New York State Department of Environmental Conservation

Division of Environmental Remediation
Remedial Bureau A, 12th Floor

625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9620 • **Fax:** (518) 402-9627

Website: www.dec.ny.gov

MEMORANDUM

TO: FILE

FROM: Brian Jankauskas, P.E.

SUBJECT: **2023 Groundwater Monitoring and Periodic Review**

Site Name: Camarota Cleaners **Site Code:** 546044

City: Mechanicville **County:** Saratoga

DATE: September 29, 2023

The Camarota Cleaners site is located in Mechanicville, New York, see Figure 1. Groundwater monitoring and site inspection was performed at the above-referenced site on August 1, 2023, by the New York State Department of Environmental Conservation (NYSDEC). Monitoring was performed in accordance with the Site Management Plan (SMP) dated June 2011 for this site.

Groundwater Monitoring Procedures

At each well the depth to the static water level was measured using a water interface probe. Measurements were recorded to the nearest 0.01 foot. These measurements are included in Table 1. Groundwater elevations were higher this year due to the significant rainfall within the region during the month of July. All monitoring wells were accessible for purging and sampling.

Before the monitoring wells were sampled, the monitoring wells were purged with a peristaltic pump. High density polyethylene and silicone tubing were decontaminated prior to setup at each monitoring well location. The goal was to purge three to five well volumes prior to sampling. Groundwater parameters (pH, temperature, and conductivity) were recorded during purging to evaluate

stabilization. Purge logs are provided in Appendix A. Purge water was collected and dispersed onto the ground.

After purging the monitoring wells, samples were collected by utilizing a new disposable bailer at each monitoring well. The samples were managed in accordance with the SMP. Quality assurance/quality control (QA/QC) samples were also obtained. QA/QC samples included a duplicate of MW-03 and a trip blank. An equipment blank sample from a disposable bailer was not obtained. After obtaining the samples, they were delivered to Pace Analytical Laboratories, a New York State Department of Health NELAP-certified laboratory. Samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) by EPA method 8260C. The laboratory Category A deliverable is included in Appendix B.

Groundwater Monitoring Results

The analytical results for VOCs are presented in Table 2. The primary site contaminants tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (DCE), and vinyl chloride (VC) are depicted in Figure 2. The duplicate sample from MW-02 contained the highest concentration of PCE at 27 micrograms per liter (ug/l) and TCE at 7.8 ug/l. MW-01 contained the highest concentration of DCE at 14 ug/l. The sample from MW-04 contained the highest concentration VC at 3.6 ug/l.

The analytical results from 2007 to 2023 for the primary contaminants are presented in Table 3 for monitoring wells MW-01, MW-02, MW-03, and MW-04. The groundwater sampling results from August 2023 were compared to previous groundwater sampling results to evaluate the changes in groundwater conditions at the site. The primary contaminant, PCE, was only detected above groundwater standard at MW-02 and MW-03. TCE was only detected above the groundwater standard at MW-02. DCE was detected above the groundwater standards at MW-01 and MW-02. VC was detected above the groundwater standard at MW-04. A groundwater sample was obtained from MW-05, which was below groundwater standards, but did contain a low concentration of PCE (1.1 ug/l). In general, the concentrations of the primary contaminants decreased when compared to historical data, see Table 3. This was particularly apparent at MW-02, which had PCE and TCE concentrations reduce by about half. Groundwater results indicate that reductive dechlorination is still occurring since PCE degradation products (TCE, DCE, and VC) were detected at the four onsite wells.

Based on the review of the QA/QC samples (duplicate at MW-03 and a trip blank) and the laboratory narrative provided in Appendix B, the analytical results are usable for assessing groundwater trends. The complete laboratory package is included in Appendix B.

Site-Wide Inspection and Periodic Certification

August 1, 2023: NYSDEC assessed the site by completing the Site-Wide Inspection List and Periodic Operations Visit Form, Appendix A. The site building was divided into two apartment units. Field staff was able to enter the building and record monometer vacuum value, see Appendix A picture.

During the site inspection, all monitoring wells were accessible to field staff and in good condition.

Field logs and photographs from site activities can be found in Appendix A.

Certifications by the property owner regarding compliance with the SMP are included in Appendix C.

Summary and Recommendations

Groundwater VOC concentrations appear to have decreased compared to historical results. The highest detection of a primary contaminant was PCE at 27 µg/L at MW-02, which was approximately half of the historical results that have been observed since 2015. The reduction in groundwater concentrations is a positive sign that site conditions are improving, but potentially could be due to the significant rainfall that occurred in the region during the month of July. Routine groundwater monitoring should be performed to monitor the VOC levels, as the onsite monitoring wells were found to contain site related VOC contamination exceeding the NYSDEC GA Groundwater standard for their respective compounds. Reductive dichlorination continues to occur, which indicates that site contamination is reducing.

The sub-slab depressurization system was operating and continues to be protective of the building occupants.

Based on this information, the site is in compliance with the SMP and continued site management activities are still necessary. Future certifications by the property owner are necessary to verify compliance with the SMP.

Legend

- Overburden Monitoring Well
- Site Boundary

N

0 25 50 100 Feet

1 inch = 50 feet

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Figure 1

Monitoring Well Location Plan
Camarota Cleaners, Site No. 546044

Legend

Site Boundary

Monitoring Well

N

0 20 40 80 Feet

1 inch = 40 feet

CVOCs	Abbreviation	Groundwater Standard (µg/L)
Tetrachloroethene	PCE	5
Trichlorethene	TCE	5
cis-1,2-dichloroethene	DCE	5
Vinyl chloride	VC	2

U: Not detected
J: Estimated

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Figure 2

CVOC Groundwater Concentrations
August 1, 2023
Camarota Cleaners, Site No. 546044

Table 1

Camarota Cleaners

Mechanicville, New York

Site Number: 546044

Groundwater Elevations for August 1, 2023

Monitoring Well Identification	Casing Construction	X-Coordinate	Y-Coordinate	Elevation at Top of Riser Pipe (ft AMSL)	Bottom of Monitoring Well Elevation (ft AMSL)	Top of Screen Elevation (ft AMSL)	Depth to Water (ft)	Elevation of Ground Water (ft AMSL)
MW-01	Flushmount	-73.690947	42.903319	104.32	9.37	3.75 - 9.75	5.40	98.92
MW-02	Flushmount	-73.690909	42.903098	105.35	10.18	3.75 - 10.7	5.95	99.4
MW-03	Flushmount	-73.690896	42.903048	adjusted	11.74	4.7 - 11.7	6.68	NA
MW-04	Flushmount	-73.691028	42.903037	adjusted	11.08	4.1 - 11.1	6.20	NA
MW-05	Flushmount	-73.690421	42.902975	101.03	14.21	5.0 - 15.0	11.35	89.68

NOTE: ft AMSL = feet above mean sea level

Table 2
Camarota Cleaners
Mechanicville, New York
Site Number 546044
Volatile Organic Results - August 2023

	Location	MW-01		MW-02		MW-02		MW-03		MW-04		MW-05		Trip Blank	
	Sample Name	MW-1-2023		DUP-2023		MW-2-2023		MW-3-2023		MW-4-2023		MW-5-2023		TB-2023	
	Sample Date	01 Aug 2023		01 Aug 2023		01 Aug 2023		01 Aug 2023		01 Aug 2023		01 Aug 2023		01 Aug 2023	
Chemical Name	NYSDEC TOGS 111 Criteria	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Ethylbenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Styrene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
N-Propylbenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
N-Butylbenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
4-Chlorotoluene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.6	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NC	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Isopropyl Ether	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3,5-Trimethylbenzene (Mesitylene)	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trichlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylcyclohexane	NC	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrahydrofuran	50	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Trans-1,4-Dichloro-2-Butene	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dioxane (P-Dioxane)	0.35	50	U	50	U	50	U	50	U	50	U	50	U	50	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethylene (PCE)	5	3.9		27		23		6.1		2.6		1.1		1	U
Sec-Butylbenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichloropropane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cis-1,2-Dichloroethylene	5	14		8.2		7.4		4.8		4.4		1	U	1	U
Trans-1,2-Dichloroethene	5	1	U	0.96	J	0.73	J	1	U	1	U	1	U	1	U
Tert-Butyl Methyl Ether	10	1	U	1	U	1	U	1	U	1	U	1	U	1	U
m,p-Xylene	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon Tetrachloride	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,1-Dichloropropene	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Hexanone	50	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2,2-Dichloropropane	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Diethyl Ether (Ethyl Ether)	NC	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,1,1,2-Tetrachloroethane	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethyl Tert-Butyl Ether	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	50	50	U	50	U	50	U	50	U	50	U	50	U	50	U
Chloroform	7	2	U	2	U	2	U	2	U	2	U	0.4	J	2	U
Benzene	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,1-Trichloroethane (TCA)	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Chloromethane (Methyl Chloride)	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Dibromomethane	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromochloromethane	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Vinyl Chloride	2	1.3	J	1.4	J	1.1	J	0.88	J	3.6		2	U	2	U
Methylene Chloride	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon Disulfide	60	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bromoform	50	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Tert-Butyl Alcohol	NC	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Trichlorofluoromethane	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Dichlorodifluoromethane	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methyl Ethyl Ketone (2-Butanone)	50	20	U	20	U	20	U	20	U	20	U	20	U	20	U
1,1,2-Trichloroethane	1	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethylene (TCE)	5	3.1		7.8		6.5		1.2		1.2		1	U	1	U
Methyl Acetate	NC	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Hexachlorobutadiene	0.5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Naphthalene	10	2	U	2	U	2	U	2	U	2	U	2	U	2	U
O-Xylene (1,2-Dimethylbenzene)	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Chlorotoluene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trimethylbenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-Chloropropane	0.04	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2,3-Trichloropropane	0.04	2	U	2	U	2	U	2	U	2	U	2	U	2	U
T-Butylbenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene (Cumene)	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Methoxy-2-Methylbutane	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cymene (4-Isopropyltoluene)	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes
Units: micrograms per liter (ug/l)
U: Not Detected
J: Approximate Value
Highligted values indicate concentrations above the groundwater criteria

Table 3

Camarota Cleaners

Mechanicville, New York

Site Number: 546044

CVOCs Trends In On-Site Monitoring Wells

CVOC Analyte	Groundwater Sampling Date	On-site Monitoring Well Location ID			
		MW-01	MW-02	MW-03	MW-04
Tetrachloroethene (PCE)	5/2/2007	43	30	17	35
	9/25/2007	400	39	9	26
	10/22/2007	380	18	12	25
	4/21/2008	83	34	9.3	27
	7/15/2008	110	23	8.3	31
	9/25/2008	130	42	5.8	17
	1/5/2009	59	22	4.2	9.6
	4/20/2009	62	36	6.2	14
	6/14/2011	65	28	7.3	9.7
	6/13/2012	9.9	4.2	2.5	3.8
	6/11/2013	3.3	16	2.1	1.6
	6/10/2014	2.7	31	0.66	U
	6/24/2015	4.5	65	1	0.43
	6/8/2016	3.3	58	0.78 J	U
	6/21/2017	2.5	46	0.90 J	U
	6/6/2018	1.6	51	0.47 J	0.48 J
	7/12/2019	1.9	45	1.1	U
	6/25/2021	4	48	3.4	0.79 J
	6/16/2022	2.3	58	7.2	U
	8/1/2023	3.9	23	6.1	2.6
Trichloroethene (TCE)	5/2/2007	21	1.8	32	11
	9/25/2007	46	3	21	14
	10/22/2007	43	1	18	12
	4/21/2008	17	2.4	23	7.9
	7/15/2008	22	2.4	34	13
	9/25/2008	23	3.7	39	12
	1/5/2009	11	1.6	16	5.2
	4/20/2009	11	2.8	31	7.5
	6/14/2011	19	7	10	12
	6/13/2012	8.3	0.58	17	4.7
	6/11/2013	1	5	14	8.2
	6/10/2014	4.5	10	8.7	1.7
	6/24/2015	6.9	15	8.2	0.94
	6/8/2016	5.2	15	4.8	0.76 J
	6/21/2017	5.9	15	2.6	0.50 J
	6/6/2018	4.5	19	5.5	0.49 J
	7/12/2019	1.6	15	1.9	U
	6/25/2021	3.9	13	2.3	0.78 J
	6/16/2022	2.7	14	1.7	U
	8/1/2023	3.1	6.5	1.2	1.2
***cis*-1,2-dichloroethene (*cis*-1,2-DCE)**	5/2/2007	12	U	75	5.3
	9/25/2007	48	U	130	35
	10/22/2007	48	U	91	21
	4/21/2008	12	U	90	7.5
	7/15/2008	17	U	140	21
	9/25/2008	22	U	180	34
	1/5/2009	9	U	72	8.3
	4/20/2009	10	U	100	10
	6/14/2011	19	6.6	35	29
	6/13/2012	21	U	78	14
	6/11/2013	3.1	6.2	77	19
	6/10/2014	21	17	79	15
	6/24/2015	61	21	63	17
	6/8/2016	35	19	50	16
	6/21/2017	54	24	11	11
	6/6/2018	34	26	48	11
	7/12/2019	24	27	15	6
	6/25/2021	20	15	16	3
	6/16/2022	15	16	5.7	3
	8/1/2023	14	7.4	4.8	4.4
Vinyl chloride (VC)	5/2/2007	U	U	26	1.5
	9/25/2007	U	U	U	U
	10/22/2007	U	U	U	U
	4/21/2008	U	U	29	U
	7/15/2008	U	U	35	7.6
	9/25/2008	2.6 J	U	62 J	13
	1/5/2009	U	U	17	4.5
	4/20/2009	1.9	U	17	2.4
	6/14/2011	U	U	11	9.8 J
	6/13/2012	2.7	U	24	3.8
	6/11/2013	U	U	29	5.9
	6/10/2014	2.3	3.9	33	2.5
	6/24/2015	6.6	6.6	35	3.4
	6/8/2016	9.5	5.1	28	5
	6/21/2017	4.3	6.4	3.8	4.6
	6/6/2018	2.6	7.6	26	5.1
	7/12/2019	1.4	6.9	3.4	7.2
	6/25/2021	2.5	2.5	3.9	4
	6/16/2022	2.6	3.6	4.6	4.2
	8/1/2023	1.3	1.1	0.88	3.6

Notes

1. Analytical results shown in table are in µg/L.
2. CVOC = Chlorinated volatile organic compounds
3. U = Analyte was not detected above the laboratory method detection limit.
4. J = estimated (above detection limit but below reporting limit)

Appendix A

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Division of Environmental Remediation
Central Office

Field Log

Site Code #: 546044	Date: 8/1/23

Site Name: Camarota Cleaners
Location: Mechanicville
DEC Project Manager: Brian Jankauskas

	AM	PM
Weather	Sunny	Sunny
Temperature	65	75
Wind Direction	—	—

Objective: Groundwater sampling & site inspection for annual report.

Description of Inspection Activities and Discussions:

847 on site, start monitoring well gauging, sampling activities.
1420 Joe Starr on site, checked SSDS manometers.
1430 offsite
1450 drop cooler at laboratory.

Health & Safety:
Level of protection: Level D, used nitrile gloves

Site Representative:
Representative's Signature: [signature]

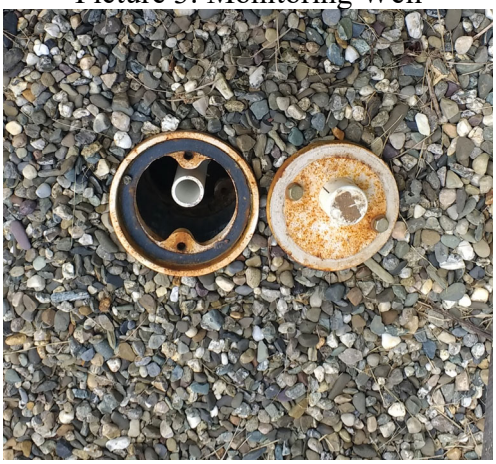
Date: 8/1/23

Photo Log

Picture 1: North Side of Building

Picture 2: South Side of Building

Picture 3: Monitoring Well



Picture 4 and 5: Monometer Readings

Site-Wide Inspection List
Camarota Cleaners Site
325 Park Avenue, Mechanicville, NY

Date of Inspection: 8/1/23

Inspection by: BFJ

Site-wide inspections will be performed to assess the following:

1. Reason for inspection? Annual water sampling & inspection
2. Is the Site Management Plan present at the site? ~~Y~~ NO
3. Verify owner contact information for the site? same as last year
4. Is the site occupied and if so used for? Air BTB
5. Has the building footprint changed? NO
6. Is the on-site vapor mitigation system working as designed? yes
7. Is a potable well present on site? NO
8. Condition of monitoring wells? good

9. Any sampling or testing performed? Sampling gw

10. Provide any details regarding site conditions and attach photographs as needed.

Same as previous years

Pace Analytical™

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

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

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

Company Name: NYSDEC

Address: 625 Broadway, 12th Floor, Albany, NY 12233

Phone: 518-402-8166

Project Name:

Project Location: Mechanicville, NY

Project Number: 5460644

Project Manager: Brian Jankauskas

Pace Analytical Quote Name/Number

Invoice Recipient:

Sampled By: Brian Jankauskas

Turnaround Time
7-Day ☐ 10-Day ☑
Due Date: Standard

Expedited Turnaround
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: brian.jankauskas@dec.ny.gov
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	14	H	V	# of Containers	[2] Preservation Code	[3] Container Code
	TB 2023	8/1/23	—		—	-	L	2					
	MW-1-2023	8/1/23	1352		X	GW	L	2					
	MW-2 2023	8/1/23	1324		X	GW	L	2					
	MW-3 2023	8/1/23	1317		X	GW	L	2					
	MW-4-2023	8/1/23	1312		X	GW	L	2					
	MW-5-2023	8/1/23	1440		X	GW	L	2					
	DUP-2023	8/1/23	—		X	GW	L	2					
	ER-2023	8/1/23	—	—	—	—	L	-					

ANALYSIS REQUESTED

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: Cat A, EQuIS EDD

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

Relinquished by: (signature)	Date/Time: 8/1/23 1452
Received by: (signature)	Date/Time: 8/1/23 14:52
Relinquished by: (signature)	Date/Time:
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

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

Other:

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

Monitoring Well Sampling Log

Well No.: 1
Project: ~~546044~~ Camarata Cleaners
Date: 8/1/23
Location: Mechanicville, NY

Project No.: 546044
Casing Type: PVC
Screen Length: –
Measuring Point: TOC
Well Diameter: 1"
Well Depth: 9.45
Water Level: 5.40
Water Column: ~~4.05~~
1 Volume (gal.): 0.20

Purge Device: peristaltic pump
Start Purge: 1200
Stop Purge: 1212
Tubing Type: HDPE
Sampling Device: bailer
Sample Time: 1333
Sample Personnel: BFJ
Sample Analyses: VOC

Notes:

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
1200	Start purge									
1203			8	over			64		8.6	
1207			8	over			64		9.45 dry	hit pump flow
1212			8	over			64		"	
1333	Sample								5.5	

Monitoring Well Sampling Log

Well No.: 2
Project:
Date: 8/1/23
Location: Mechanicville, NY

Project No.: 546044
Casing Type: PVC
Screen Length: —
Measuring Point: TOC
Well Diameter: 1"
Well Depth: 10.2ft
Water Level: 5.95ft
Water Column: 4.25
1 Volume (gal.): 0.21

Purge Device: peristaltic pump
Start Purge: 1131
Stop Purge: 1146
Tubing Type: HDPE
Sampling Device: bailer
Sample Time: 1324
Sample Personnel: BFJ
Sample Analyses: VOC
Dup

Notes:

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm) uS/cm	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
1131	start purge									
1134		1	7	440			62		~~5.8~~ BFJ	
1137		2	6.5	515			62		9.6	
1141		3	8	616			62		9.9	
1145		4	8	642			62		9.9	
↓										
1324	sample								6ft	

Monitoring Well Sampling Log

Well No.: 3
Project:

Date: 8/1/23
Location: Mechanicville, NY

Project No.: 546044
Casing Type: PVC
Screen Length: —
Measuring Point: TOC
Well Diameter: 1"
Well Depth: 11.75 ft
Water Level: 6.68 ft
Water Column: 5.07
1 Volume (gal.): 0.25

Purge Device: Peri pump
Start Purge: 11:06
Stop Purge: 11:18
Tubing Type: HDPE
Sampling Device: bailer
Sample Time: 1317
Sample Personnel: BFJ
Sample Analyses: VOC

Notes:
Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft
Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

	Time	Rate	Volume	pH	Conductivity (mS/cm) [m corrected to u: uS/cm]	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
Start purge	11:06										
	11:11			7.0	545			60		9.4	
	11:14			7.0	536			60		9.75	
	11:18			7.0	~~527~~ 527			66		9.8	
	1317	Sample								6.75	

Monitoring Well Sampling Log

Well No.: 4
Project:

Date: 8/1/23
Location: Mechanicville, NY

Project No.: 546044
Casing Type: PVC
Screen Length: —
Measuring Point: TIC
Well Diameter: 1"
Well Depth: 11.05 ft
Water Level: 6.2 ft
Water Column: 4.85
1 Volume (gal.): 0.24

Purge Device: Peri pump
Start Purge: 10:45
Stop Purge: 10:57
Tubing Type: HDPE
Sampling Device: bailer
Sample Time: 1312
Sample Personnel: BFJ
Sample Analyses: VOC

Notes:

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
start purge 10:45										
10:49			7.1	800			62			
10:53			7.0	823			62			
10:56			7.0	803			62		6.45	
1312	sample								6.3	

Monitoring Well Sampling Log

Well No.: 5
Project: Camarota Cleaners
Date: 5/1/23
Location: Mechanicville, NY

Project No.: 546044
Casing Type: PVC
Screen Length: –
Measuring Point: TOC
Well Diameter: 2"
Well Depth: 11.35'
Water Level: 14.07
Water Column: 3.35'
1 Volume (gal.): 0.6

Purge Device: Peri pump
Start Purge: 9:59
Stop Purge: 10:35
Tubing Type: HDPE
Sampling Device: bailer
Sample Time: 1440
Sample Personnel: BFS
Sample Analyses: VOC

Notes: no bailers

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
Start purge 9:59										
10:06			7.6	644			64			
10:12			7.5	766			64		14607 13.7	
10:19			8.0	864			64		14.21 dry	~~Begin~~ low flow
10:33			8.1	870			64			
1440	Sample								11.5ft	

Appendix B

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

August 9, 2023

Brian Jankauskas
NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012

Project Location: Mechanieville, NY
Client Job Number:
Project Number: 546044
Laboratory Work Order Number: 23H0230

Enclosed are results of analyses for samples as received by the laboratory on August 2, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

Table of Contents

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

NYS Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7012
ATTN: Brian Jankauskas

REPORT DATE: 8/9/2023

PURCHASE ORDER NUMBER: 141581

PROJECT NUMBER: 546044

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23H0230

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

PROJECT LOCATION: Mechanieville, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TB-2023	23H0230-01	Ground Water		SW-846 8260D	
MW-1-2023	23H0230-02	Ground Water		SW-846 8260D	
MW-2-2023	23H0230-03	Ground Water		SW-846 8260D	
MW-3-2023	23H0230-04	Ground Water		SW-846 8260D	
MW-4-2023	23H0230-05	Ground Water		SW-846 8260D	
MW-5-2023	23H0230-06	Ground Water		SW-846 8260D	
DUP-2023	23H0230-07	Ground Water		SW-846 8260D	

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

CASE NARRATIVE SUMMARY

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

SW-846 8260D

Qualifications:

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:

Bromoform
23H0230-01[TB-2023], 23H0230-02[MW-1-2023], 23H0230-03[MW-2-2023], 23H0230-04[MW-3-2023], 23H0230-05[MW-4-2023], 23H0230-06[MW-5-2023], 23H0230-07[DUP-2023], B347905-BLK1, B347905-BS1, B347905-BSD1, S091569-CCV1

Naphthalene
23H0230-01[TB-2023], 23H0230-02[MW-1-2023], 23H0230-03[MW-2-2023], 23H0230-04[MW-3-2023], 23H0230-05[MW-4-2023], 23H0230-06[MW-5-2023], 23H0230-07[DUP-2023], B347905-BLK1, B347905-BS1, B347905-BSD1, S091569-CCV1

trans-1,4-Dichloro-2-butene
23H0230-01[TB-2023], 23H0230-02[MW-1-2023], 23H0230-03[MW-2-2023], 23H0230-04[MW-3-2023], 23H0230-05[MW-4-2023], 23H0230-06[MW-5-2023], 23H0230-07[DUP-2023], B347905-BLK1, B347905-BS1, B347905-BSD1, S091569-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:

Bromochloromethane
S091569-CCV1

Bromomethane
S091569-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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

Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: TB-2023 | Sampled: 8/1/2023 00:00

Sample ID: 23H0230-01

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	8/3/23	8/4/23 13:11	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF

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

Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: TB-2023 | Sampled: 8/1/2023 00:00

Sample ID: 23H0230-01

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	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 13:11	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	8/3/23	8/4/23 13:11	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	111	70-130		8/4/23 13:11
Toluene-d8	99.4	70-130		8/4/23 13:11
4-Bromofluorobenzene	82.0	70-130		8/4/23 13:11

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

Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: MW-1-2023 | Sampled: 8/1/2023 13:33

Sample ID: 23H0230-02

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	8/3/23	8/4/23 17:11	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
cis-1,2-Dichloroethylene	14	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF

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

Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: MW-1-2023 | Sampled: 8/1/2023 13:33

Sample ID: 23H0230-02

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	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 17:11	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Tetrachloroethylene	3.9	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Trichloroethylene	3.1	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
Vinyl Chloride	1.3	2.0	0.24	µg/L	1	J	SW-846 8260D	8/3/23	8/4/23 17:11	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:11	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		8/4/23 17:11
Toluene-d8	100	70-130		8/4/23 17:11
4-Bromofluorobenzene	81.1	70-130		8/4/23 17:11

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Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: MW-2-2023 | Sampled: 8/1/2023 13:24

Sample ID: 23H0230-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
cis-1,2-Dichloroethylene	7.4	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
trans-1,2-Dichloroethylene	0.73	1.0	0.17	µg/L	1	J	SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF

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Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: MW-2-2023 | Sampled: 8/1/2023 13:24

Sample ID: 23H0230-03

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	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 17:38	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Tetrachloroethylene	23	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Trichloroethylene	6.5	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
Vinyl Chloride	1.1	2.0	0.24	µg/L	1	J	SW-846 8260D	8/3/23	8/4/23 17:38	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	8/3/23	8/4/23 17:38	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	110	70-130		8/4/23 17:38
Toluene-d8	101	70-130		8/4/23 17:38
4-Bromofluorobenzene	81.5	70-130		8/4/23 17:38

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

Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: MW-3-2023 | Sampled: 8/1/2023 13:17

Sample ID: 23H0230-04

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	8/3/23	8/4/23 18:05	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
cis-1,2-Dichloroethylene	4.8	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF

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

Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: MW-3-2023 | Sampled: 8/1/2023 13:17

Sample ID: 23H0230-04

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	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 18:05	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Tetrachloroethylene	6.1	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Trichloroethylene	1.2	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
Vinyl Chloride	0.88	2.0	0.24	µg/L	1	J	SW-846 8260D	8/3/23	8/4/23 18:05	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	111	70-130		8/4/23 18:05
Toluene-d8	99.6	70-130		8/4/23 18:05
4-Bromofluorobenzene	82.4	70-130		8/4/23 18:05

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

Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: MW-4-2023 | Sampled: 8/1/2023 13:12

Sample ID: 23H0230-05

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	ND	50	2.0	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
cis-1,2-Dichloroethylene	4.4	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF

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

Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: MW-4-2023 | Sampled: 8/1/2023 13:12

Sample ID: 23H0230-05

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	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 18:31	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Tetrachloroethylene	2.6	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Trichloroethylene	1.2	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
Vinyl Chloride	3.6	2.0	0.24	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	114	70-130		8/4/23 18:31
Toluene-d8	101	70-130		8/4/23 18:31
4-Bromofluorobenzene	84.0	70-130		8/4/23 18:31

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

Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: MW-5-2023 | Sampled: 8/1/2023 14:40

Sample ID: 23H0230-06

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	8/3/23	8/4/23 18:58	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Chloroform	0.40	2.0	0.14	µg/L	1	J	SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF

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

Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: MW-5-2023 | Sampled: 8/1/2023 14:40

Sample ID: 23H0230-06

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	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 18:58	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Tetrachloroethylene	1.1	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	8/3/23	8/4/23 18:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	114	70-130		8/4/23 18:58
Toluene-d8	98.9	70-130		8/4/23 18:58
4-Bromofluorobenzene	78.0	70-130		8/4/23 18:58

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Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: DUP-2023 | Sampled: 8/1/2023 00:00

Sample ID: 23H0230-07

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	8/3/23	8/4/23 19:24	MFF
Acrylonitrile	ND	5.0	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Bromoform	ND	1.0	0.41	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
tert-Butyl Alcohol (TBA)	ND	20	4.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
2-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
4-Chlorotoluene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Dibromomethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	1.5	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
cis-1,2-Dichloroethylene	8.2	1.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
trans-1,2-Dichloroethylene	0.96	1.0	0.17	µg/L	1	J	SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,3-Dichloropropane	ND	0.50	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
2,2-Dichloropropane	ND	1.0	0.35	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Diethyl Ether	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF

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Project Location: Mechanieville, NY | Sample Description: | Work Order: 23H0230

Date Received: 8/2/2023

Field Sample #: DUP-2023 | Sampled: 8/1/2023 00:00

Sample ID: 23H0230-07

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	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Hexachlorobutadiene	ND	0.60	0.47	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Naphthalene	ND	2.0	0.38	µg/L	1	V-05	SW-846 8260D	8/3/23	8/4/23 19:24	MFF
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Tetrachloroethylene	27	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Trichloroethylene	7.8	1.0	0.17	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
Vinyl Chloride	1.4	2.0	0.24	µg/L	1	J	SW-846 8260D	8/3/23	8/4/23 19:24	MFF
m+p Xylene	ND	2.0	0.49	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF
o-Xylene	ND	1.0	0.24	µg/L	1		SW-846 8260D	8/3/23	8/4/23 19:24	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	112	70-130		8/4/23 19:24
Toluene-d8	100	70-130		8/4/23 19:24
4-Bromofluorobenzene	78.6	70-130		8/4/23 19:24

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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
23H0230-01 [TB-2023]	B347905	5	5.00	08/03/23
23H0230-02 [MW-1-2023]	B347905	5	5.00	08/03/23
23H0230-03 [MW-2-2023]	B347905	5	5.00	08/03/23
23H0230-04 [MW-3-2023]	B347905	5	5.00	08/03/23
23H0230-05 [MW-4-2023]	B347905	5	5.00	08/03/23
23H0230-06 [MW-5-2023]	B347905	5	5.00	08/03/23
23H0230-07 [DUP-2023]	B347905	5	5.00	08/03/23

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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 B347905 - SW-846 5030B										
Blank (B347905-BLK1)				Prepared: 08/03/23 Analyzed: 08/04/23						
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							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							V-05
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B347905 - SW-846 5030B											
Blank (B347905-BLK1)				Prepared: 08/03/23 Analyzed: 08/04/23							
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								
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	*26.5*		µg/L	25.0		106	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*21.0*		µg/L	25.0		83.8	70-130				
LCS (B347905-BS1)				Prepared: 08/03/23 Analyzed: 08/04/23							
Acetone	107	50	µg/L	100		107	70-160				†
Acrylonitrile	9.43	5.0	µg/L	10.0		94.3	70-130				
tert-Amyl Methyl Ether (TAME)	8.85	0.50	µg/L	10.0		88.5	70-130				
Benzene	11.0	1.0	µg/L	10.0		110	70-130				
Bromobenzene	9.68	1.0	µg/L	10.0		96.8	70-130				
Bromochloromethane	12.5	1.0	µg/L	10.0		125	70-130				
Bromodichloromethane	10.0	0.50	µg/L	10.0		100	70-130				
Bromoform	7.78	1.0	µg/L	10.0		77.8	70-130			V-05	
Bromomethane	14.1	2.0	µg/L	10.0		141	40-160				†
2-Butanone (MEK)	116	20	µg/L	100		116	40-160				†
tert-Butyl Alcohol (TBA)	79.0	20	µg/L	100		79.0	40-160				†
n-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
sec-Butylbenzene	9.57	1.0	µg/L	10.0		95.7	70-130				
tert-Butylbenzene	9.10	1.0	µg/L	10.0		91.0	70-130				
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.0		101	70-130				
Carbon Disulfide	104	5.0	µg/L	100		104	70-130				
Carbon Tetrachloride	8.45	5.0	µg/L	10.0		84.5	70-130				
Chlorobenzene	9.73	1.0	µg/L	10.0		97.3	70-130				
Chlorodibromomethane	9.43	0.50	µg/L	10.0		94.3	70-130				
Chloroethane	10.3	2.0	µg/L	10.0		103	70-130				
Chloroform	10.4	2.0	µg/L	10.0		104	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B347905 - SW-846 5030B											
LCS (B347905-BS1)				Prepared: 08/03/23 Analyzed: 08/04/23							
Chloromethane	10.2	2.0	µg/L	10.0		102	40-160				†
2-Chlorotoluene	9.50	1.0	µg/L	10.0		95.0	70-130				
4-Chlorotoluene	9.25	1.0	µg/L	10.0		92.5	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.75	5.0	µg/L	10.0		87.5	70-130				
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130				
Dibromomethane	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
trans-1,4-Dichloro-2-butene	7.43	2.0	µg/L	10.0		74.3	70-130			V-05	
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109	40-160				†
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130				
1,2-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130				
1,1-Dichloroethylene	9.91	1.0	µg/L	10.0		99.1	70-130				
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130				
trans-1,2-Dichloroethylene	9.93	1.0	µg/L	10.0		99.3	70-130				
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130				
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130				
2,2-Dichloropropane	9.47	1.0	µg/L	10.0		94.7	40-130				†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130				
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130				
Diethyl Ether	10.2	2.0	µg/L	10.0		102	70-130				
Diisopropyl Ether (DIPE)	11.3	0.50	µg/L	10.0		113	70-130				
1,4-Dioxane	86.1	50	µg/L	100		86.1	40-130				†
Ethylbenzene	9.73	1.0	µg/L	10.0		97.3	70-130				
Hexachlorobutadiene	10.8	0.60	µg/L	10.0		108	70-130				
2-Hexanone (MBK)	100	10	µg/L	100		100	70-160				†
Isopropylbenzene (Cumene)	8.99	1.0	µg/L	10.0		89.9	70-130				
p-Isopropyltoluene (p-Cymene)	9.70	1.0	µg/L	10.0		97.0	70-130				
Methyl Acetate	9.05	1.0	µg/L	10.0		90.5	70-130				
Methyl tert-Butyl Ether (MTBE)	9.77	1.0	µg/L	10.0		97.7	70-130				
Methyl Cyclohexane	10.3	1.0	µg/L	10.0		103	70-130				
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130				
4-Methyl-2-pentanone (MIBK)	97.6	10	µg/L	100		97.6	70-160				†
Naphthalene	6.86	2.0	µg/L	10.0		68.6	40-130			V-05	†
n-Propylbenzene	9.37	1.0	µg/L	10.0		93.7	70-130				
Styrene	8.88	1.0	µg/L	10.0		88.8	70-130				
1,1,1,2-Tetrachloroethane	9.65	1.0	µg/L	10.0		96.5	70-130				
1,1,2,2-Tetrachloroethane	9.34	0.50	µg/L	10.0		93.4	70-130				
Tetrachloroethylene	9.84	1.0	µg/L	10.0		98.4	70-130				
Tetrahydrofuran	9.81	10	µg/L	10.0		98.1	70-130			J	
Toluene	10.5	1.0	µg/L	10.0		105	70-130				
1,2,3-Trichlorobenzene	8.39	5.0	µg/L	10.0		83.9	70-130				
1,2,4-Trichlorobenzene	8.00	1.0	µg/L	10.0		80.0	70-130				
1,3,5-Trichlorobenzene	9.73	1.0	µg/L	10.0		97.3	70-130				
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130				
1,1,2-Trichloroethane	10.0	1.0	µg/L	10.0		100	70-130				
Trichloroethylene	10.3	1.0	µg/L	10.0		103	70-130				
Trichlorofluoromethane (Freon 11)	10.0	2.0	µg/L	10.0		100	70-130				
1,2,3-Trichloropropane	11.2	2.0	µg/L	10.0		112	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B347905 - SW-846 5030B											
LCS (B347905-BS1)				Prepared: 08/03/23 Analyzed: 08/04/23							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130				
1,2,4-Trimethylbenzene	9.74	1.0	µg/L	10.0		97.4	70-130				
1,3,5-Trimethylbenzene	9.13	1.0	µg/L	10.0		91.3	70-130				
Vinyl Chloride	11.6	2.0	µg/L	10.0		116	40-160				†
m+p Xylene	18.9	2.0	µg/L	20.0		94.6	70-130				
o-Xylene	8.99	1.0	µg/L	10.0		89.9	70-130				
Surrogate: 1,2-Dichloroethane-d4	*25.7*		µg/L	25.0		103	70-130				
Surrogate: Toluene-d8	*25.9*		µg/L	25.0		104	70-130				
Surrogate: 4-Bromofluorobenzene	*22.4*		µg/L	25.0		89.8	70-130				
LCS Dup (B347905-BSD1)				Prepared: 08/03/23 Analyzed: 08/04/23							
Acetone	104	50	µg/L	100		104	70-160	2.11	25		†
Acrylonitrile	10.5	5.0	µg/L	10.0		105	70-130	10.5	25		
tert-Amyl Methyl Ether (TAME)	8.93	0.50	µg/L	10.0		89.3	70-130	0.900	25		
Benzene	11.3	1.0	µg/L	10.0		113	70-130	3.32	25		
Bromobenzene	9.73	1.0	µg/L	10.0		97.3	70-130	0.515	25		
Bromochloromethane	12.8	1.0	µg/L	10.0		128	70-130	2.45	25		
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	2.17	25		
Bromoform	7.52	1.0	µg/L	10.0		75.2	70-130	3.40	25	V-05	
Bromomethane	14.2	2.0	µg/L	10.0		142	40-160	0.564	25		†
2-Butanone (MEK)	113	20	µg/L	100		113	40-160	2.10	25		†
tert-Butyl Alcohol (TBA)	79.3	20	µg/L	100		79.3	40-160	0.430	25		†
n-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130	3.94	25		
sec-Butylbenzene	9.81	1.0	µg/L	10.0		98.1	70-130	2.48	25		
tert-Butylbenzene	9.44	1.0	µg/L	10.0		94.4	70-130	3.67	25		
tert-Butyl Ethyl Ether (TBEE)	9.81	0.50	µg/L	10.0		98.1	70-130	2.71	25		
Carbon Disulfide	107	5.0	µg/L	100		107	70-130	3.00	25		
Carbon Tetrachloride	8.74	5.0	µg/L	10.0		87.4	70-130	3.37	25		
Chlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	3.34	25		
Chlorodibromomethane	9.37	0.50	µg/L	10.0		93.7	70-130	0.638	25		
Chloroethane	10.7	2.0	µg/L	10.0		107	70-130	3.52	25		
Chloroform	11.1	2.0	µg/L	10.0		111	70-130	6.60	25		
Chloromethane	10.8	2.0	µg/L	10.0		108	40-160	4.85	25		†
2-Chlorotoluene	9.79	1.0	µg/L	10.0		97.9	70-130	3.01	25		
4-Chlorotoluene	9.15	1.0	µg/L	10.0		91.5	70-130	1.09	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.06	5.0	µg/L	10.0		80.6	70-130	8.21	25		
1,2-Dibromoethane (EDB)	9.69	0.50	µg/L	10.0		96.9	70-130	5.52	25		
Dibromomethane	10.6	1.0	µg/L	10.0		106	70-130	3.16	25		
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.10	25		
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.755	25		
1,4-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	4.30	25		
trans-1,4-Dichloro-2-butene	7.58	2.0	µg/L	10.0		75.8	70-130	2.00	25	V-05	
Dichlorodifluoromethane (Freon 12)	11.5	2.0	µg/L	10.0		115	40-160	5.43	25		†
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130	0.270	25		
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	1.09	25		
1,1-Dichloroethylene	10.5	1.0	µg/L	10.0		105	70-130	5.88	25		
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.188	25		
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	3.95	25		
1,2-Dichloropropane	11.1	1.0	µg/L	10.0		111	70-130	2.36	25		
1,3-Dichloropropane	10.2	0.50	µg/L	10.0		102	70-130	0.195	25		
2,2-Dichloropropane	9.92	1.0	µg/L	10.0		99.2	40-130	4.64	25		†
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108	70-130	4.17	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 B347905 - SW-846 5030B											
LCS Dup (B347905-BSD1)				Prepared: 08/03/23 Analyzed: 08/04/23							
cis-1,3-Dichloropropene	9.79	0.50	µg/L	10.0		97.9	70-130	3.51	25		
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130	2.35	25		
Diethyl Ether	10.7	2.0	µg/L	10.0		107	70-130	5.07	25		
Diisopropyl Ether (DIPE)	11.6	0.50	µg/L	10.0		116	70-130	2.88	25		
1,4-Dioxane	80.1	50	µg/L	100		80.1	40-130	7.15	50		† ‡
Ethylbenzene	9.80	1.0	µg/L	10.0		98.0	70-130	0.717	25		
Hexachlorobutadiene	11.8	0.60	µg/L	10.0		118	70-130	8.59	25		
2-Hexanone (MBK)	92.6	10	µg/L	100		92.6	70-160	7.80	25		†
Isopropylbenzene (Cumene)	8.83	1.0	µg/L	10.0		88.3	70-130	1.80	25		
p-Isopropyltoluene (p-Cymene)	9.70	1.0	µg/L	10.0		97.0	70-130	0.00	25		
Methyl Acetate	9.34	1.0	µg/L	10.0		93.4	70-130	3.15	25		
Methyl tert-Butyl Ether (MTBE)	9.76	1.0	µg/L	10.0		97.6	70-130	0.102	25		
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104	70-130	0.964	25		
Methylene Chloride	10.8	5.0	µg/L	10.0		108	70-130	3.68	25		
4-Methyl-2-pentanone (MIBK)	95.0	10	µg/L	100		95.0	70-160	2.71	25		†
Naphthalene	6.81	2.0	µg/L	10.0		68.1	40-130	0.732	25	V-05	†
n-Propylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130	0.638	25		
Styrene	9.11	1.0	µg/L	10.0		91.1	70-130	2.56	25		
1,1,1,2-Tetrachloroethane	9.87	1.0	µg/L	10.0		98.7	70-130	2.25	25		
1,1,2,2-Tetrachloroethane	9.32	0.50	µg/L	10.0		93.2	70-130	0.214	25		
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100	70-130	2.11	25		
Tetrahydrofuran	10.2	10	µg/L	10.0		102	70-130	4.09	25		
Toluene	10.5	1.0	µg/L	10.0		105	70-130	0.286	25		
1,2,3-Trichlorobenzene	8.21	5.0	µg/L	10.0		82.1	70-130	2.17	25		
1,2,4-Trichlorobenzene	8.31	1.0	µg/L	10.0		83.1	70-130	3.80	25		
1,3,5-Trichlorobenzene	9.81	1.0	µg/L	10.0		98.1	70-130	0.819	25		
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	2.02	25		
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102	70-130	2.27	25		
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.387	25		
Trichlorofluoromethane (Freon 11)	10.5	2.0	µg/L	10.0		105	70-130	4.49	25		
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.0		114	70-130	1.85	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106	70-130	0.666	25		
1,2,4-Trimethylbenzene	9.87	1.0	µg/L	10.0		98.7	70-130	1.33	25		
1,3,5-Trimethylbenzene	9.21	1.0	µg/L	10.0		92.1	70-130	0.872	25		
Vinyl Chloride	12.0	2.0	µg/L	10.0		120	40-160	3.65	25		†
m+p Xylene	19.2	2.0	µg/L	20.0		96.0	70-130	1.42	25		
o-Xylene	9.32	1.0	µg/L	10.0		93.2	70-130	3.60	25		
Surrogate: 1,2-Dichloroethane-d4	*25.5*		µg/L	25.0		102	70-130				
Surrogate: Toluene-d8	*25.6*		µg/L	25.0		103	70-130				
Surrogate: 4-Bromofluorobenzene	*21.9*		µg/L	25.0		87.5	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).
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

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Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page _____ of _____

RM

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

Company Name:	NYSDEC
Address:	625 Broadway, 12th Floor Albany NY 12233
Phone:	518-402-9626
Project Name:	
Project Location:	Mechanicville, NY
Project Number:	546044
Project Manager:	Brian Jankauskas
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	Brian Jankauskas

Requested Turnaround Time

7-Day ☐ 10-Day ☒
Due Date: Standard

Rush-Approval Required

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery

Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To: brian.jankauskas@dec.ny.gov
Fax To #:

# of Containers	14
² Preservation Code	H
³ Container Code	V

ANALYSIS REQUESTED: VOC 8260

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	¹Matrix Code	Conc Code	VOC 8260
1	TB-2023	8/1/23	—		—	–	L	2
2	MW-1-2023	8/1/23	1332		X	GW	L	2
3	MW-2-2023	8/1/23	1324		X	GW	L	2
4	MW-3-2023	8/1/23	1317		X	GW	L	2
5	MW-4-2023	8/1/23	1312		X	GW	L	2
6	MW-5-2023	8/1/23	1440		X	GW	L	2
7	DUP-2023	8/1/23	—		X	GW	L	2
~~8~~	~~ER-2023~~	~~8/1/23~~			~~—~~	~~—~~	~~L~~	BFJ

BFJ

Comments: Cat A, NYS EDD

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

Relinquished by: (signature)	Date/Time:
[signature]	8/1/23 1452
Received by: (signature) [signature]	Date/Time: 8/1/23 1452
Relinquished by: (signature) [signature] 2.0	Date/Time: 8/2/23 746
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:

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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*

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)

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client NYSDEC

Project N/A

MCP/RCP Required N/A

Deliverable Package Requirement CAT A

Location Mechanicville, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time LA 8/21/23 746

Back-Sheet By / Date / Time LA 8/21/23 802

Temperature Method Gun # 5

Temp ✓ < 6° C Actual Temperature 3.0

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

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

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☑	☐
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☐ IDs ☐ Collection Date/Time ☑

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample			
16oz Amb/Clear	Soils Jars (Circle Amb/Clear)		
8oz Amb/Clear			
4oz Amb/Clear			
2oz Amb/Clear			
Unpreserved	Ambers	1 Liter	
HCL			
Sulfuric			
Sulfuric		250mL	
Phosphoric			
HCl			
Unpreserved		100mL	
Unpreserved	Plastics	1 Liter	
Sulfuric			
Unpreserved		500mL	
Sulfuric			
Unpreserved		250mL	
Trizma			
Sulfuric			
Nitric			
NaOH			
Ammonium Acetate			
NaOH/Zinc			
Unpreserved	VOA Vials		
HCl			
MeOH			
D.I. Water			
BiSulfate			
Col/Bact	Other / Fill in		

Qualtrax ID: 120836

Appendix C

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

3/28/2023

John Starr
Starrbuilt Custom Homes, LLC
PO Box 391
Mechanicville, NY 12118
starrbuilt@gmail.com

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Camarota Cleaners
Site No.: 546044
Site Address: 325-327 Park Ave
Mechanicville, NY 12118

Dear John Starr:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **June 01, 2023**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Brian Jankauskas, the Project Manager, at 518-402-9626 or brian.jankauskas@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURA
625 Broadway

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

Starrbuilt Custom Homes, LLC - starrbuilt@gmail.com

ec: w/ enclosures

Brian Jankauskas, Project Manager

John Swartwout, Section Chief
Brian Huyck, Hazardous Waste Remediation Supervisor, Region 5

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 546044

Site Name Camarota Cleaners

Site Address: 325-327 Park Ave Zip Code: 12118
City/Town: Mechanicville
County: Saratoga
Site Acreage: 0.110

Reporting Period: May 02, 2022 to May 02, 2023

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

Box 2

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

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 546044 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
262.61-4-1	Starrbuilt Custom Homes, LLC	Ground Water Use Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

- Imposition of an institutional control in the form of an environmental easement for the controlled property that:
(a) requires periodic certification of institutional and engineering controls;
(b) land use is subject to local zoning laws, the remedy allows the use and development of the controlled property for residential use;
(c) restricts the use of groundwater;
(d) maintaining site access controls and Department notification; and
(e) requires compliance with the Department approved Site Management Plan, Institutional and Engineering Control Plan, and Groundwater Monitoring Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
262.61-4-1	Vapor Mitigation

- NYSDEC conduct groundwater sampling.
- Owner Operation and NYSDEC maintenance of the sub-slab depressurization system.

Box 5

Periodic Review Report (PRR) Certification Statements

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

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

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

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

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

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

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 546044

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Joseph Starr at Revenue 10x, llc,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ 7/14/23
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Qualified Environmental Professional for the _____
(Owner or Remedial Party)

_____	_____	_____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.