15	89	8.55	0.26	
1245	6.35	0.580	22.5	3.30	16.70	93	8.55	0.26	
1248	6.35	0.583	23.8	3.33	16.71	93	8.55	0.26	
1251	6.35	0.583	16.1	3.30	16.60	94	8.55	0.26	
1254	6.34	0.593	15.7	3.37	16.52	96	8.55	0.26	
1257	6.34	0.596	15.4	3.40	16.50	97	8.55	0.26	
1300	6.34	0.598	15.2	3.42	16.47	97	8.55	0.26	
1303				SAMPLE					

Total Quantity of Water Removed (gal):		Sampling Time:	1303
Samplers:	LC	Split Sample With:	
Sampling Date:	6/13/22	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-09	**EA Personnel:** M. Gilkey, L. Backman-Lowe	**Client:** NYSDEC
Location: Roxy Cleaners - North Greenbush	**Well Condition:** Good	**Weather:** sunny
Sounding Method: Skinny Dipper	**Gauge Date:** 06/13/22	**Measurement Ref:** Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	**PID Headspace Reading:**	**Well Diameter (in):** 2"

Purge Date: 06/13/22	**Purge Time:** 1317
Purge Method: Low Flow via Peristaltic Pump	**Field Technician:** M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft):	**E. Well Volume (gal) (C*D):**	**Pump Type:** Peristaltic Pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:** NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1320	6.70	1.93	54.3	0.99	15.03	87		0.30	
1323	6.67	1.90	19.1	0.48	15.31	76	9.43		
1326	6.62	1.84	6.9	0.92	15.42	67	9.44		
1329	6.61	1.80	2.1	1.41	15.39	60	9.45		
1332	6.60	1.78	0.0	1.49	15.29	55	9.45		
1335	6.60	1.76	0	1.50	15.15	53	9.46		
1338	6.60	1.73	0	1.56	15.20	50	9.45		
1341	6.60	1.72	0	1.61	15.13	50	9.45		
1344	6.61	1.72	0	1.74	15.21	48	9.45		
1347	6.61	1.67	0	1.79	15.09	48	9.45		
1350									

Total Quantity of Water Removed (gal):		**Sampling Time:**	1347
Samplers:	MG/LBL	**Split Sample With:**	
Sampling Date:	06/13/22	**Sample Type:**	GW Grab

COMMENTS AND OBSERVATIONS:

10 3
x 2 x 2
20 6

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-08	EA Personnel: M. Gilkey, L. Backman-Lowe	Client: NYSDEC
Location: Roxy Cleaners - North Greenbush	Well Condition:	Weather: 77 F, SUN
Sounding Method: Heron Skinny Dip	Gauge Date: 06/13/22 Gauge Time: 0912	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): N/A	PID Headspace Reading: 1607 ppb	Well Diameter (in): 2"

Purge Date: 6/13/22	Purge Time: 1323
Purge Method: Low Flow via Peristaltic Pump	Field Technician: M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft): 23.07	D. Well Volume (~~ft~~): 0.163 gal	Depth/Height of Top of PVC: < 6"
B. Depth to Water (ft): 8.85	E. Well Volume (gal) (C*D): 2.32	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 14.22	F. Three Well Volumes (gal) (E3): 6.96	Pump Intake Depth: ~~NA~~ 5 ft up from bottom (screen midpt.)

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1325	6.57	0.386	32.9	3.12	23.55	4	8.96	0.25	0.0
1328 ~~1330~~	6.44	0.384	32.0	2.09	22.69	61	8.96	0.25	0.75
1331 ~~1335~~	6.38	0.387	29.2	1.84	22.26	58	8.96	0.25	1.50
1334 ~~1340~~	6.37	0.400	26.4	1.66	21.97	59	8.96	0.25	2.25
1337	6.35	0.438	22.7	1.39	21.76	52	8.96	0.25	3.00
1340	6.35	0.456	23.0	1.32	21.95	51	8.96	0.25	3.75
1343	6.35	0.473	21.9	1.28	22.14	49	8.96	0.25	4.50
1346	6.34	0.501	21.2	1.19	22.17	48	8.96	0.25	5.25
1349	6.35	0.530	21.0	1.15	22.14	46	8.96	0.25	6.00
1352	6.34	0.547	19.1	1.09	22.10	44	8.96	0.25	6.75
1355	6.36	0.551	15.4	0.98	21.98	45	8.96	0.25	7.50
1358	6.34	0.588	13.7	0.96	21.94	44	8.96	0.25	8.25
1401	6.34	0.590	14.2	0.96	21.93	44	8.96	0.25	9.00
1403	6.34	0.594	13.9	0.95	21.90	43	8.96	0.25	9.75
1406				SAMPLE					

Total Quantity of Water Removed (gal):		Sampling Time:	1406
Samplers:	LBL, LC	Split Sample With:	N/A
Sampling Date:	06/13/22	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-7	EA Personnel: M. Gilkey, L. Backman-Lowe	Client: NYSDEC
Location: Roxy Cleaners - North Greenbush	Well Condition: Good	Weather: 79 F, sun
Sounding Method: Heron Skinny Dipper	Gauge Date: 06/13/22 Gauge Time:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): N/A	PID Headspace Reading: 6728 ppb	Well Diameter (in): 2"

Purge Date: 06/13/22	Purge Time: 1406
Purge Method: Low Flow via Peristaltic Pump	Field Technician: M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft): 22.98	D. Well Volume ~~(ft)~~: gal/ft 0.163	Depth/Height of Top of PVC:
B. Depth to Water (ft): 8.55	E. Well Volume (gal) (C*D): 2.35	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B): 14.43	F. Three Well Volumes (gal) (E3): 7.05	Pump Intake Depth: ~~NA~~ 5 ft from well bottom (screen midpt.)

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1408	6.71	0.692	91.7	1.18	13.08	9	9.25	0.25	0.0
1411	6.64	0.679	161	0.19	12.95	-43	9.09	0.25	0.75
1414	6.66	0.677	256	0.04	12.84	-80	9.06	0.25	1.50
1417	6.66	0.675	350	0.00	12.73	-101	9.06	0.25	2.25
1420	6.64	0.664	888	0	12.70	-126			
1423	6.55	0.629	1000*	0.80	12.74	-82			
1426	Purge stopped to flush Horiba								
1429 (resume purge)	no reading								
1432	6.52	0.636	224	0.69	13.22	-67	9.13	0.20	
1435	6.59	0.637	139	1.54	13.45	-70			
1438	6.58	0.625	260	1.72	13.41	-64			
1441	6.53	0.612	311	1.58	13.44	-58			
1444	6.51	0.607	346	2.13	13.44	-54	9.08		
1447	6.49	0.602	365	2.41	13.44	-53			
1450	6.49	0.599	385	2.60	13.45	-51			
1453	6.46	0.598	395	2.73	13.38	-49			

Total Quantity of Water Removed (gal):		Sampling Time:	1502
Samplers:	MG/LBL	Split Sample With:	
Sampling Date:	06/13/2022	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

*Blinking 1000NTU indicates above max range

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-7 2nd page	EA Personnel: M. Gilkey, L. Backman-Lowe	Client: NYSDEC
Location: Roxy Cleaners - North Greenbush	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref: Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	PID Headspace Reading:	Well Diameter (in):

Purge Date:	Purge Time:
Purge Method: Low Flow via Peristaltic Pump	Field Technician: M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
from previous page									
1453	6.46	0.598	395	2.73	13.38	-49	9.02	0.20	
1456	6.47	0.597	382	2.93	13.37	-47		1	
1459	6.47	0.597	371	2.96	13.40	-46		1	
1502	6.47	0.597	375	2.97	13.38	-45			

Total Quantity of Water Removed (gal):		Sampling Time:	1502
Samplers:	MG/LBL	Split Sample With:	
Sampling Date:	06/13/22	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-06	EA Personnel: M. Gilkey, L. Backman-Lowe	Client: NYSDEC
Location: Roxy Cleaners - North Greenbush	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref: Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	PID Headspace Reading:	Well Diameter (in):

Purge Date: 6/13/22	Purge Time: 1422
Purge Method: Low Flow via Peristaltic Pump	Field Technician: M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 8.25	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1425	6.73	1.25	337	1.77	18.60	-208	9.66	0.25	0.0
1428	6.88	1.27	90.6	1.27	17.64	-216	12.05	0.25	0.75
1431	6.91	1.27	64.3	1.18	17.46	-215	12.34	0.25	1.50
1434	6.92	1.26	56.4	1.09	17.31	-214	13.20	0.25	2.25
1437	6.92	1.26	51.6	1.64	17.23	-214	14.60	0.25	3.00
1440	6.93	1.26	36.2	0.99	17.19	-214	15.29	0.25	3.75
1443	10.93	1.26	23.5	0.96	17.18	-212	16.78	0.25	4.50
1446	6.93	1.26	22.4	0.95	17.13	-210	17.20	0.25	5.25
1449	—	—	—	—	SAMPLE	—	—	—	~~6.00~~
									6.75

Total Quantity of Water Removed (gal):		Sampling Time:	1449
Samplers:	LE	Split Sample With:	
Sampling Date:	6/13/22	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-111	EA Personnel: M. Gilkey, L. Backman-Lowe	Client: NYSDEC
Location: Roxy Cleaners - North Greenbush	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref: Top of Casing (TOC)
	Gauge Time:	
Stick Up/Down (ft):	PID Headspace Reading:	Well Diameter (in):

Purge Date: 6/13/22	Purge Time: 1525
Purge Method: Low Flow via Peristaltic Pump	Field Technician: M. Gilkey, L. Backman-Lowe

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 9.23	E. Well Volume (gal) (C*D):	Pump Type: Peristaltic Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth: NA

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1527	7.00	0.320	5.0	5.59	18.67	3	9.23	0.25	0.0
1530	6.93	0.320	3.6	5.23	18.45	5	9.2	0.25	0.75
1533	6.84	0.318	3.0	4.61	18.53	7	9.2	0.25	1.50
1536	6.79	0.321	1.8	4.31	18.49	8	9.2	0.25	2.25
1539	6.75	0.318	1.8	4.16	18.76	5	9.23	0.25	3.00
1542	6.71	0.322	1.2	4.05	19.00	-4	9.23	0.25	3.75
1545	6.69	0.323	1.2	3.95	18.91	-14	9.23	0.25	4.50
1548	6.67	0.328	1.4	3.88	18.82	-24	9.23	0.25	5.25
1551	6.66	0.330	1.2	3.88	18.86	-31	9.23	0.25	6.00
1554	6.64	0.331	1.3	3.96	18.89	-36	9.23	0.25	6.75
1557	6.61	0.333	1.1	3.87	18.90	-34	9.23	0.25	7.50
1600					SAMPLE				

Total Quantity of Water Removed (gal):		Sampling Time:	1600
Samplers:	LC	Split Sample With:	
Sampling Date:	6/13/22	Sample Type:	GW Grab

COMMENTS AND OBSERVATIONS:

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Appendix C

Analytical Summary Table

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Table C-1. Groundwater Analytical Results

			Location ID	MW-106A	MW-111	MW-113A	MW-113A	MW-114A	MW-115A	TW-06	TW-07	TW-08	TW-09	TW-10
			Sample Name	442024-MW-106A	442024-MW-111	442024-FD-06132022	442024-MW-113A	442024-MW-114A	442024-MW-115A	442024-TW-06	442024-TW-07	442024-TW-08	442024-TW-09	442024-TW-10
			Sample Date	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
			Parent Sample ID			442024-MW-113A								
Analyte	**NYSDEC AWQS[1]**	**Unit**		**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1,2-Tetrachloroethane	5	ug/L		< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.36 U
1,1,1-Trichloroethane (TCA)	5	ug/L		< 0.17 U	< 0.17 U	< 0.17 U	1.5	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.34 U
1,1,2,2-Tetrachloroethane	5	ug/L		< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.25 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	ug/L		< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.45 U
1,1,2-Trichloroethane	1	ug/L		< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.37 U
1,1-Dichloroethane	5	ug/L		< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.28 U
1,1-Dichloroethene	5	ug/L		< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.28 U
1,1-Dichloropropene	5	ug/L		< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.3 U
1,2,3-Trichlorobenzene	NSL	ug/L		< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.61 U
1,2,3-Trichloropropane	5	ug/L		< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.56 U
1,2,4-Trichlorobenzene	5	ug/L		< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.5 U
1,2,4-Trimethylbenzene	5	ug/L		< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	44	7.3	< 0.2 U	< 0.2 U	< 0.4 U
1,2-Dibromo-3-Chloropropane	0.04	ug/L		< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 1.6 U
1,2-Dibromoethane (Ethylene Dibromide)	NSL	ug/L		< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.34 U
1,2-Dichlorobenzene	3	ug/L		< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.24 U
1,2-Dichloroethane	0.6	ug/L		< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.62 U
1,2-Dichloropropane	1	ug/L		< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.36 U
1,3,5-Trichlorobenzene	NSL	ug/L		< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.42 U
1,3,5-Trimethylbenzene (Mesitylene)	5	ug/L		< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	3.2	1.3	< 0.11 U	< 0.11 U	< 0.23 U
1,3-Dichlorobenzene	3	ug/L		< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.24 U
1,3-Dichloropropane	5	ug/L		< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.26 U
1,4-Dichlorobenzene	3	ug/L		< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.26 U
1,4-Dioxane (P-Dioxane)	NSL	ug/L		< 21 U	< 21 U	< 21 U	< 21 U	< 21 U	< 21 U	< 21 U	< 21 U	< 21 U	< 21 U	< 41 U
2,2-Dichloropropane	5	ug/L		< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.65 U
2-Chlorotoluene	5	ug/L		< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.23 U
2-Hexanone	50	ug/L		< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 2.2 U
2-Methoxy-2-Methylbutane	NSL	ug/L		< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.29 U
4-Chlorotoluene	5	ug/L		< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.24 U
Acetone	50	ug/L		< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	6.1 J	< 2 U	< 2 U	< 2 U	< 4.1 U
Acrylonitrile	NSL	ug/L		< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 1.1 U
Benzene	1	ug/L		< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	0.68 J	< 0.2 U	< 0.2 U	< 0.2 U	< 0.4 U
Bromobenzene	NSL	ug/L		< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.3 U
Bromochloromethane	5	ug/L		< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.61 U
Bromodichloromethane	50	ug/L		< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.36 U
Bromoform	50	ug/L		< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.77 U
Bromomethane	5	ug/L		< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 3.1 U
Carbon Disulfide	60	ug/L		< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 2.9 U
Carbon Tetrachloride	5	ug/L		< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.33 U
Chlorobenzene	5	ug/L		< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.21 U
Chloroethane	5	ug/L		< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.64 U
Chloroform	7	ug/L		< 0.17 U	1.1 J	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	0.36 J	< 0.17 U	< 0.34 U
Chloromethane	NSL	ug/L		< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 0.52 U	< 1 U
Cis-1,2-Dichloroethylene	5	ug/L		< 0.15 U	< 0.15 U	< 0.15 U	0.37 J	< 0.15 U	6	8.8	< 0.15 U	13	2.2	< 0.29 U
Cis-1,3-Dichloropropene	0.4	ug/L		< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.32 U
Cymene	5	ug/L		< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U	4.4	0.61 J	< 0.097 U	< 0.097 U	< 0.19 U
Dibromochloromethane	50	ug/L		< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.44 U
Dibromomethane	NSL	ug/L		< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.71 U

Table C-1. Groundwater Analytical Results

			Location ID	MW-106A	MW-111	MW-113A	MW-113A	MW-114A	MW-115A	TW-06	TW-07	TW-08	TW-09	TW-10
			Sample Name	442024-MW-106A	442024-MW-111	442024-FD-06132022	442024-MW-113A	442024-MW-114A	442024-MW-115A	442024-TW-06	442024-TW-07	442024-TW-08	442024-TW-09	442024-TW-10
			Sample Date	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
			Parent Sample ID			442024-MW-113A								
Analyte	NYSDEC AWQS[1]	Unit		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dichlorodifluoromethane	5	ug/L		< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.38 U
Diethyl Ether (Ethyl Ether)	NSL	ug/L		< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.36 U
Ethyl Tert-Butyl Ether	NSL	ug/L		< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.3 U
Ethylbenzene	5	ug/L		< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	5.1	1.5	< 0.21 U	< 0.21 U	< 0.43 U
Hexachlorobutadiene	0.5	ug/L		< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.91 U
Isopropyl Ether	NSL	ug/L		< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.26 U
Isopropylbenzene (Cumene)	5	ug/L		< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	8.2	1.2	< 0.11 U	< 0.11 U	< 0.22 U
m,p-Xylene	NSL	ug/L		< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	2.6	0.74 J	< 0.46 U	< 0.46 U	< 0.92 U
Methyl Acetate	NSL	ug/L		< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.91 U
Methyl Ethyl Ketone (2-Butanone)	50	ug/L		< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 3.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	ug/L		< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 2.6 U
Methylcyclohexane	NSL	ug/L		< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	91	13	< 0.24 U	< 0.24 U	< 0.49 U
Methylene Chloride	5	ug/L		< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.47 U
Naphthalene	10	ug/L		< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	2.3	1.3 J	< 0.24 U	< 0.24 U	< 0.49 U
N-Butylbenzene	5	ug/L		< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	4.2	1.2	< 0.15 U	< 0.15 U	< 0.3 U
N-Propylbenzene	5	ug/L		< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U	13	1.4	< 0.086 U	< 0.086 U	< 0.17 U
O-Xylene (1,2-Dimethylbenzene)	5	ug/L		< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	2.7	< 0.23 U	< 0.23 U	< 0.23 U	< 0.46 U
Sec-Butylbenzene	5	ug/L		< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	2.8	0.53 J	< 0.11 U	< 0.11 U	< 0.22 U
Styrene	5	ug/L		< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.21 U
T-Butylbenzene	5	ug/L		< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.72 J	0.14 J	< 0.13 U	< 0.13 U	< 0.26 U
Tert-Butyl Alcohol	NSL	ug/L		< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 9.4 U
Tert-Butyl Methyl Ether	10	ug/L		< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	0.47 J	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.34 U
Tetrachloroethylene (PCE)	5	ug/L		< 0.19 U	1.6	< 0.19 U	< 0.19 U	< 0.19 U	35	12	< 0.19 U	8.1	85	210 D
Tetrahydrofuran	NSL	ug/L		< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.98 U
Toluene	5	ug/L		< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.45 U
Trans-1,2-Dichloroethene	5	ug/L		< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.34 U
Trans-1,3-Dichloropropene	0.4	ug/L		< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.34 U
Trans-1,4-Dichloro-2-Butene	NSL	ug/L		< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 3.2 U
Trichloroethylene (TCE)	5	ug/L		< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	1.1	6	< 0.19 U	0.80 J	4.4	1.4 JD
Trichlorofluoromethane	5	ug/L		< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.35 U
Vinyl Chloride	2	ug/L		< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	0.57 J	< 0.21 U	< 0.21 U	< 0.21 U	< 0.42 U

Notes:

[1] New York State Department of Environmental Conservation (NYSDEC) Class GA (groundwater for drinking water use) standards and guidance values, Technical and Operational Guidance Series (TOGS) 1.1.1.

B = Blank contamination

D = Diluted result

J = Estimated value

NSL = No screening level available.

U = Analyte not detected, reporting limit is presented

µg/L = Microgram per liter

Values exceeding the NYSDEC AWQS are shaded gray.

Appendix D

Laboratory Reports

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

June 20, 2022

Chris Sanson
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: North Greenbush, NY
Client Job Number:
Project Number: 442024
Laboratory Work Order Number: 22F0924

Enclosed are results of analyses for samples as received by the laboratory on June 15, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

Table of Contents

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

NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Chris Sanson

REPORT DATE: 6/20/2022

PURCHASE ORDER NUMBER: 142876

PROJECT NUMBER: 442024

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22F0924

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

PROJECT LOCATION: North Greenbush, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
442024-MW-113A	22F0924-01	Ground Water		SW-846 8260D	
442024-MW-115A	22F0924-02	Ground Water		SW-846 8260D	
442024-MW-106A	22F0924-03	Ground Water		SW-846 8260D	
442024-MW-111	22F0924-04	Ground Water		SW-846 8260D	
442024-TW-06	22F0924-05	Ground Water		SW-846 8260D	
442024-TW-07	22F0924-06	Ground Water		SW-846 8260D	
442024-TW-08	22F0924-07	Ground Water		SW-846 8260D	
442024-TW-09	22F0924-08	Ground Water		SW-846 8260D	
442024-TW-10	22F0924-09	Ground Water		SW-846 8260D	
442024-MW-114A	22F0924-10	Ground Water		SW-846 8260D	
442024-FD-06132022	22F0924-11	Ground Water		SW-846 8260D	
442024-TB-06132022	22F0924-12	Ground Water		SW-846 8260D	
442024-FB-06132022	22F0924-13	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:

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:

Bromomethane

B310878-BS1, B310878-BSD1, S072875-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:

1,2,3-Trichlorobenzene

22F0924-01[442024-MW-113A], 22F0924-02[442024-MW-115A], 22F0924-03[442024-MW-106A], 22F0924-04[442024-MW-111], 22F0924-05[442024-TW-06], 22F0924-06[442024-TW-07], 22F0924-07[442024-TW-08], 22F0924-08[442024-TW-09], 22F0924-09[442024-TW-10], 22F0924-10[442024-MW- 114A], 22F0924-11[442024-FD-06132022], 22F0924-12[442024-TB-06132022], 22F0924-13[442024-FB-06132022], B310878-BLK1, B310878-BS1, B310878-BSD1, S072875-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:

Chloromethane

B310878-BS1

MS-09

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

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene

B310878-MS1, B310878-MSD1

Chloromethane

B310878-MS1, B310878-MSD1

Methyl Acetate

B310878-MS1, B310878-MSD1

Naphthalene

B310878-MS1, B310878-MSD1

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:

Bromomethane

B310878-MS1, B310878-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:

Tetrachloroethylene

B310878-MSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

22F0924-09[442024-TW-10]

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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:

1,2,3-Trichlorobenzene

22F0924-01[442024-MW-113A], 22F0924-02[442024-MW-115A], 22F0924-03[442024-MW-106A], 22F0924-04[442024-MW-111], 22F0924-05[442024-TW-06], 22F0924-06[442024-TW-07], 22F0924-07[442024-TW-08], 22F0924-08[442024-TW-09], 22F0924-09[442024-TW-10], 22F0924-10[442024-MW- 114A], 22F0924-11[442024-FD-06132022], 22F0924-12[442024-TB-06132022], 22F0924-13[442024-FB-06132022], B310878-BLK1, B310878-BS1, B310878-BSD1, S072875-CCV1

Chloromethane

22F0924-01[442024-MW-113A], 22F0924-02[442024-MW-115A], 22F0924-03[442024-MW-106A], 22F0924-04[442024-MW-111], 22F0924-05[442024-TW-06], 22F0924-06[442024-TW-07], 22F0924-07[442024-TW-08], 22F0924-08[442024-TW-09], 22F0924-09[442024-TW-10], 22F0924-10[442024-MW- 114A], 22F0924-11[442024-FD-06132022], 22F0924-12[442024-TB-06132022], 22F0924-13[442024-FB-06132022], B310878-BLK1, B310878-BS1, B310878-BSD1, S072875-CCV1

Hexachlorobutadiene

22F0924-01[442024-MW-113A], 22F0924-02[442024-MW-115A], 22F0924-03[442024-MW-106A], 22F0924-04[442024-MW-111], 22F0924-05[442024-TW-06], 22F0924-06[442024-TW-07], 22F0924-07[442024-TW-08], 22F0924-08[442024-TW-09], 22F0924-09[442024-TW-10], 22F0924-10[442024-MW- 114A], 22F0924-11[442024-FD-06132022], 22F0924-12[442024-TB-06132022], 22F0924-13[442024-FB-06132022], B310878-BLK1, B310878-BS1, B310878-BSD1, S072875-CCV1

Naphthalene

22F0924-01[442024-MW-113A], 22F0924-02[442024-MW-115A], 22F0924-03[442024-MW-106A], 22F0924-04[442024-MW-111], 22F0924-05[442024-TW-06], 22F0924-06[442024-TW-07], 22F0924-07[442024-TW-08], 22F0924-08[442024-TW-09], 22F0924-09[442024-TW-10], 22F0924-10[442024-MW- 114A], 22F0924-11[442024-FD-06132022], 22F0924-12[442024-TB-06132022], 22F0924-13[442024-FB-06132022], B310878-BLK1, B310878-BS1, B310878-BSD1, S072875-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

B310878-BS1, B310878-BSD1, S072875-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

22F0924-01[442024-MW-113A], 22F0924-02[442024-MW-115A], 22F0924-03[442024-MW-106A], 22F0924-04[442024-MW-111], 22F0924-05[442024-TW-06], 22F0924-06[442024-TW-07], 22F0924-07[442024-TW-08], 22F0924-08[442024-TW-09], 22F0924-09[442024-TW-10], 22F0924-10[442024-MW- 114A], 22F0924-11[442024-FD-06132022], 22F0924-12[442024-TB-06132022], 22F0924-13[442024-FB-06132022], B310878-BLK1, B310878-BS1, B310878-BSD1, S072875-CCV1

Chloromethane

22F0924-01[442024-MW-113A], 22F0924-02[442024-MW-115A], 22F0924-03[442024-MW-106A], 22F0924-04[442024-MW-111], 22F0924-05[442024-TW-06], 22F0924-06[442024-TW-07], 22F0924-07[442024-TW-08], 22F0924-08[442024-TW-09], 22F0924-09[442024-TW-10], 22F0924-10[442024-MW- 114A], 22F0924-11[442024-FD-06132022], 22F0924-12[442024-TB-06132022], 22F0924-13[442024-FB-06132022], B310878-BLK1, B310878-BS1, B310878-BSD1, S072875-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. Kopyscinski
Laboratory Director

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-MW-113A | Sampled: 6/13/2022 11:46

Sample ID: 22F0924-01

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	ND	50	2.0	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 13:15	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 13:15	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
cis-1,2-Dichloroethylene	0.37	1.0	0.15	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 13:15	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-MW-113A | Sampled: 6/13/2022 11:46

Sample ID: 22F0924-01

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 13:15	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Naphthalene	ND	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 13:15	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,1,1-Trichloroethane	1.5	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:15	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		6/16/22 13:15
Toluene-d8	98.5	70-130		6/16/22 13:15
4-Bromofluorobenzene	102	70-130		6/16/22 13:15

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-MW-115A | Sampled: 6/13/2022 11:21

Sample ID: 22F0924-02

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	6/16/22	6/16/22 13:42	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 13:42	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 13:42	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
cis-1,2-Dichloroethylene	6.0	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-MW-115A | Sampled: 6/13/2022 11:21

Sample ID: 22F0924-02

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 13:42	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Naphthalene	ND	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 13:42	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Tetrachloroethylene	35	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Trichloroethylene	1.1	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 13:42	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.9	70-130		6/16/22 13:42
Toluene-d8	96.0	70-130		6/16/22 13:42
4-Bromofluorobenzene	95.8	70-130		6/16/22 13:42

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-MW-106A | Sampled: 6/13/2022 12:52

Sample ID: 22F0924-03

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	6/16/22	6/16/22 14:08	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 14:08	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 14:08	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-MW-106A | Sampled: 6/13/2022 12:52

Sample ID: 22F0924-03

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 14:08	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Naphthalene	ND	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 14:08	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.6	70-130		6/16/22 14:08
Toluene-d8	101	70-130		6/16/22 14:08
4-Bromofluorobenzene	101	70-130		6/16/22 14:08

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-MW-111 | Sampled: 6/13/2022 16:00

Sample ID: 22F0924-04

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	6/16/22	6/16/22 14:34	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 14:34	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Chloroform	1.1	2.0	0.17	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 14:34	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-MW-111 | Sampled: 6/13/2022 16:00

Sample ID: 22F0924-04

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 14:34	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Naphthalene	ND	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 14:34	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Tetrachloroethylene	1.6	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 14:34	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.4	70-130		6/16/22 14:34
Toluene-d8	98.0	70-130		6/16/22 14:34
4-Bromofluorobenzene	98.8	70-130		6/16/22 14:34

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TW-06 | Sampled: 6/13/2022 14:49

Sample ID: 22F0924-05

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	6.1	50	2.0	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Benzene	0.68	1.0	0.20	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 15:00	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
n-Butylbenzene	4.2	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
sec-Butylbenzene	2.8	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
tert-Butylbenzene	0.72	1.0	0.13	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 15:00	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 15:00	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
cis-1,2-Dichloroethylene	8.8	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TW-06 | Sampled: 6/13/2022 14:49

Sample ID: 22F0924-05

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Ethylbenzene	5.1	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 15:00	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Isopropylbenzene (Cumene)	8.2	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
p-Isopropyltoluene (p-Cymene)	4.4	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Methyl Cyclohexane	91	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Naphthalene	2.3	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 15:00	MFF
n-Propylbenzene	13	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Tetrachloroethylene	12	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Trichloroethylene	6.0	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,2,4-Trimethylbenzene	44	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
1,3,5-Trimethylbenzene	3.2	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
Vinyl Chloride	0.57	2.0	0.21	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 15:00	MFF
m+p Xylene	2.6	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF
o-Xylene	2.7	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:00	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.7	70-130		6/16/22 15:00
Toluene-d8	101	70-130		6/16/22 15:00
4-Bromofluorobenzene	111	70-130		6/16/22 15:00

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TW-07 | Sampled: 6/13/2022 15:02

Sample ID: 22F0924-06

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	6/16/22	6/16/22 15:27	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 15:27	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
n-Butylbenzene	1.2	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
sec-Butylbenzene	0.53	1.0	0.11	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 15:27	MFF
tert-Butylbenzene	0.14	1.0	0.13	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 15:27	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 15:27	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TW-07 | Sampled: 6/13/2022 15:02

Sample ID: 22F0924-06

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Ethylbenzene	1.5	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 15:27	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Isopropylbenzene (Cumene)	1.2	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
p-Isopropyltoluene (p-Cymene)	0.61	1.0	0.097	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Methyl Cyclohexane	13	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Naphthalene	1.3	2.0	0.24	µg/L	1	V-05, J	SW-846 8260D	6/16/22	6/16/22 15:27	MFF
n-Propylbenzene	1.4	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,2,4-Trimethylbenzene	7.3	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
1,3,5-Trimethylbenzene	1.3	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF
m+p Xylene	0.74	2.0	0.46	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 15:27	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.6	70-130		6/16/22 15:27
Toluene-d8	98.1	70-130		6/16/22 15:27
4-Bromofluorobenzene	95.1	70-130		6/16/22 15:27

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TW-08 | Sampled: 6/13/2022 14:06

Sample ID: 22F0924-07

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	6/16/22	6/16/22 15:53	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 15:53	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Chloroform	0.36	2.0	0.17	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 15:53	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
cis-1,2-Dichloroethylene	13	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TW-08 | Sampled: 6/13/2022 14:06

Sample ID: 22F0924-07

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 15:53	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Naphthalene	ND	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 15:53	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Tetrachloroethylene	8.1	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Trichloroethylene	0.80	1.0	0.19	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 15:53	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.3	70-130		6/16/22 15:53
Toluene-d8	99.1	70-130		6/16/22 15:53
4-Bromofluorobenzene	99.8	70-130		6/16/22 15:53

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TW-09 | Sampled: 6/13/2022 13:47

Sample ID: 22F0924-08

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	6/16/22	6/16/22 16:19	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 16:19	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 16:19	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
cis-1,2-Dichloroethylene	2.2	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TW-09 | Sampled: 6/13/2022 13:47

Sample ID: 22F0924-08

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 16:19	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Naphthalene	ND	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 16:19	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Tetrachloroethylene	85	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Trichloroethylene	4.4	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 16:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.8	70-130		6/16/22 16:19
Toluene-d8	100	70-130		6/16/22 16:19
4-Bromofluorobenzene	99.8	70-130		6/16/22 16:19

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TW-10 | Sampled: 6/13/2022 13:03

Sample ID: 22F0924-09

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	100	4.1	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Acrylonitrile	ND	10	1.1	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
tert-Amyl Methyl Ether (TAME)	ND	1.0	0.29	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Benzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Bromobenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Bromochloromethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Bromodichloromethane	ND	1.0	0.36	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Bromoform	ND	2.0	0.77	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Bromomethane	ND	10	3.1	µg/L	2	V-34	SW-846 8260D	6/16/22	6/16/22 16:45	MFF
2-Butanone (MEK)	ND	40	3.2	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
tert-Butyl Alcohol (TBA)	ND	40	9.4	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
n-Butylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
sec-Butylbenzene	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
tert-Butylbenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	0.30	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Carbon Disulfide	ND	10	2.9	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Chlorobenzene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Chlorodibromomethane	ND	1.0	0.44	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Chloroethane	ND	4.0	0.64	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Chloroform	ND	4.0	0.34	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Chloromethane	ND	4.0	1.0	µg/L	2	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 16:45	MFF
2-Chlorotoluene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
4-Chlorotoluene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.6	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,2-Dibromoethane (EDB)	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Dibromomethane	ND	2.0	0.71	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,2-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,3-Dichlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
trans-1,4-Dichloro-2-butene	ND	4.0	3.2	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.38	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,1-Dichloroethane	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,2-Dichloroethane	ND	2.0	0.62	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
cis-1,2-Dichloroethylene	ND	2.0	0.29	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,2-Dichloropropane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,3-Dichloropropane	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
2,2-Dichloropropane	ND	2.0	0.65	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,1-Dichloropropene	ND	4.0	0.30	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
cis-1,3-Dichloropropene	ND	1.0	0.32	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
trans-1,3-Dichloropropene	ND	1.0	0.34	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Diethyl Ether	ND	4.0	0.36	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TW-10 | Sampled: 6/13/2022 13:03

Sample ID: 22F0924-09

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
Diisopropyl Ether (DIPE)	ND	1.0	0.26	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,4-Dioxane	ND	100	41	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Ethylbenzene	ND	2.0	0.43	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Hexachlorobutadiene	ND	1.2	0.91	µg/L	2	V-05	SW-846 8260D	6/16/22	6/16/22 16:45	MFF
2-Hexanone (MBK)	ND	20	2.2	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Isopropylbenzene (Cumene)	ND	2.0	0.22	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.19	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Methyl Acetate	ND	2.0	0.91	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Methyl Cyclohexane	ND	2.0	0.49	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Methylene Chloride	ND	10	0.47	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Naphthalene	ND	4.0	0.49	µg/L	2	V-05	SW-846 8260D	6/16/22	6/16/22 16:45	MFF
n-Propylbenzene	ND	2.0	0.17	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Styrene	ND	2.0	0.21	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	0.36	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Tetrachloroethylene	210	2.0	0.37	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Tetrahydrofuran	ND	20	0.98	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,2,3-Trichlorobenzene	ND	10	0.61	µg/L	2	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,2,4-Trichlorobenzene	ND	2.0	0.50	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,3,5-Trichlorobenzene	ND	2.0	0.42	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,1,1-Trichloroethane	ND	2.0	0.34	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,1,2-Trichloroethane	ND	2.0	0.37	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Trichloroethylene	1.4	2.0	0.38	µg/L	2	J	SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	0.35	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,2,3-Trichloropropane	ND	4.0	0.56	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.45	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,2,4-Trimethylbenzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
1,3,5-Trimethylbenzene	ND	2.0	0.23	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
Vinyl Chloride	ND	4.0	0.42	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
m+p Xylene	ND	4.0	0.92	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF
o-Xylene	ND	2.0	0.46	µg/L	2		SW-846 8260D	6/16/22	6/16/22 16:45	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.7	70-130		6/16/22 16:45
Toluene-d8	99.5	70-130		6/16/22 16:45
4-Bromofluorobenzene	98.8	70-130		6/16/22 16:45

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-MW-114A | Sampled: 6/13/2022 12:15

Sample ID: 22F0924-10

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	6/16/22	6/16/22 17:11	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 17:11	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 17:11	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-MW-114A | Sampled: 6/13/2022 12:15

Sample ID: 22F0924-10

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 17:11	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Methyl tert-Butyl Ether (MTBE)	0.47	1.0	0.17	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Naphthalene	ND	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 17:11	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:11	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.4	70-130		6/16/22 17:11
Toluene-d8	103	70-130		6/16/22 17:11
4-Bromofluorobenzene	96.8	70-130		6/16/22 17:11

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-FD-06132022 | Sampled: 6/13/2022 00:00

Sample ID: 22F0924-11

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	6/16/22	6/16/22 17:37	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 17:37	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 17:37	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-FD-06132022 | Sampled: 6/13/2022 00:00

Sample ID: 22F0924-11

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 17:37	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Naphthalene	ND	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 17:37	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 17:37	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.5	70-130		6/16/22 17:37
Toluene-d8	103	70-130		6/16/22 17:37
4-Bromofluorobenzene	97.4	70-130		6/16/22 17:37

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Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TB-06132022 | Sampled: 6/13/2022 00:00

Sample ID: 22F0924-12

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	6/16/22	6/16/22 11:49	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 11:49	MFF
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 11:49	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-TB-06132022 | Sampled: 6/13/2022 00:00

Sample ID: 22F0924-12

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 11:49	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Naphthalene	ND	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 11:49	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 11:49	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.3	70-130		6/16/22 11:49
Toluene-d8	95.6	70-130		6/16/22 11:49
4-Bromofluorobenzene	96.8	70-130		6/16/22 11:49

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-FB-06132022 | Sampled: 6/13/2022 15:39

Sample ID: 22F0924-13

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	30	50	2.0	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	6/16/22	6/16/22 12:16	MFF
2-Butanone (MEK)	3.8	20	1.6	µg/L	1	J	SW-846 8260D	6/16/22	6/16/22 12:16	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	6/16/22	6/16/22 12:16	MFF
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF

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

Project Location: North Greenbush, NY | Sample Description: | Work Order: 22F0924

Date Received: 6/15/2022

Field Sample #: 442024-FB-06132022 | Sampled: 6/13/2022 15:39

Sample ID: 22F0924-13

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
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 12:16	MFF
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Naphthalene	ND	2.0	0.24	µg/L	1	V-05	SW-846 8260D	6/16/22	6/16/22 12:16	MFF
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1	L-04, V-05	SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	6/16/22	6/16/22 12:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.6	70-130		6/16/22 12:16
Toluene-d8	100	70-130		6/16/22 12:16
4-Bromofluorobenzene	93.6	70-130		6/16/22 12:16

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22F0924-01 [442024-MW-113A]	B310878	5	5.00	06/16/22
22F0924-02 [442024-MW-115A]	B310878	5	5.00	06/16/22
22F0924-03 [442024-MW-106A]	B310878	5	5.00	06/16/22
22F0924-04 [442024-MW-111]	B310878	5	5.00	06/16/22
22F0924-05 [442024-TW-06]	B310878	5	5.00	06/16/22
22F0924-06 [442024-TW-07]	B310878	5	5.00	06/16/22
22F0924-07 [442024-TW-08]	B310878	5	5.00	06/16/22
22F0924-08 [442024-TW-09]	B310878	5	5.00	06/16/22
22F0924-09 [442024-TW-10]	B310878	2.5	5.00	06/16/22
22F0924-10 [442024-MW-114A]	B310878	5	5.00	06/16/22
22F0924-11 [442024-FD-06132022]	B310878	5	5.00	06/16/22
22F0924-12 [442024-TB-06132022]	B310878	5	5.00	06/16/22
22F0924-13 [442024-FB-06132022]	B310878	5	5.00	06/16/22

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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 B310878 - SW-846 5030B										
Blank (B310878-BLK1)				Prepared & Analyzed: 06/16/22						
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							
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							V-05
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	
Batch B310878 - SW-846 5030B											
Blank (B310878-BLK1)				Prepared & Analyzed: 06/16/22							
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							V-05	
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							L-04, V-05	
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	*24.2*		µg/L	25.0		96.6	70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.5	70-130				
Surrogate: 4-Bromofluorobenzene	*23.1*		µg/L	25.0		92.2	70-130				
LCS (B310878-BS1)				Prepared & Analyzed: 06/16/22							
Acetone	83.6	50	µg/L	100		83.6	70-160				†
Acrylonitrile	10.0	5.0	µg/L	10.0		100	70-130				
tert-Amyl Methyl Ether (TAME)	10.6	0.50	µg/L	10.0		106	70-130				
Benzene	9.83	1.0	µg/L	10.0		98.3	70-130				
Bromobenzene	10.6	1.0	µg/L	10.0		106	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	9.70	1.0	µg/L	10.0		97.0	70-130				
Bromomethane	14.2	2.0	µg/L	10.0		142	40-160			L-02, V-20, V-34	†
2-Butanone (MEK)	82.6	20	µg/L	100		82.6	40-160				†
tert-Butyl Alcohol (TBA)	89.3	20	µg/L	100		89.3	40-160				†
n-Butylbenzene	9.66	1.0	µg/L	10.0		96.6	70-130				
sec-Butylbenzene	9.70	1.0	µg/L	10.0		97.0	70-130				
tert-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.80	0.50	µg/L	10.0		98.0	70-130				
Carbon Disulfide	96.9	5.0	µg/L	100		96.9	70-130				
Carbon Tetrachloride	10.5	5.0	µg/L	10.0		105	70-130				
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130				
Chloroethane	10.2	2.0	µg/L	10.0		102	70-130				
Chloroform	10.8	2.0	µg/L	10.0		108	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 B310878 - SW-846 5030B												
LCS (B310878-BS1)				Prepared & Analyzed: 06/16/22								
Chloromethane	3.83	2.0	µg/L	10.0		**38.3**	*	40-160			L-07, V-05, V-34	†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103		70-130				
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.53	5.0	µg/L	10.0		85.3		70-130				
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102		70-130				
Dibromomethane	10.8	1.0	µg/L	10.0		108		70-130				
1,2-Dichlorobenzene	9.44	1.0	µg/L	10.0		94.4		70-130				
1,3-Dichlorobenzene	9.81	1.0	µg/L	10.0		98.1		70-130				
1,4-Dichlorobenzene	9.71	1.0	µg/L	10.0		97.1		70-130				
trans-1,4-Dichloro-2-butene	9.00	2.0	µg/L	10.0		90.0		70-130				
Dichlorodifluoromethane (Freon 12)	9.05	2.0	µg/L	10.0		90.5		40-160				†
1,1-Dichloroethane	10.3	1.0	µg/L	10.0		103		70-130				
1,2-Dichloroethane	11.6	1.0	µg/L	10.0		116		70-130				
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102		70-130				
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100		70-130				
trans-1,2-Dichloroethylene	9.98	1.0	µg/L	10.0		99.8		70-130				
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109		70-130				
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106		70-130				
2,2-Dichloropropane	10.1	1.0	µg/L	10.0		101		40-130				†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106		70-130				
cis-1,3-Dichloropropene	9.66	0.50	µg/L	10.0		96.6		70-130				
trans-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6		70-130				
Diethyl Ether	9.26	2.0	µg/L	10.0		92.6		70-130				
Diisopropyl Ether (DIPE)	9.77	0.50	µg/L	10.0		97.7		70-130				
1,4-Dioxane	98.9	50	µg/L	100		98.9		40-130				†
Ethylbenzene	10.4	1.0	µg/L	10.0		104		70-130				
Hexachlorobutadiene	8.10	0.60	µg/L	10.0		81.0		70-130			V-05	
2-Hexanone (MBK)	92.1	10	µg/L	100		92.1		70-160				†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104		70-130				
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104		70-130				
Methyl Acetate	8.07	1.0	µg/L	10.0		80.7		70-130				
Methyl tert-Butyl Ether (MTBE)	9.95	1.0	µg/L	10.0		99.5		70-130				
Methyl Cyclohexane	10.7	1.0	µg/L	10.0		107		70-130				
Methylene Chloride	9.92	5.0	µg/L	10.0		99.2		70-130				
4-Methyl-2-pentanone (MIBK)	95.6	10	µg/L	100		95.6		70-160				†
Naphthalene	6.81	2.0	µg/L	10.0		68.1		40-130			V-05	†
n-Propylbenzene	10.3	1.0	µg/L	10.0		103		70-130				
Styrene	10.3	1.0	µg/L	10.0		103		70-130				
1,1,1,2-Tetrachloroethane	11.0	1.0	µg/L	10.0		110		70-130				
1,1,2,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108		70-130				
Tetrachloroethylene	10.3	1.0	µg/L	10.0		103		70-130				
Tetrahydrofuran	9.98	10	µg/L	10.0		99.8		70-130			J	
Toluene	10.2	1.0	µg/L	10.0		102		70-130				
1,2,3-Trichlorobenzene	6.58	5.0	µg/L	10.0		**65.8**	*	70-130			L-04, V-05	
1,2,4-Trichlorobenzene	8.09	1.0	µg/L	10.0		80.9		70-130				
1,3,5-Trichlorobenzene	8.81	1.0	µg/L	10.0		88.1		70-130				
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0		108		70-130				
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106		70-130				
Trichloroethylene	11.4	1.0	µg/L	10.0		114		70-130				
Trichlorofluoromethane (Freon 11)	8.86	2.0	µg/L	10.0		88.6		70-130				
1,2,3-Trichloropropane	10.9	2.0	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 B310878 - SW-846 5030B												
LCS (B310878-BS1)				Prepared & Analyzed: 06/16/22								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110		70-130				
1,2,4-Trimethylbenzene	9.97	1.0	µg/L	10.0		99.7		70-130				
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102		70-130				
Vinyl Chloride	9.47	2.0	µg/L	10.0		94.7		40-160				†
m+p Xylene	21.1	2.0	µg/L	20.0		105		70-130				
o-Xylene	10.3	1.0	µg/L	10.0		103		70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.9*		µg/L	25.0		95.6		70-130				
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.3		70-130				
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.9		70-130				
LCS Dup (B310878-BSD1)				Prepared & Analyzed: 06/16/22								
Acetone	95.2	50	µg/L	100		95.2		70-160	13.0	25		†
Acrylonitrile	11.5	5.0	µg/L	10.0		115		70-130	14.1	25		
tert-Amyl Methyl Ether (TAME)	12.0	0.50	µg/L	10.0		120		70-130	12.4	25		
Benzene	11.4	1.0	µg/L	10.0		114		70-130	14.4	25		
Bromobenzene	10.8	1.0	µg/L	10.0		108		70-130	2.16	25		
Bromochloromethane	12.4	1.0	µg/L	10.0		124		70-130	9.65	25		
Bromodichloromethane	11.5	0.50	µg/L	10.0		115		70-130	5.37	25		
Bromoform	9.96	1.0	µg/L	10.0		99.6		70-130	2.64	25		
Bromomethane	16.6	2.0	µg/L	10.0		**166**	*	40-160	15.9	25	L-02, V-20, V-34	†
2-Butanone (MEK)	95.3	20	µg/L	100		95.3		40-160	14.2	25		†
tert-Butyl Alcohol (TBA)	102	20	µg/L	100		102		40-160	13.2	25		†
n-Butylbenzene	10.4	1.0	µg/L	10.0		104		70-130	7.38	25		
sec-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130	6.19	25		
tert-Butylbenzene	11.3	1.0	µg/L	10.0		113		70-130	5.26	25		
tert-Butyl Ethyl Ether (TBEE)	11.0	0.50	µg/L	10.0		110		70-130	12.0	25		
Carbon Disulfide	114	5.0	µg/L	100		114		70-130	16.0	25		
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108		70-130	3.37	25		
Chlorobenzene	10.9	1.0	µg/L	10.0		109		70-130	6.15	25		
Chlorodibromomethane	11.6	0.50	µg/L	10.0		116		70-130	14.8	25		
Chloroethane	11.2	2.0	µg/L	10.0		112		70-130	8.97	25		
Chloroform	11.7	2.0	µg/L	10.0		117		70-130	8.71	25		
Chloromethane	4.52	2.0	µg/L	10.0		45.2		40-160	16.5	25	V-05, V-34	†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104		70-130	0.677	25		
4-Chlorotoluene	10.6	1.0	µg/L	10.0		106		70-130	3.15	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.91	5.0	µg/L	10.0		89.1		70-130	4.36	25		
1,2-Dibromoethane (EDB)	12.0	0.50	µg/L	10.0		120		70-130	15.6	25		
Dibromomethane	11.4	1.0	µg/L	10.0		114		70-130	4.78	25		
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102		70-130	7.93	25		
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	6.70	25		
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104		70-130	6.48	25		
trans-1,4-Dichloro-2-butene	8.94	2.0	µg/L	10.0		89.4		70-130	0.669	25		
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102		40-160	11.9	25		†
1,1-Dichloroethane	11.8	1.0	µg/L	10.0		118		70-130	12.9	25		
1,2-Dichloroethane	11.4	1.0	µg/L	10.0		114		70-130	1.13	25		
1,1-Dichloroethylene	11.6	1.0	µg/L	10.0		116		70-130	13.1	25		
cis-1,2-Dichloroethylene	11.5	1.0	µg/L	10.0		115		70-130	13.6	25		
trans-1,2-Dichloroethylene	11.9	1.0	µg/L	10.0		119		70-130	17.6	25		
1,2-Dichloropropane	11.7	1.0	µg/L	10.0		117		70-130	7.01	25		
1,3-Dichloropropane	11.8	0.50	µg/L	10.0		118		70-130	11.2	25		
2,2-Dichloropropane	11.3	1.0	µg/L	10.0		113		40-130	11.0	25		†
1,1-Dichloropropene	11.4	2.0	µg/L	10.0		114		70-130	6.81	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 B310878 - SW-846 5030B												
LCS Dup (B310878-BSD1)				Prepared & Analyzed: 06/16/22								
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130	9.66	25		
trans-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130	10.2	25		
Diethyl Ether	10.7	2.0	µg/L	10.0		107		70-130	14.7	25		
Diisopropyl Ether (DIPE)	10.9	0.50	µg/L	10.0		109		70-130	10.9	25		
1,4-Dioxane	109	50	µg/L	100		109		40-130	9.52	50		† ‡
Ethylbenzene	10.5	1.0	µg/L	10.0		105		70-130	1.24	25		
Hexachlorobutadiene	8.90	0.60	µg/L	10.0		89.0		70-130	9.41	25	V-05	
2-Hexanone (MBK)	108	10	µg/L	100		108		70-160	16.2	25		†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104		70-130	0.384	25		
p-Isopropyltoluene (p-Cymene)	11.1	1.0	µg/L	10.0		111		70-130	6.98	25		
Methyl Acetate	9.14	1.0	µg/L	10.0		91.4		70-130	12.4	25		
Methyl tert-Butyl Ether (MTBE)	11.7	1.0	µg/L	10.0		117		70-130	16.5	25		
Methyl Cyclohexane	11.4	1.0	µg/L	10.0		114		70-130	5.98	25		
Methylene Chloride	11.2	5.0	µg/L	10.0		112		70-130	12.3	25		
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105		70-160	9.71	25		†
Naphthalene	7.18	2.0	µg/L	10.0		71.8		40-130	5.29	25	V-05	†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105		70-130	1.73	25		
Styrene	10.6	1.0	µg/L	10.0		106		70-130	2.49	25		
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111		70-130	1.09	25		
1,1,2,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111		70-130	2.84	25		
Tetrachloroethylene	11.5	1.0	µg/L	10.0		115		70-130	11.0	25		
Tetrahydrofuran	10.8	10	µg/L	10.0		108		70-130	7.61	25		
Toluene	11.2	1.0	µg/L	10.0		112		70-130	9.56	25		
1,2,3-Trichlorobenzene	6.97	5.0	µg/L	10.0		**69.7**	*	70-130	5.76	25	L-04, V-05	
1,2,4-Trichlorobenzene	8.64	1.0	µg/L	10.0		86.4		70-130	6.58	25		
1,3,5-Trichlorobenzene	9.38	1.0	µg/L	10.0		93.8		70-130	6.27	25		
1,1,1-Trichloroethane	11.6	1.0	µg/L	10.0		116		70-130	6.80	25		
1,1,2-Trichloroethane	12.1	1.0	µg/L	10.0		121		70-130	13.2	25		
Trichloroethylene	12.2	1.0	µg/L	10.0		122		70-130	6.71	25		
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106		70-130	18.1	25		
1,2,3-Trichloropropane	11.6	2.0	µg/L	10.0		116		70-130	6.58	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.4	1.0	µg/L	10.0		124		70-130	11.9	25		
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105		70-130	5.37	25		
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.0		103		70-130	1.36	25		
Vinyl Chloride	10.9	2.0	µg/L	10.0		109		40-160	14.1	25		†
m+p Xylene	20.8	2.0	µg/L	20.0		104		70-130	1.34	25		
o-Xylene	10.4	1.0	µg/L	10.0		104		70-130	1.16	25		
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		93.0		70-130				
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103		70-130				
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.8		70-130				
Matrix Spike (B310878-MS1)	**Source: 22F0924-02**			Prepared & Analyzed: 06/16/22								
Acetone	80.4	50	µg/L	100	ND	80.4		70-130				
Acrylonitrile	9.46	5.0	µg/L	10.0	ND	94.6		70-130				
tert-Amyl Methyl Ether (TAME)	9.47	0.50	µg/L	10.0	ND	94.7		70-130				
Benzene	9.52	1.0	µg/L	10.0	ND	95.2		70-130				
Bromobenzene	10.0	1.0	µg/L	10.0	ND	100		70-130				
Bromochloromethane	11.2	1.0	µg/L	10.0	ND	112		70-130				
Bromodichloromethane	10.3	0.50	µg/L	10.0	ND	103		70-130				
Bromoform	9.10	1.0	µg/L	10.0	ND	91.0		70-130				
Bromomethane	13.9	2.0	µg/L	10.0	ND	**139**	*	70-130			MS-12	
2-Butanone (MEK)	79.3	20	µg/L	100	ND	79.3		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 B310878 - SW-846 5030B											
Matrix Spike (B310878-MS1)	**Source: 22F0924-02**			Prepared & Analyzed: 06/16/22							
tert-Butyl Alcohol (TBA)	83.0	20	µg/L	100	ND	83.0		70-130			
n-Butylbenzene	8.85	1.0	µg/L	10.0	ND	88.5		70-130			
sec-Butylbenzene	9.09	1.0	µg/L	10.0	ND	90.9		70-130			
tert-Butylbenzene	10.2	1.0	µg/L	10.0	ND	102		70-130			
tert-Butyl Ethyl Ether (TBEE)	9.45	0.50	µg/L	10.0	ND	94.5		70-130			
Carbon Disulfide	93.8	5.0	µg/L	100	ND	93.8		70-130			
Carbon Tetrachloride	10.5	5.0	µg/L	10.0	ND	105		70-130			
Chlorobenzene	9.91	1.0	µg/L	10.0	ND	99.1		70-130			
Chlorodibromomethane	9.93	0.50	µg/L	10.0	ND	99.3		70-130			
Chloroethane	9.97	2.0	µg/L	10.0	ND	99.7		70-130			
Chloroform	10.1	2.0	µg/L	10.0	ND	101		70-130			
Chloromethane	3.75	2.0	µg/L	10.0	ND	**37.5**	*	70-130			MS-09
2-Chlorotoluene	9.73	1.0	µg/L	10.0	ND	97.3		70-130			
4-Chlorotoluene	9.93	1.0	µg/L	10.0	ND	99.3		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.92	5.0	µg/L	10.0	ND	79.2		70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0	ND	104		70-130			
Dibromomethane	10.4	1.0	µg/L	10.0	ND	104		70-130			
1,2-Dichlorobenzene	8.83	1.0	µg/L	10.0	ND	88.3		70-130			
1,3-Dichlorobenzene	9.05	1.0	µg/L	10.0	ND	90.5		70-130			
1,4-Dichlorobenzene	8.92	1.0	µg/L	10.0	ND	89.2		70-130			
trans-1,4-Dichloro-2-butene	8.84	2.0	µg/L	10.0	ND	88.4		70-130			
Dichlorodifluoromethane (Freon 12)	9.23	2.0	µg/L	10.0	ND	92.3		70-130			
1,1-Dichloroethane	10.4	1.0	µg/L	10.0	ND	104		70-130			
1,2-Dichloroethane	10.2	1.0	µg/L	10.0	ND	102		70-130			
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0	ND	104		70-130			
cis-1,2-Dichloroethylene	16.2	1.0	µg/L	10.0	6.05	102		70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,2-Dichloropropane	10.3	1.0	µg/L	10.0	ND	103		70-130			
1,3-Dichloropropane	10.0	0.50	µg/L	10.0	ND	100		70-130			
2,2-Dichloropropane	8.61	1.0	µg/L	10.0	ND	86.1		70-130			
1,1-Dichloropropene	10.3	2.0	µg/L	10.0	ND	103		70-130			
cis-1,3-Dichloropropene	9.15	0.50	µg/L	10.0	ND	91.5		70-130			
trans-1,3-Dichloropropene	8.79	0.50	µg/L	10.0	ND	87.9		70-130			
Diethyl Ether	8.79	2.0	µg/L	10.0	ND	87.9		70-130			
Diisopropyl Ether (DIPE)	9.63	0.50	µg/L	10.0	ND	96.3		70-130			
1,4-Dioxane	93.1	50	µg/L	100	ND	93.1		70-130			
Ethylbenzene	9.85	1.0	µg/L	10.0	ND	98.5		70-130			
Hexachlorobutadiene	7.91	0.60	µg/L	10.0	ND	79.1		70-130			
2-Hexanone (MBK)	89.7	10	µg/L	100	ND	89.7		70-130			
Isopropylbenzene (Cumene)	9.94	1.0	µg/L	10.0	ND	99.4		70-130			
p-Isopropyltoluene (p-Cymene)	9.90	1.0	µg/L	10.0	ND	99.0		70-130			
Methyl Acetate	6.89	1.0	µg/L	10.0	ND	**68.9**	*	70-130			MS-09
Methyl tert-Butyl Ether (MTBE)	9.96	1.0	µg/L	10.0	ND	99.6		70-130			
Methyl Cyclohexane	10.7	1.0	µg/L	10.0	ND	107		70-130			
Methylene Chloride	10.2	5.0	µg/L	10.0	ND	102		70-130			
4-Methyl-2-pentanone (MIBK)	93.4	10	µg/L	100	ND	93.4		70-130			
Naphthalene	6.07	2.0	µg/L	10.0	ND	**60.7**	*	70-130			MS-09
n-Propylbenzene	9.71	1.0	µg/L	10.0	ND	97.1		70-130			
Styrene	9.53	1.0	µg/L	10.0	ND	95.3		70-130			
1,1,1,2-Tetrachloroethane	10.5	1.0	µg/L	10.0	ND	105		70-130			
1,1,2,2-Tetrachloroethane	9.72	0.50	µg/L	10.0	ND	97.2		70-130			
Tetrachloroethylene	47.8	1.0	µg/L	10.0	35.1	126		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 B310878 - SW-846 5030B											
Matrix Spike (B310878-MS1)		**Source: 22F0924-02**		Prepared & Analyzed: 06/16/22							
Tetrahydrofuran	9.00	10	µg/L	10.0	ND	90.0		70-130			J
Toluene	9.87	1.0	µg/L	10.0	ND	98.7		70-130			
1,2,3-Trichlorobenzene	6.23	5.0	µg/L	10.0	ND	**62.3**	*	70-130			MS-09
1,2,4-Trichlorobenzene	7.47	1.0	µg/L	10.0	ND	74.7		70-130			
1,3,5-Trichlorobenzene	8.05	1.0	µg/L	10.0	ND	80.5		70-130			
1,1,1-Trichloroethane	10.8	1.0	µg/L	10.0	ND	108		70-130			
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0	ND	101		70-130			
Trichloroethylene	12.3	1.0	µg/L	10.0	1.10	112		70-130			
Trichlorofluoromethane (Freon 11)	9.64	2.0	µg/L	10.0	ND	96.4		70-130			
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0	ND	102		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0	ND	107		70-130			
1,2,4-Trimethylbenzene	9.31	1.0	µg/L	10.0	ND	93.1		70-130			
1,3,5-Trimethylbenzene	9.73	1.0	µg/L	10.0	ND	97.3		70-130			
Vinyl Chloride	9.55	2.0	µg/L	10.0	ND	95.5		70-130			
m+p Xylene	20.2	2.0	µg/L	20.0	ND	101		70-130			
o-Xylene	9.92	1.0	µg/L	10.0	ND	99.2		70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.7		70-130			
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.6		70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100		70-130			
Matrix Spike Dup (B310878-MSD1)		**Source: 22F0924-02**		Prepared & Analyzed: 06/16/22							
Acetone	81.8	50	µg/L	100	ND	81.8		70-130	1.74	30	
Acrylonitrile	9.98	5.0	µg/L	10.0	ND	99.8		70-130	5.35	30	
tert-Amyl Methyl Ether (TAME)	9.49	0.50	µg/L	10.0	ND	94.9		70-130	0.211	30	
Benzene	10.0	1.0	µg/L	10.0	ND	100		70-130	5.12	30	
Bromobenzene	10.2	1.0	µg/L	10.0	ND	102		70-130	1.97	30	
Bromochloromethane	11.0	1.0	µg/L	10.0	ND	110		70-130	2.07	30	
Bromodichloromethane	10.6	0.50	µg/L	10.0	ND	106		70-130	3.26	30	
Bromoform	9.13	1.0	µg/L	10.0	ND	91.3		70-130	0.329	30	
Bromomethane	13.8	2.0	µg/L	10.0	ND	**138**	*	70-130	0.505	30	MS-12
2-Butanone (MEK)	80.2	20	µg/L	100	ND	80.2		70-130	1.07	30	
tert-Butyl Alcohol (TBA)	86.3	20	µg/L	100	ND	86.3		70-130	3.83	30	
n-Butylbenzene	8.93	1.0	µg/L	10.0	ND	89.3		70-130	0.900	30	
sec-Butylbenzene	9.47	1.0	µg/L	10.0	ND	94.7		70-130	4.09	30	
tert-Butylbenzene	10.5	1.0	µg/L	10.0	ND	105		70-130	2.51	30	
tert-Butyl Ethyl Ether (TBEE)	9.63	0.50	µg/L	10.0	ND	96.3		70-130	1.89	30	
Carbon Disulfide	97.3	5.0	µg/L	100	ND	97.3		70-130	3.74	30	
Carbon Tetrachloride	10.9	5.0	µg/L	10.0	ND	109		70-130	3.65	30	
Chlorobenzene	9.98	1.0	µg/L	10.0	ND	99.8		70-130	0.704	30	
Chlorodibromomethane	9.59	0.50	µg/L	10.0	ND	95.9		70-130	3.48	30	
Chloroethane	9.53	2.0	µg/L	10.0	ND	95.3		70-130	4.51	30	
Chloroform	10.6	2.0	µg/L	10.0	ND	106		70-130	4.35	30	
Chloromethane	3.93	2.0	µg/L	10.0	ND	**39.3**	*	70-130	4.69	30	MS-09
2-Chlorotoluene	9.83	1.0	µg/L	10.0	ND	98.3		70-130	1.02	30	
4-Chlorotoluene	10.0	1.0	µg/L	10.0	ND	100		70-130	0.902	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.63	5.0	µg/L	10.0	ND	76.3		70-130	3.73	30	
1,2-Dibromoethane (EDB)	10.1	0.50	µg/L	10.0	ND	101		70-130	2.93	30	
Dibromomethane	10.1	1.0	µg/L	10.0	ND	101		70-130	3.22	30	
1,2-Dichlorobenzene	8.94	1.0	µg/L	10.0	ND	89.4		70-130	1.24	30	
1,3-Dichlorobenzene	9.27	1.0	µg/L	10.0	ND	92.7		70-130	2.40	30	
1,4-Dichlorobenzene	9.20	1.0	µg/L	10.0	ND	92.0		70-130	3.09	30	
trans-1,4-Dichloro-2-butene	8.22	2.0	µg/L	10.0	ND	82.2		70-130	7.27	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 B310878 - SW-846 5030B											
Matrix Spike Dup (B310878-MSD1)	**Source: 22F0924-02**			Prepared & Analyzed: 06/16/22							
Dichlorodifluoromethane (Freon 12)	9.14	2.0	µg/L	10.0	ND	91.4		70-130	0.980	30	
1,1-Dichloroethane	10.2	1.0	µg/L	10.0	ND	102		70-130	1.36	30	
1,2-Dichloroethane	10.9	1.0	µg/L	10.0	ND	109		70-130	6.51	30	
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0	ND	107		70-130	3.23	30	
cis-1,2-Dichloroethylene	16.8	1.0	µg/L	10.0	6.05	107		70-130	3.15	30	
trans-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0	ND	109		70-130	3.08	30	
1,2-Dichloropropane	10.4	1.0	µg/L	10.0	ND	104		70-130	0.966	30	
1,3-Dichloropropane	10.1	0.50	µg/L	10.0	ND	101		70-130	1.09	30	
2,2-Dichloropropane	8.92	1.0	µg/L	10.0	ND	89.2		70-130	3.54	30	
1,1-Dichloropropene	10.6	2.0	µg/L	10.0	ND	106		70-130	3.06	30	
cis-1,3-Dichloropropene	8.95	0.50	µg/L	10.0	ND	89.5		70-130	2.21	30	
trans-1,3-Dichloropropene	8.88	0.50	µg/L	10.0	ND	88.8		70-130	1.02	30	
Diethyl Ether	8.95	2.0	µg/L	10.0	ND	89.5		70-130	1.80	30	
Diisopropyl Ether (DIPE)	9.85	0.50	µg/L	10.0	ND	98.5		70-130	2.26	30	
1,4-Dioxane	91.8	50	µg/L	100	ND	91.8		70-130	1.37	30	
Ethylbenzene	9.88	1.0	µg/L	10.0	ND	98.8		70-130	0.304	30	
Hexachlorobutadiene	8.04	0.60	µg/L	10.0	ND	80.4		70-130	1.63	30	
2-Hexanone (MBK)	89.8	10	µg/L	100	ND	89.8		70-130	0.0892	30	
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0	ND	101		70-130	1.60	30	
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0	ND	101		70-130	2.30	30	
Methyl Acetate	6.49	1.0	µg/L	10.0	ND	**64.9**	*	70-130	5.98	30	MS-09
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0	ND	101		70-130	1.30	30	
Methyl Cyclohexane	10.3	1.0	µg/L	10.0	ND	103		70-130	4.38	30	
Methylene Chloride	10.4	5.0	µg/L	10.0	ND	104		70-130	2.23	30	
4-Methyl-2-pentanone (MIBK)	92.4	10	µg/L	100	ND	92.4		70-130	1.11	30	
Naphthalene	6.31	2.0	µg/L	10.0	ND	**63.1**	*	70-130	3.88	30	MS-09
n-Propylbenzene	9.96	1.0	µg/L	10.0	ND	99.6		70-130	2.54	30	
Styrene	9.53	1.0	µg/L	10.0	ND	95.3		70-130	0.00	30	
1,1,1,2-Tetrachloroethane	10.7	1.0	µg/L	10.0	ND	107		70-130	1.99	30	
1,1,2,2-Tetrachloroethane	9.71	0.50	µg/L	10.0	ND	97.1		70-130	0.103	30	
Tetrachloroethylene	48.3	1.0	µg/L	10.0	35.1	**132**	*	70-130	1.19	30	MS-24
Tetrahydrofuran	9.03	10	µg/L	10.0	ND	90.3		70-130	0.333	30	J
Toluene	9.87	1.0	µg/L	10.0	ND	98.7		70-130	0.00	30	
1,2,3-Trichlorobenzene	6.52	5.0	µg/L	10.0	ND	**65.2**	*	70-130	4.55	30	MS-09
1,2,4-Trichlorobenzene	7.70	1.0	µg/L	10.0	ND	77.0		70-130	3.03	30	
1,3,5-Trichlorobenzene	8.24	1.0	µg/L	10.0	ND	82.4		70-130	2.33	30	
1,1,1-Trichloroethane	11.1	1.0	µg/L	10.0	ND	111		70-130	3.10	30	
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0	ND	103		70-130	1.67	30	
Trichloroethylene	12.6	1.0	µg/L	10.0	1.10	115		70-130	2.49	30	
Trichlorofluoromethane (Freon 11)	9.84	2.0	µg/L	10.0	ND	98.4		70-130	2.05	30	
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0	ND	107		70-130	4.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0	ND	108		70-130	0.931	30	
1,2,4-Trimethylbenzene	9.45	1.0	µg/L	10.0	ND	94.5		70-130	1.49	30	
1,3,5-Trimethylbenzene	9.96	1.0	µg/L	10.0	ND	99.6		70-130	2.34	30	
Vinyl Chloride	9.69	2.0	µg/L	10.0	ND	96.9		70-130	1.46	30	
m+p Xylene	20.0	2.0	µg/L	20.0	ND	100		70-130	0.647	20	
o-Xylene	10.0	1.0	µg/L	10.0	ND	100		70-130	1.10	30	
Surrogate: 1,2-Dichloroethane-d4	*23.9*		µg/L	25.0		95.5		70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.1		70-130			
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/L	25.0		103		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.
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-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-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
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-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.
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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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
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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
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	06/30/2023
CT	Connecticut Department of Publilc 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

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

225924
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Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 2

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	EA Engineering
Address:	2269 W Jefferson St
Phone:	
Project Name:	Roxy Cleaners
Project Location:	North Greenbush, NY
Project Number:	1602506
Project Manager:	Chris Sanson
Pace Analytical Quote Name/Number	
Invoice Recipient:	Chris Sanson csanson@eaest.com
Sampled By:	Monah Gilkey

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

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

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☒
Email To: csanson@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260 - VOCs	24 H	G	# of Containers	[2] Preservation Code	[3] Container Code
1	442024-MW-113A	06/13/22 1146			X	GW	V	X					
2	442024-MW-115A	06/13/22 1121			X	GW	V	X					
3	442024-MW-106A	06/13/22 1252			X	GW	V	X					
4	442024-MW-111	06/13/22 1600			X	GW	V	X					
5	442024-TW-06	06/13/22 1449			X	GW	V	X					
6	442024-TW-07	06/13/22 1502			X	GW	V	X					
7	442024-TW-08	06/13/22 1406			X	GW	V	X					
8	442024-TW-09	06/13/22 1347			X	GW	V	X					
9	442024-TW-10	06/13/22 1303			X	GW	V	X					
10	442024-MW-114A	06/13/22 ~~1215~~ 1215			X	GW	V	X					

(MS/MSD)

Comments:

TMG

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

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

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

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

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Monah Gilkey	Date/Time: 06/14/22 1015
Received by: (signature)		Date/Time: 6-14 1015
Relinquished by: (signature)		Date/Time: 6.14 1700
Received by: (signature)	4.2	Date/Time: 6/15/22 935
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Pace Analytical®

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https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 2 of 2

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	EA Engineering
Address:	2129 W Jefferson St Syracuse NY
Phone:	
Project Name:	Roxy Cleaners
Project Location:	North Greenbush, NY
Project Number:	14025096
Project Manager:	Chris Sanson
Pace Analytical Quote Name/Number	
Invoice Recipient:	Chris Sanson csanson@eaest.com
Sampled By:	Moriah Gilkey

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

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

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☒
Email To: csanson@eaest.com
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260 - VOCs	6	H	G	# of Containers	Preservation Code	Container Code
11	442024-FD-06132022	06/13/22			X	GW	V	X						
12	442024-TB-06132022	Lab filled	—	—	—	—	—	X						
13	442024-FB-06132022	06/13/22 1539				GW	V	X						

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

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

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

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

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

	Date/Time:
Relinquished by: (signature) Moriah Gilkey	06/14/22 1015
Received by: (signature)	6.14.22 1045
Relinquished by: (signature)	6-14 1700
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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FedEx® Tracking

777128300953

ADD NICKNAME

Delivered
Wednesday, 6/15/2022 at 9:23 am

SHIPMENT IS 1 OF 5 PIECES

DELIVERED

Signed for by: O.ORTIZ

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
East Syracuse, NY US	EAST LONGMEADOW, MA US

MANAGE DELIVERY

5 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
777128301272	Delivered	6/14/22	6/15/22	0	East Syracuse NY	EAST LONGMEADOW MA
777128300953 (master)	Delivered	6/14/22	6/15/22	0	East Syracuse NY	EAST LONGMEADOW MA
777128301630	Delivered	6/14/22	6/15/22	0	East Syracuse NY	EAST LONGMEADOW MA
777128301310	Delivered	6/14/22	6/15/22	0	East Syracuse NY	EAST LONGMEADOW MA
777128301283	Delivered	6/14/22	6/15/22	0	East Syracuse NY	EAST LONGMEADOW MA

Travel History

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 E-A engineering

Received By LA Date 8/15/22 Time 923

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 - 4.2
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 T Analysis ID's T Sampler Name T
Project 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? N/A MS/MSD? F (NA) T
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F 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-	27	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:

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Appendix E

Groundwater Time Series Plot

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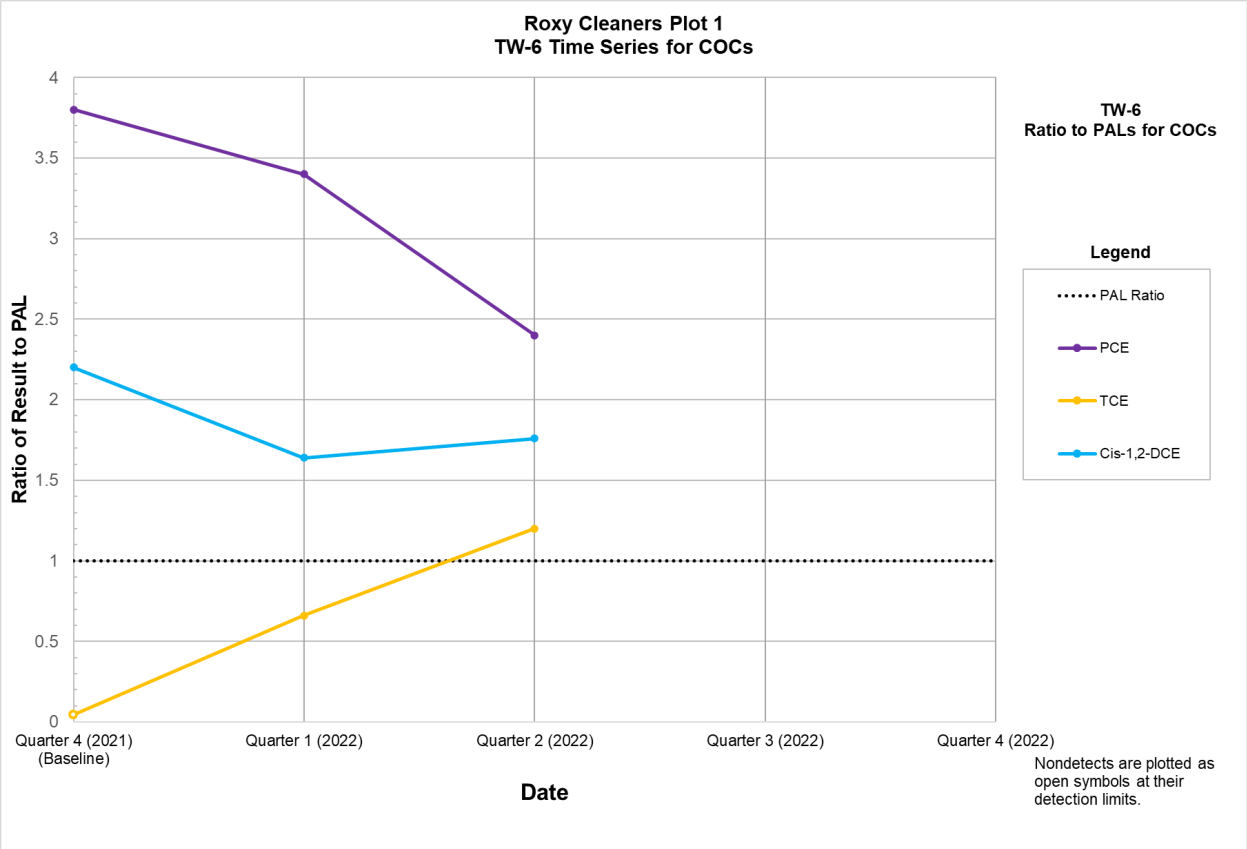
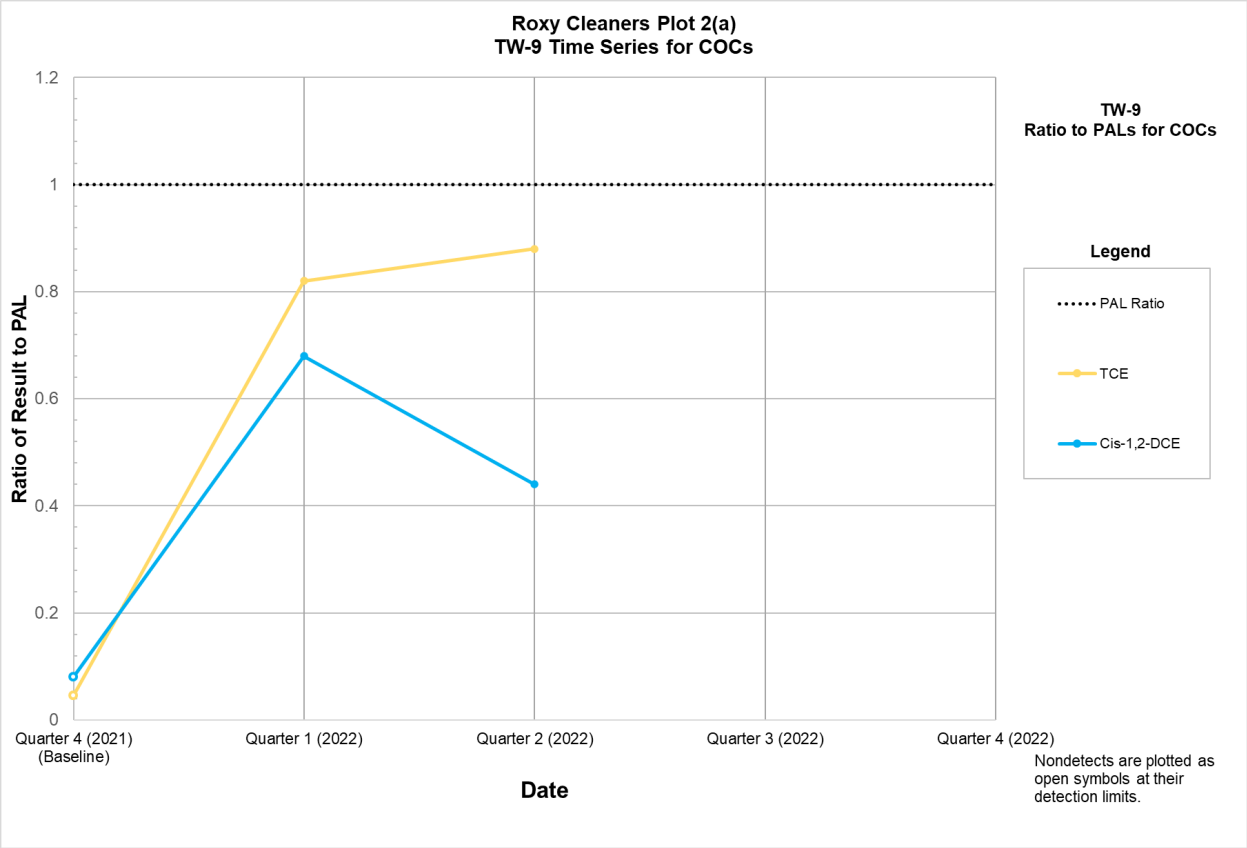
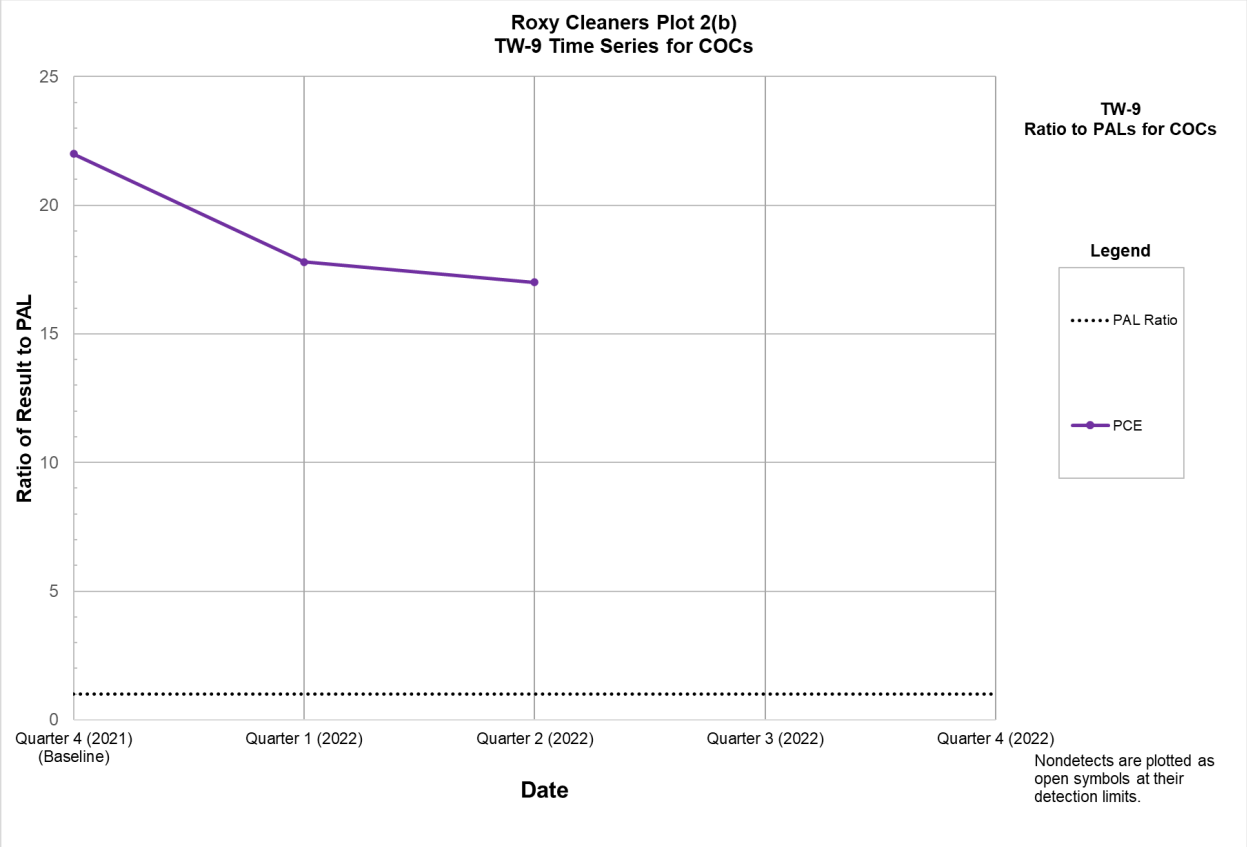
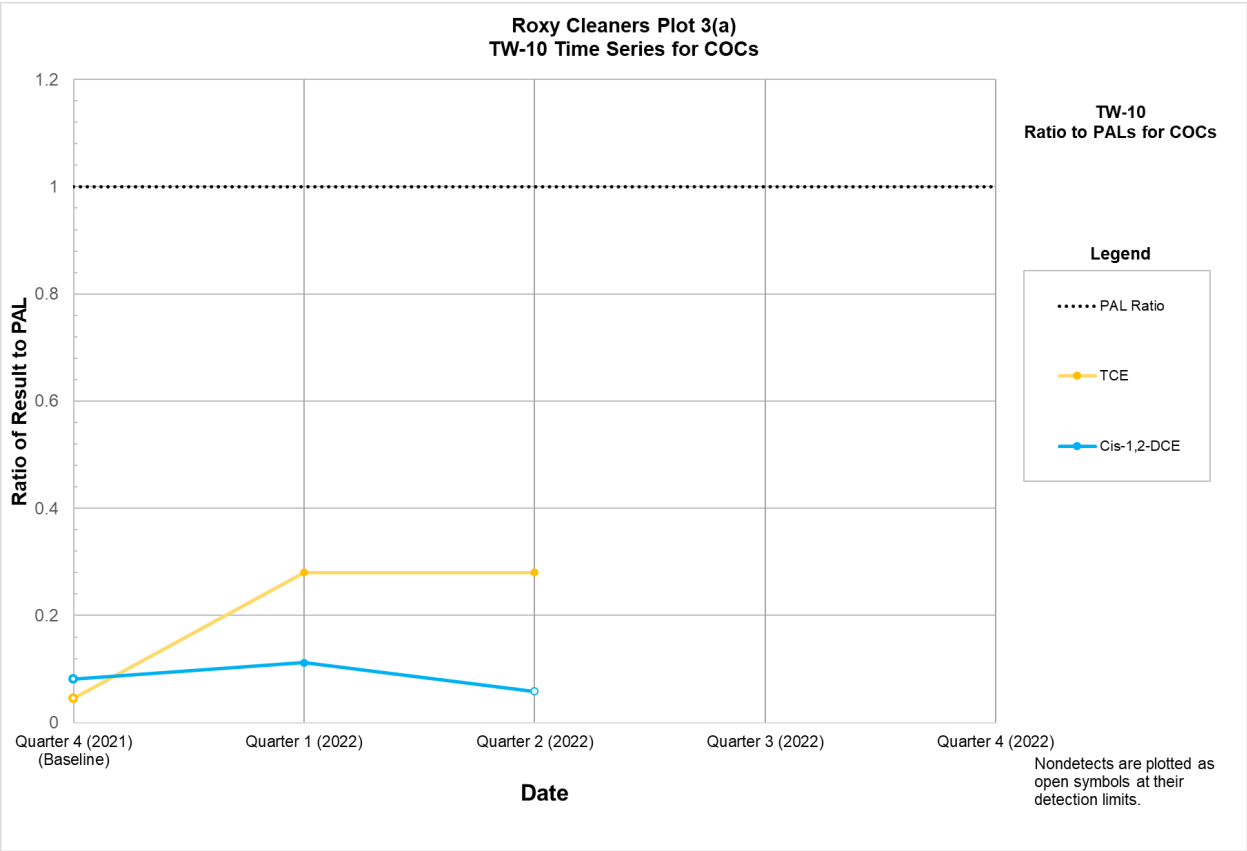
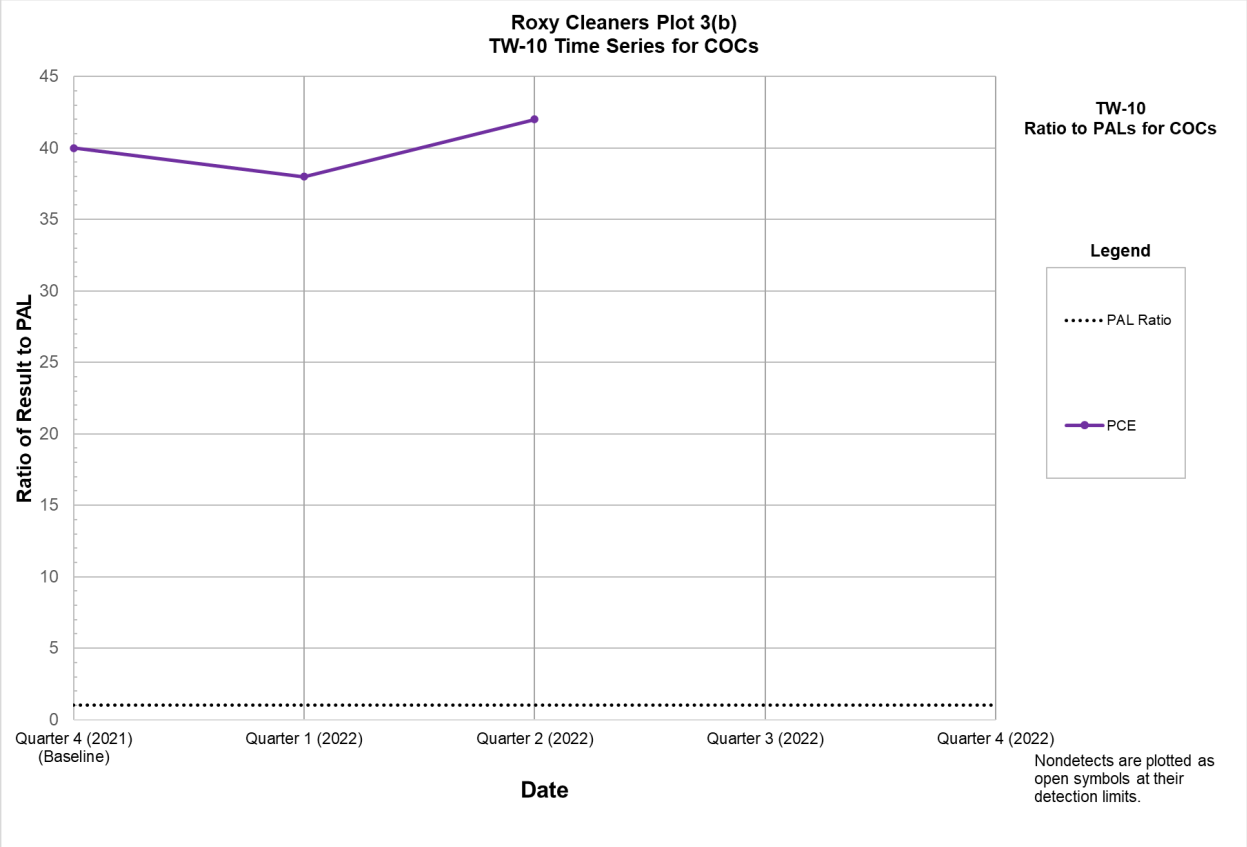
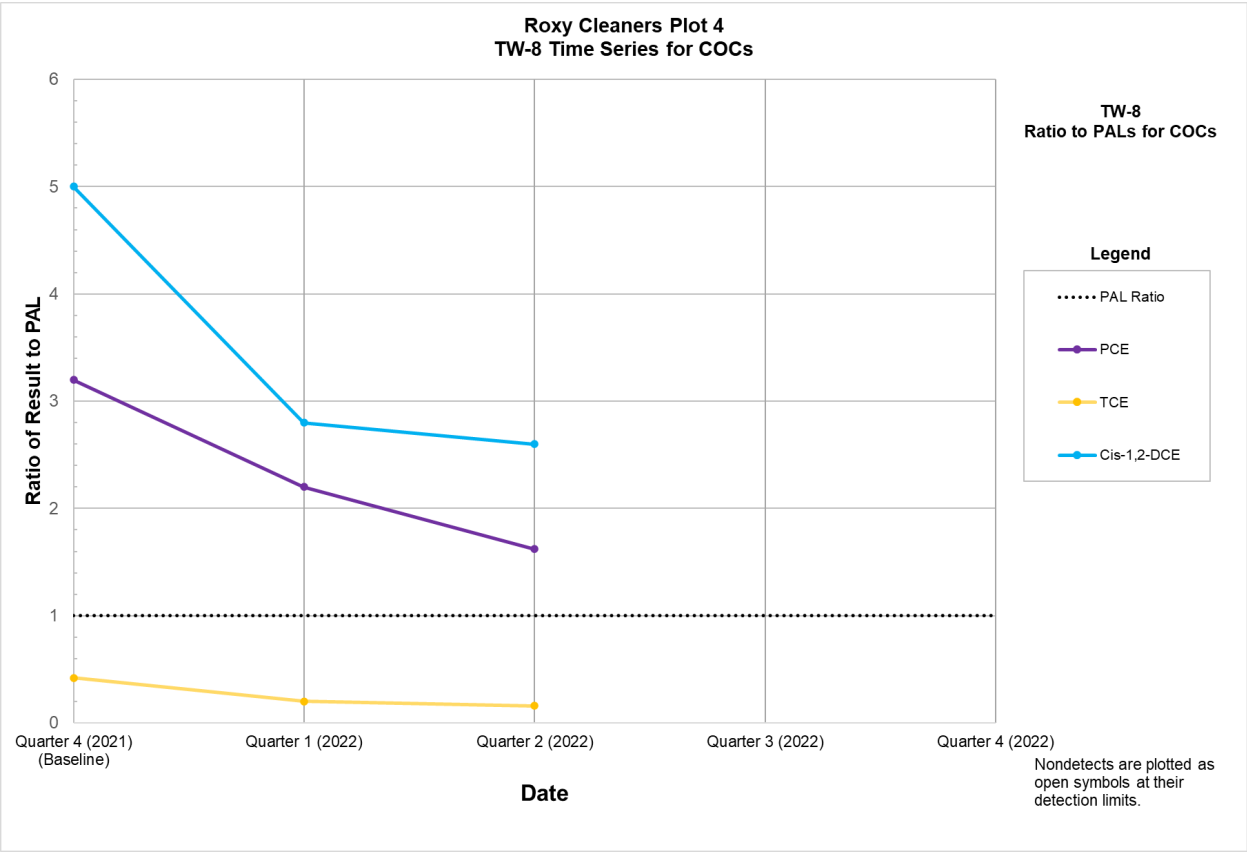

Roxy Cleaners Plot 1
TW-6 Time Series for COCs
Ratio of Result to PAL
4
3.5
3
2.5
2
1.5
1
0.5
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
TW-6
Ratio to PALs for COCs
Legend
PAL Ratio
PCE
TCE
Cis-1,2-DCE
Nondetects are plotted as open symbols at their detection limits.

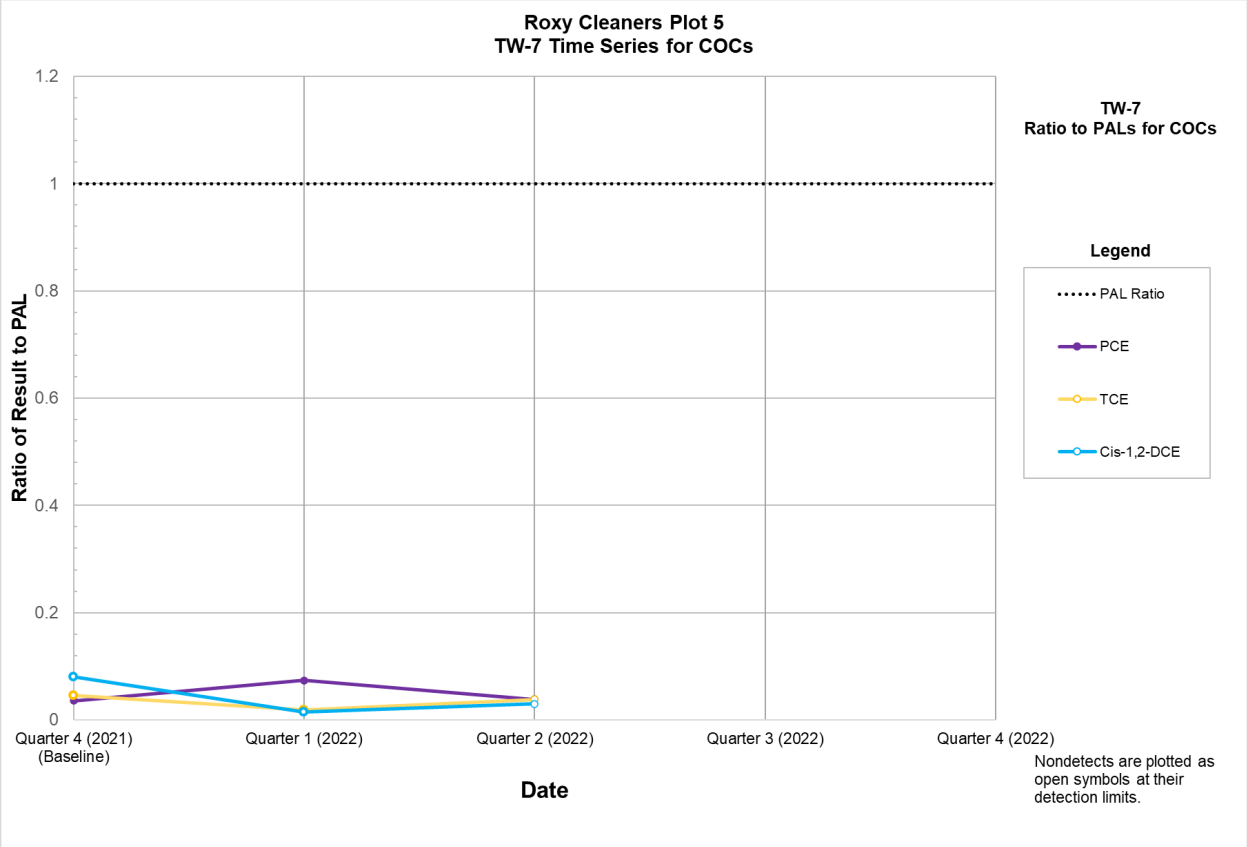

Roxy Cleaners Plot 2(a)
TW-9 Time Series for COCs
Ratio of Result to PAL
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
TW-9
Ratio to PALs for COCs
Legend
PAL Ratio
TCE
Cis-1,2-DCE
Nondetects are plotted as open symbols at their detection limits.

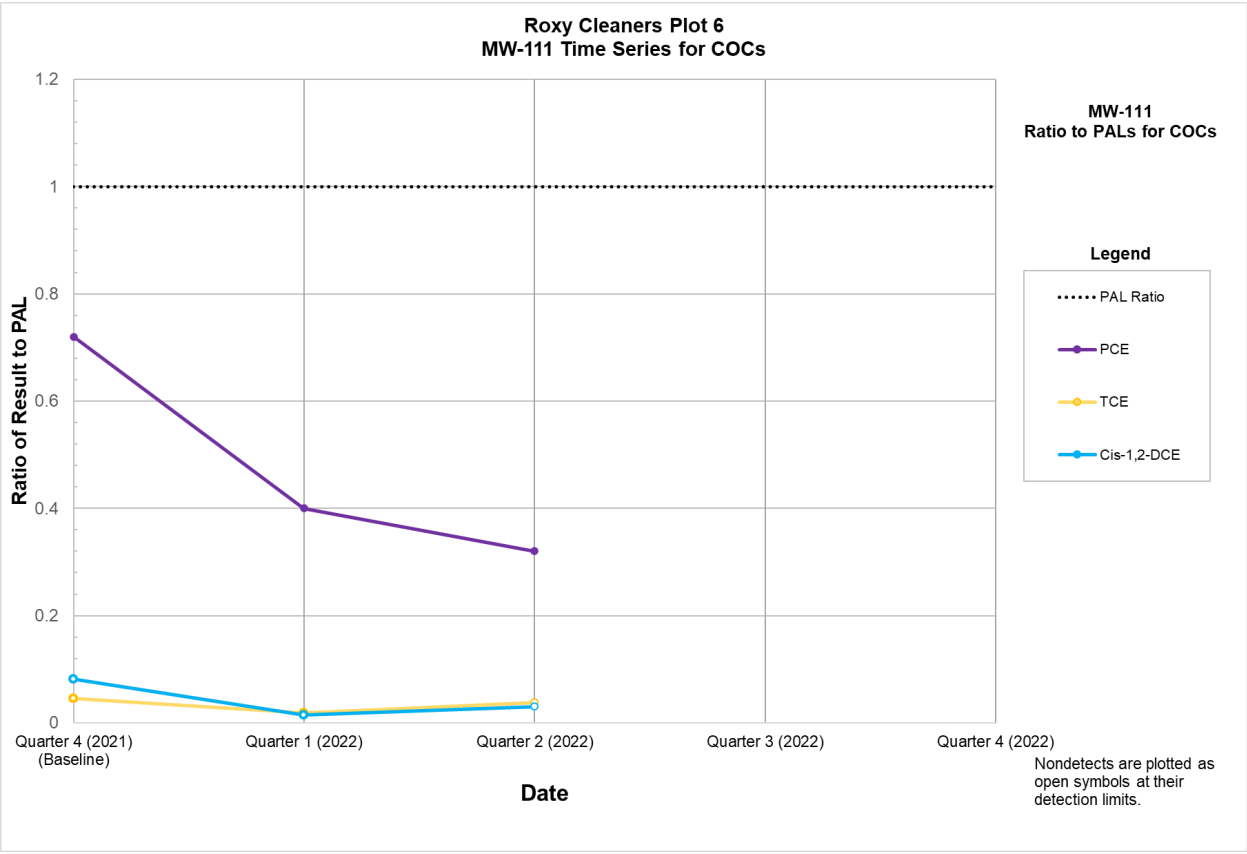

Roxy Cleaners Plot 2(b)
TW-9 Time Series for COCs
Ratio of Result to PAL
25
20
15
10
5
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
TW-9
Ratio to PALs for COCs
Legend
PAL Ratio
PCE
Nondetects are plotted as open symbols at their detection limits.

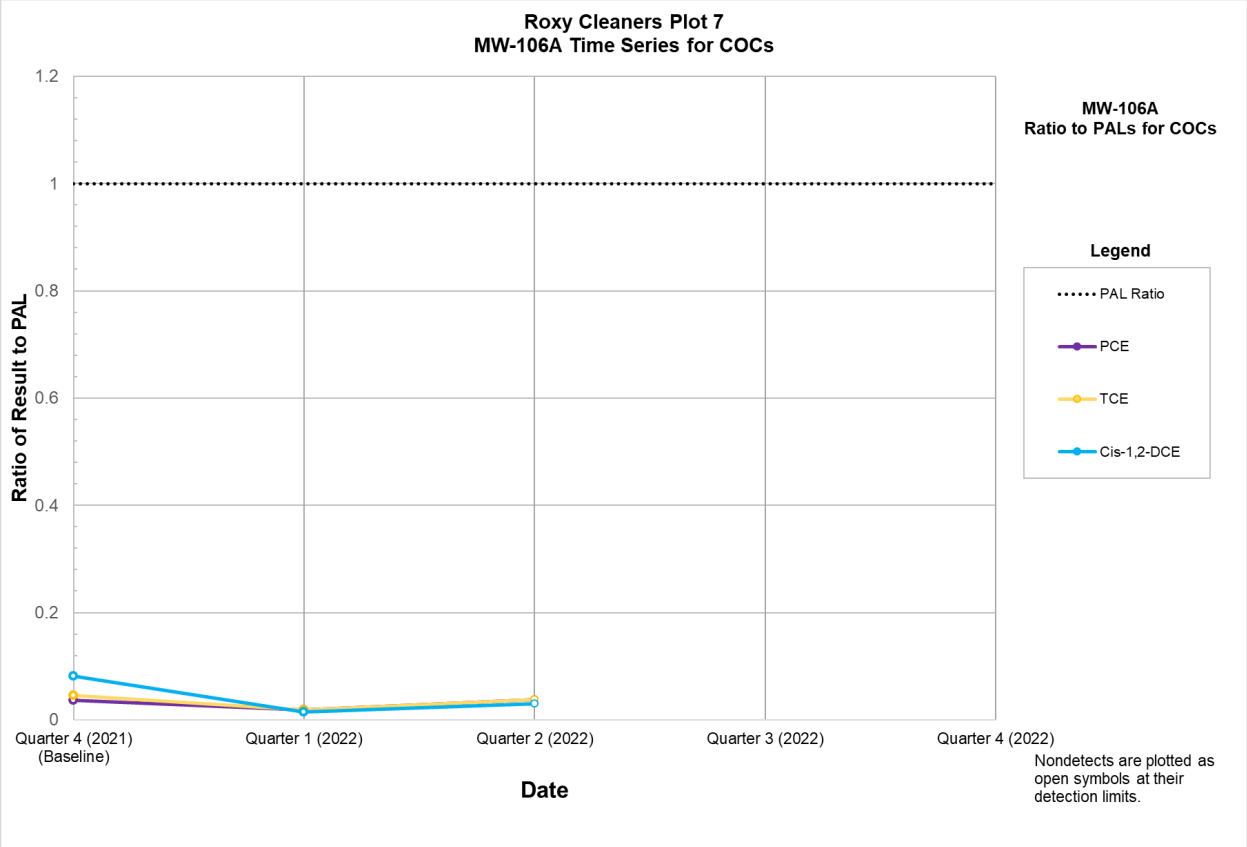

Roxy Cleaners Plot 3(a)
TW-10 Time Series for COCs
Ratio of Result to PAL
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
TW-10
Ratio to PALs for COCs
Legend
PAL Ratio
TCE
Cis-1,2-DCE
Nondetects are plotted as open symbols at their detection limits.

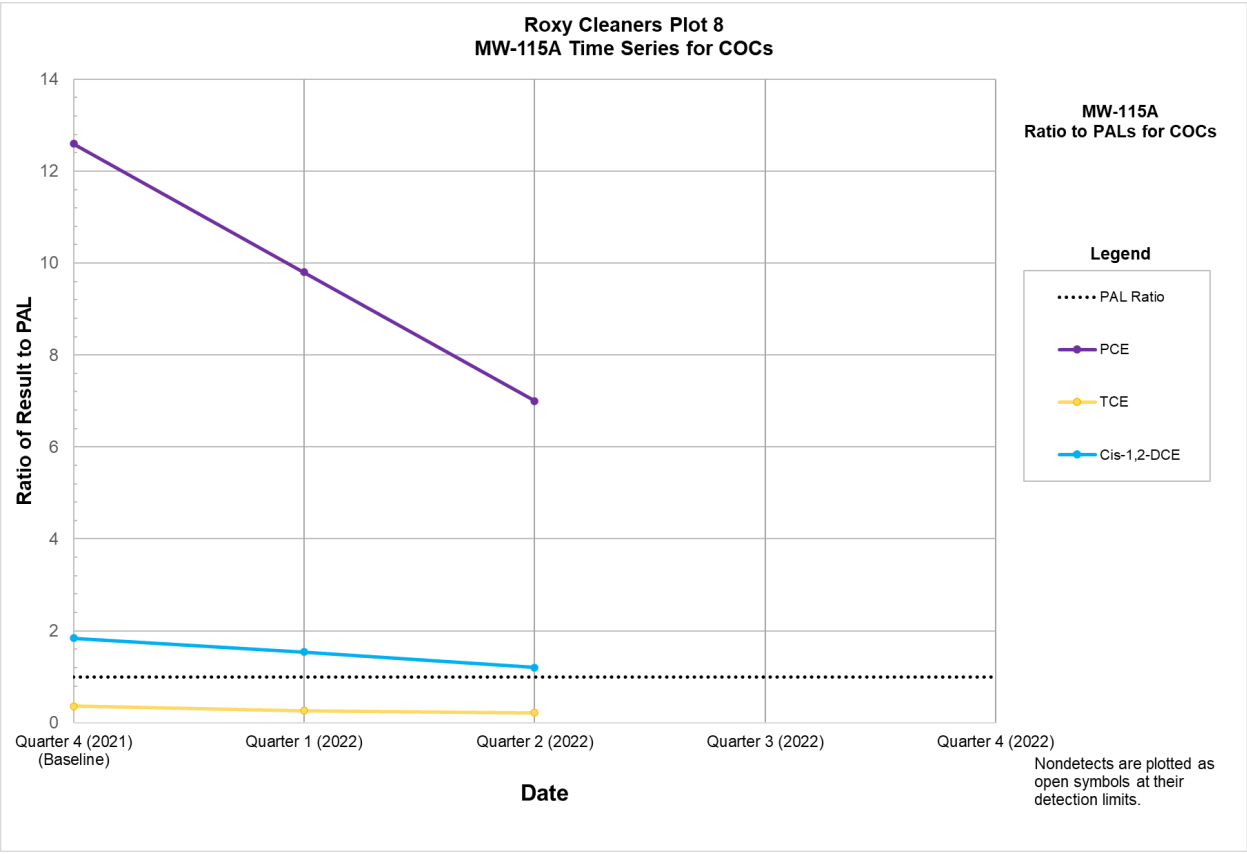

Roxy Cleaners Plot 3(b)
TW-10 Time Series for COCs
Ratio of Result to PAL
45
40
35
30
25
20
15
10
5
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
TW-10
Ratio to PALs for COCs
Legend
PAL Ratio
PCE
Nondetects are plotted as open symbols at their detection limits.

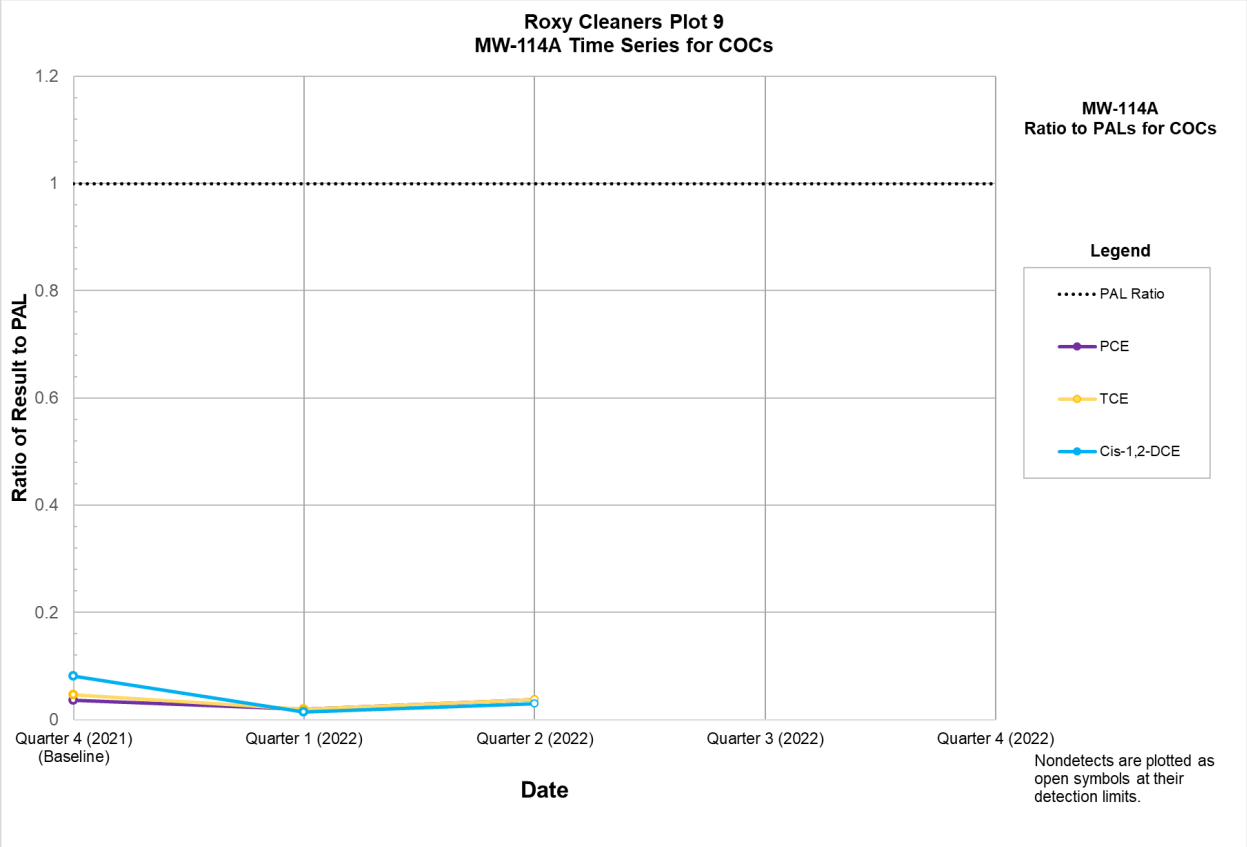

Roxy Cleaners Plot 4
TW-8 Time Series for COCs
Ratio of Result to PAL
6
5
4
3
2
1
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
TW-8
Ratio to PALs for COCs
Legend
PAL Ratio
PCE
TCE
Cis-1,2-DCE
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 5
TW-7 Time Series for COCs
Ratio of Result to PAL
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
TW-7
Ratio to PALs for COCs
Legend
PAL Ratio
PCE
TCE
Cis-1,2-DCE
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 6
MW-111 Time Series for COCs
Ratio of Result to PAL
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
MW-111
Ratio to PALs for COCs
Legend
PAL Ratio
PCE
TCE
Cis-1,2-DCE
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 7
MW-106A Time Series for COCs
Ratio of Result to PAL
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
MW-106A
Ratio to PALs for COCs
Legend
PAL Ratio
PCE
TCE
Cis-1,2-DCE
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 8
MW-115A Time Series for COCs
Ratio of Result to PAL
14
12
10
8
6
4
2
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
MW-115A
Ratio to PALs for COCs
Legend
PAL Ratio
PCE
TCE
Cis-1,2-DCE
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 9
MW-114A Time Series for COCs
Ratio of Result to PAL
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Date
MW-114A
Ratio to PALs for COCs
Legend
PAL Ratio
PCE
TCE
Cis-1,2-DCE
Nondetects are plotted as open symbols at their detection limits.