

August 15, 2025

Mr. Payson Long
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, New York 12233-7012

RE: Groundwater Sampling Summary Report – August 2025
Vestal Water Supply Site 1-1
20 Stage Rd, Vestal, New York
LaBella Project No. 2234026.145
NYSDEC Site Number: 7-04-009A

Dear Mr. Long,

This Groundwater Sampling Summary Report has been prepared by LaBella Associates, DPC (LaBella) at the request of the New York State Department of Environmental Conservation (NYSDEC) to document recent groundwater sampling activities and associated laboratory analytical results from the property located at 20 Stage Rd, Vestal, New York, hereinafter referred to as the “Site”.

SCOPE OF WORK

The following scope of work was completed by LaBella at the Site at the request of the NYSDCE:

On June 24 to June 27, 2025, a LaBella Qualified Environmental Professionals (QEPs) mobilized to the Site to collect groundwater samples for analysis of volatile organic compounds (VOCs) from groundwater monitoring wells: 4009-7, 4009-8, 4009-9, 4009-11, 4009-12, 4009-13, 4009-14, 4009-15, 4009-16, 4009-16A, 4009-18, 4009-19, 4009-21, 4009-22, 4009-27S, 4009-27I, 4009-27D, 4009-28, 4009-29S, 4009-29I, 4009-29D, and 4009-30. Refer to **Figure 1** for well locations).

Groundwater elevations were measured from the top of well casing at each monitoring well using an oil/water interface meter. Refer to **Table 1** for the elevation of the wells, groundwater measurements, and groundwater elevations levels. NAPL was not identified in any of monitoring wells during this sampling event.

Groundwater samples were collected from passive diffusion bags (PDBs) previously deployed by others. Use of PDBs eliminate the need for purging the well before retrieving the sample device/collecting the groundwater sample. Each groundwater sample was transferred from the PDB to laboratory provided bottle ware (40 ml VOA vials), labeled, placed in a cooler with ice and submitted under chain of custody to Con-test (A Pace Analytical Laboratory), 39 Spruce Street, East Longmeadow, Massachusetts. Samples were submitted for laboratory analysis for TCL VOCs (EPA method 8260 per Table 7 of the SMP).



GROUNDWATER SAMPLE RESULTS

The following is a summary of VOCs that were detected in the groundwater samples exceeding applicable NYCRR Part 703 Groundwater Quality Standards (see Table 1 for full sample list with all analytical results):

- Benzene was detected above standard of 1 ug/L at 4009-11 (1.5 ug/L), 4009-14 (1.1 ug/L), 4009-22 and DUP-01 (1.3 ug/L and 1.2 ug/L respectively), and 4009-30 (1.9 ug/L).
- Chloroethane was detected above standard of 5 ug/L at 4009-11 (15 ug/L), 4009-18 (7.3 ug/L), and 40009-29D (28 ug/L)
- 1,1-Dichlorethane was detected above standard of 5 ug/L at 4009-8 (33 ug/L), 4009-11 (19 ug/L), 4009-18 (97 ug/L), 4009-26 (5.6 ug/L), 4009-27S (5.3 ug/L), 4009-29I and DUP - 02 (50 ug/L and 52 ug/L respectively), and 4009-29D (47 ug/L).
- 1,1Dichlorethene was detected above standard of 5 ug/L at 4009-8 (28 ug/L), 4009-18 (49 ug/L), 4009-27S (7.7 ug/L) and 4009-29I and DUP-02 (both at 21 ug/L).
- Cis-1,2-Dichloroethene was detected above standard of 5 ug/L at 4009-7 (12 ug/L) 4009-8 (240 ug/L), 4009-9 (30 ug/L), 4009-11 (10 ug/L), 4009-18 (350 ug/L), 4009-26 (18 ug/L), 4009-27S (31 ug/L), and 4009-29I and DUP-02 (32 ug/L and 34 ug/L respectively).
- 1,1,1-Trichloroethane (TCA) was detected above standard of 5 ug/L at 4009-8 (560 ug/L), 4009-18 (940 ug/L), 4009-26 (20 ug/L), 4009-27S (110 ug/L), and 4009-29I and DUP-02 (110 ug/L and 120 ug/L respectively).
- Trichloroethene (TCE) was detected above standard of 5 ug/L at 4009-8 (280 ug/L) 4009-18 (5.1 ug/L), 4009-26 (6.8 ug/L), 4009-27S (23 ug/L), and 4009-29I and DUP-02 (7.5 ug/L and 7.3 ug/L respectively).
- 1,1,2-Trichloro-1,2,2-Trifluoroethane, was detected above standard of 5 ug/L at 4009-18 (7.9 ug/L)
- Vinyl Chloride (VC) was detected above standard of 2 ug/L at 4009- 7 (12 ug/L), 4009- 8 (5.6 ug/L), 4009-11 (14 ug/L) 4009-18 (310 ug/L), 4009-29I and DUP-02 (33 ug/L and 32 ug/L respectively), and 4009-29D (16 ug/L).
- Monitoring wells 4009-8 and 4009-18 had the highest total VOCs at 1,091.6 and 1,767.5 ug/L, respectively.
- Monitoring wells 4009-12, -13, -15, -16, -16A, -19, -21, -27I, -27D, -28 and -29S did not have any detections above groundwater quality standards.

Refer to **Table 2** for the analytical results of groundwater samples collected between June 24th and June 27th 2025.



We appreciate the opportunity to serve your professional environmental engineering needs and look forward to working with you on this and future projects. If you have any questions, please do not hesitate to contact me at (808)342-5271 or at mroberts@labellapc.com.

Respectfully submitted,

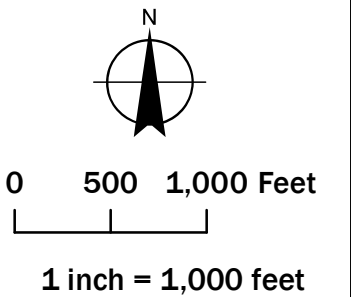
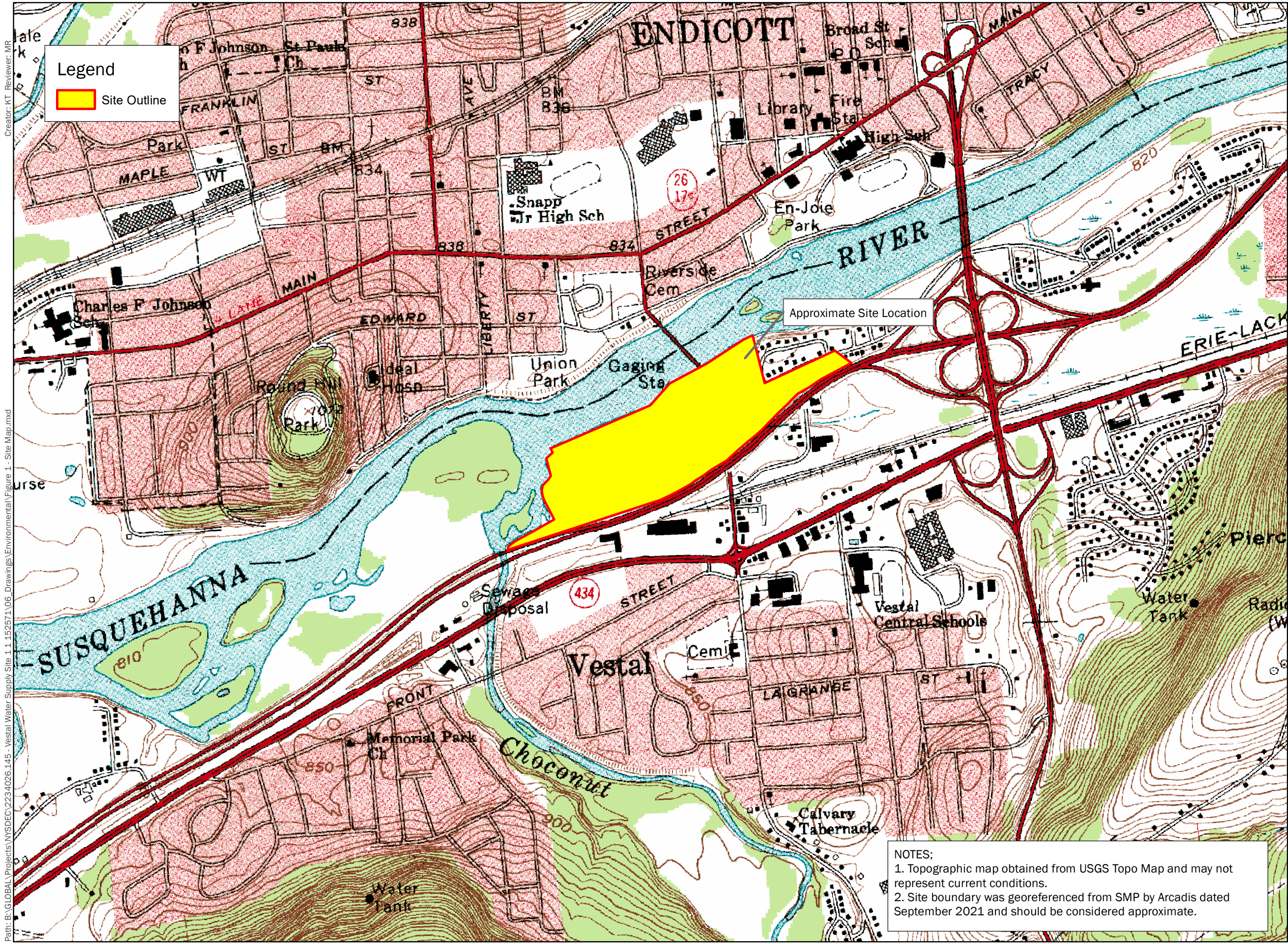
LABELLA ASSOCIATES, D.P.C.

Mark Roberts
Sr Project Manager

Attachment:

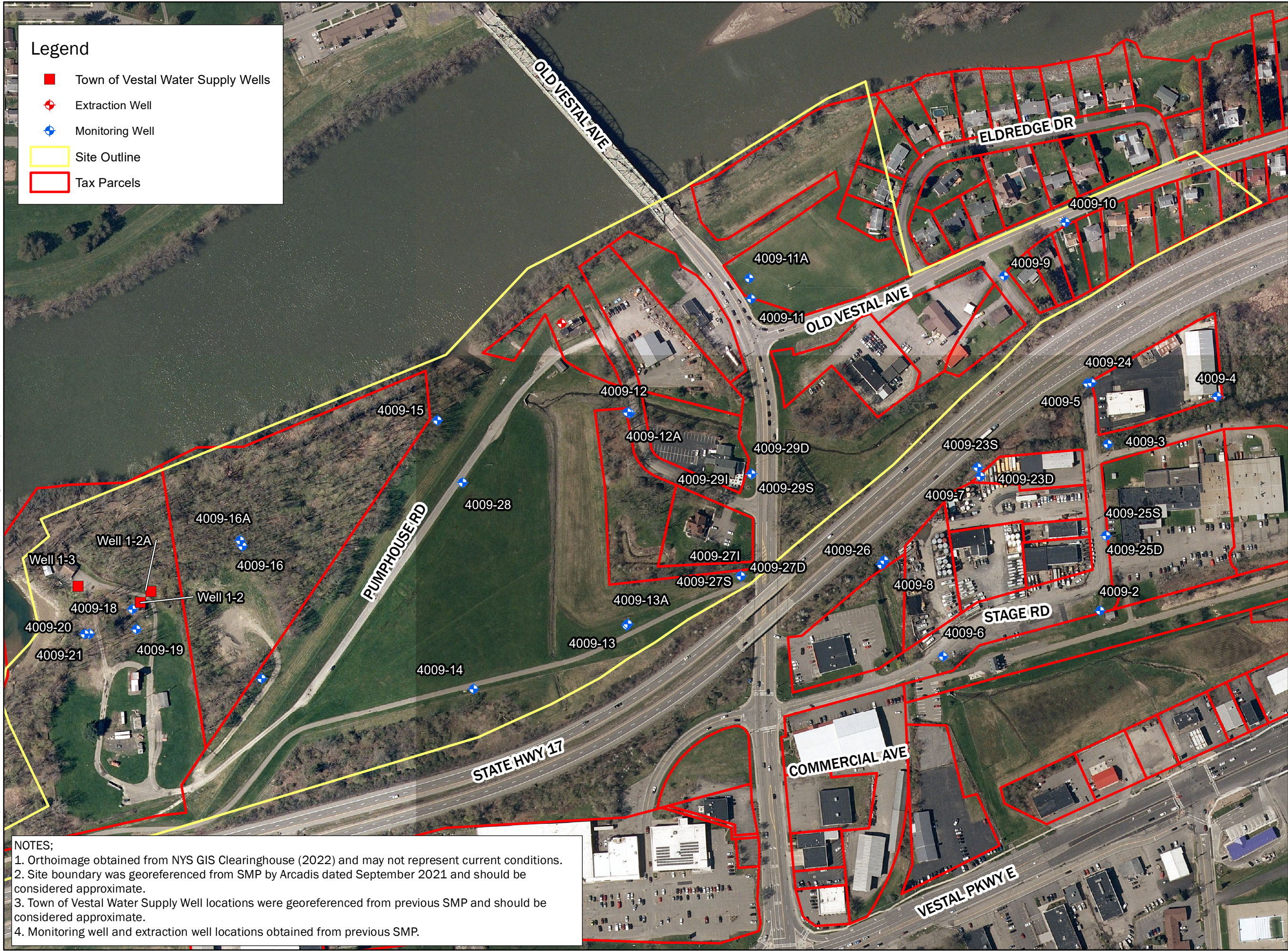
- Figures
- Tables
- Laboratory Report

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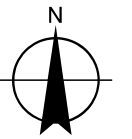
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Path: B:\GLOBAL\Projects\NYSDEC\2234026.145 - Vestal Water Supply Site 1.1.152571\06_Drawings\Environmental\Figure 2 - Site Layout Map.mxd



NYSDEC

Vestal Water Supply Site
7-04-009A
Vestal, New York



0 100 200 Feet

1 inch = 250 feet

LaBella Project No:
2234026.145

Date: 8/8/2025

11" x 17"

Site Layout Map

FIGURE 2

Table 1	Groundwater Elevations - June 2025
Project Name	Vestal Water Supply Site, Vestal, NY
Site Name	Vestal Water Supply Site 1-1 (Site No. 7-04-009A)
LaBella Project No.	2234026.15

Well I.D.	Monitoring Well Elevation* (ft AMSL)	Depth to Water (BTOC)	Date Measured	Groundwater Elevation
4009-7	824.27	15.29	6/26/2025	808.98
4009-8	824.52	15.52	6/25/2025	809.00
4009-9	825.05	15.90	6/25/2025	809.15
4009-11	830.06	21.68	6/25/2025	808.38
4009-12	823.34	14.09	6/25/2025	809.25
4009-13	816.28	6.33	6/25/2025	809.95
4009-14	820.71	11.93	6/25/2025	808.78
4009-15	826.54	15.86	6/24/2025	810.68
4009-16	826.72	16.40	6/24/2025	810.32
4009-16A	826.84	16.23	6/24/2025	810.61
4009-18	834.78	27.41	6/26/2025	807.37
4009-19	824.94	17.58	6/26/2025	807.36
4009-21	825.02	18.21	6/26/2025	806.81
4009-22	817.40	8.42	6/24/2025	808.98
4009-26	824.31	15.26	6/25/2025	809.05
4009-27S	826.19	17.00	6/25/2025	809.19
4009-27I	826.03	16.87	6/25/2025	809.16
4009-27D	825.87	16.71	6/25/2025	809.16
4009-28	821.59	10.88	6/24/2025	810.71
4009-29S	825.77	16.54	6/25/2025	809.23
4009-29I	825.68	16.45	6/25/2025	809.23
4009-29D	825.67	8.49	6/25/2025	817.18
4009-30	827.50	17.13	6/24/2025	810.37

* Top of Casing (riser pipe)

BTOC - below top of casing

Table 2

Project Name

Site Name

LaBella Project No.

VOCs in Groundwater Samples

Vestal Water Supply Site, Vestal, NY

Vestal Water Supply Site 1-1 (Site No. 7-04-009A)

2234026.15



SAMPLE ID:	CAS	NYCRR Part 703 Groundwater Quality Standards	4009-7-20250626		4009-8-20250625		4009-9-20250625		4009-11-20250625		4009-12-20250625		4009-13-20250625
LAB ID:			25F2156-06		25F2156-07		25F2156-09		25F2156-10		25F2156-21		25F2156-22
SAMPLE DATE:			6/26/2025		6/25/2025		6/25/2025		6/25/2025		6/25/2025		6/27/2025
SAMPLE DEPTH (FT BGS):													
SAMPLE MATRIX:			Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater
ANALYTE		(ug/l)	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc
Volatile Organic Compounds													
Acetone	67-64-1	50	18	J	<9.6	U	17	J	20	J	11	J	8.6
Benzene	71-43-2	1	0.3	J	<0.94	U	<0.19	U	1.5		<0.19	U	0.22
Bromochloromethane	74-97-5		<0.34	U	<1.7	U	<0.34	U	<0.34	U	<0.34	U	<0.34
Bromodichloromethane	75-27-4	50	<0.14	U	<0.69	U	<0.14	U	<0.14	U	<0.14	U	<0.14
Bromoform	75-25-2	50	<0.32	U	<1.6	U	<0.32	U	<0.32	U	<0.32	U	<0.32
Bromomethane	74-83-9	5	<0.91	U	<4.6	U	<0.91	U	<0.91	U	<0.91	U	<0.91
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	<1.5	U	<7.3	U	<1.5	U	<1.5	U	<1.5	U	<1.5
N-Butylbenzene	104-51-8	5	<0.14	U	<0.72	U	<0.14	U	<0.14	U	<0.14	U	<0.14
sec-Butylbenzene	135-98-8	5	<0.14	U	<0.71	U	<0.14	U	<0.14	U	<0.14	U	<0.14
tert-Butylbenzene	98-06-6	5	0.29	J	<0.67	U	<0.13	U	<0.13	U	<0.13	U	<0.13
Carbon Disulfide	75-15-0	60	<1.6	U	<7.8	U	<1.6	U	<1.6	U	<1.6	U	<1.6
Carbon Tetrachloride	56-23-5	5	<0.18	U	<0.88	U	<0.18	U	<0.18	U	<0.18	U	<0.18
Chlorobenzene	108-90-7	5	<0.12	U	<0.58	U	<0.12	U	<0.12	U	<0.12	U	<0.12
Dibromochloromethane	124-48-1	50	<0.12	U	<0.61	U	<0.12	U	<0.12	U	<0.12	U	<0.12
Chloroethane	75-00-3	5	<0.43	U	<2.2	U	<0.43	U	15		<0.43	U	<0.43
Chloroform	67-66-3	7	<0.14	U	<0.69	U	0.64	J	<0.14	U	<0.14	U	<0.14
Chloromethane (Methyl Chloride)	74-87-3		<0.39	U	<1.9	U	<0.39	U	<0.39	U	<0.39	U	<0.39
Cyclohexane	110-82-7		<1.3	U	<6.5	U	<1.3	U	<1.3	U	<1.3	U	<1.3
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	<0.62	U	<3.1	U	<0.62	U	<0.62	U	<0.62	U	<0.62
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	<0.12	U	<0.61	U	<0.12	U	<0.12	U	<0.12	U	<0.12
1,2-Dichlorobenzene	95-50-1	3	<0.13	U	<0.65	U	<0.13	U	<0.13	U	<0.13	U	<0.13
1,3-Dichlorobenzene	541-73-1	3	<0.14	U	<0.68	U	<0.14	U	<0.14	U	<0.14	U	<0.14
1,4-Dichlorobenzene	106-46-7	3	<0.14	U	<0.7	U	<0.14	U	<0.14	U	<0.14	U	<0.14
Dichlorodifluoromethane	75-71-8	5	<0.23	U	<1.1	U	<0.23	U	<0.23	U	<0.23	U	<0.23
1,1-Dichloroethane	75-34-3	5	0.6	J	33	D	0.2	J	19		0.62	J	<0.19
1,2-Dichloroethane	107-06-2	0.6	<0.28	U	<1.4	U	<0.28	U	<0.28	U	<0.28	U	<0.28
1,1-Dichloroethene	75-35-4	5	0.2	J	28	D	<0.15	U	2.2		<0.15	U	<0.15
cis-1,2-Dichlorethene	156-59-2	5	12		240	D	30		10		0.37	J	<0.19
trans-1,2-Dichloroethene	156-60-5	5	0.3	J	<0.94	U	<0.19	U	<0.19	U	<0.19	U	<0.19
1,2-Dichloropropane	78-87-5	1	<0.2	U	<0.99	U	<0.2	U	<0.2	U	<0.2	U	<0.2
cis-1,3-Dichloropropene	10061-01-5	0.4	<0.16	U	<0.8	U	<0.16	U	<0.16	U	<0.16	U	<0.16
trans-1,3-Dichloropropene	10061-02-6	0.4	<0.16	U	<0.8	U	<0.16	U	<0.16	U	<0.16	U	<0.16
Ethylbenzene	100-41-4	5	<0.11	U	<0.57	U	<0.11	U	<0.11	U	<0.11	U	<0.11
2-Hexanone	591-78-6	50	<1.2	U	<6.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2
Isopropylbenzene (Cumene)	98-82-8	5	0.21	J	<0.8	U	<0.16	U	<0.16	U	<0.16	U	<0.16
p-Cymene (p-Isopropyltoluene)	99-87-6	5	<0.14	U	<0.69	U	<0.14	U	<0.14	U	<0.14	U	<0.14
Methyl Acetate	79-20-9		<0.4	U	<2	U	<0.4	U	<0.4	U	<0.4	U	<0.4
tert-Butyl Methyl Ether	1634-04-4	10	<0.11	U	<0.56	U	<0.11	U	<0.11	U	<0.11	U	<0.11
Methylcyclohexane	108-87-2		<0.17	U	<0.84	U	<0.17	U	<0.17	U	<0.17	U	<0.17
Methylene Chloride	75-09-2	5	<0.17	U	<0.83	U	<0.17	U	<0.17	U	<0.17	U	<0.17
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1		<1.2	U	<6.1	U	<1.2	U	<1.2	U	<1.2	U	<1.2
Naphthalene	91-20-3	10	<0.21	U	<1	U	<0.21	U	<0.21	U	<0.21	U	<0.21
N-Propylbenzene	103-65-1	5	<0.11	U	<0.56	U	<0.11	U	<0.11	U	<0.11	U	<0.11
Styrene	100-42-5	5	<0.16	U	<0.79	U	<0.16	U	<0.16	U	<0.16	U	<0.16
1,1,2,2-Tetrachloroethane	79-34-5	5	<0.11	U	<0.57	U	<0.11	U	<0.11	U	<0.11	U	<0.11
Tetrachloroethene (PCE)	127-18-4	5	<0.15	U	1.2	JD	<0.15	U	<0.15	U	<0.15	U	<0.15
Toluene	108-88-3	5	<0.11	U	<0.54	U	<0.11	U	<0.11	U	<0.11	U	<0.11
1,2,3-Trichlorobenzene	87-61-6		<0.21	U	<1	U	<0.21	U	<0.21	U	<0.21	U	<0.21
1,2,4-Trichlorobenzene	120-82-1	5	<0.18	U	<0.91	U	<0.18	U	<0.18	U	<0.18	U	<0.18
1,1,1-Trichloroethane (TCA)	71-55-6	5	<0.15	U	560	D	<0.15	U	2.5		<0.15	U	<0.15
1,1,2-Trichloroethane	79-00-5	1	<0.15	U	<0.76	U	<0.15	U	<0.15	U	<0.15	U	<0.15
Trichloroethene (TCE)	79-01-6	5	<0.16	U	280	D	0.37	J	0.59	J	1.2		<0.16
Trichlorofluoromethane	75-69-4	5	<0.16	U	<0.81	U	<0.16	U	<0.16	U	<0.16	U	<0.16
1,2,3-Trichloropropane	96-18-4		<0.23	U	<1.2	U	<0.23	U	<0.23	U	<0.23	U	<0.23
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	5	<0.15	U	4.8	JD	<0.15	U	<0.15	U	<0.15	U	<0.15
1,2,4-Trimethylbenzene	95-63-6	5	<0.15	U	<0.76	U	<0.15	U	<0.15	U	<0.15	U	<0.15
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	<0.16	U	<0.79	U	<0.16	U	<0.16	U	<0.16	U	<0.16
Vinyl Chloride	75-01-4	2	12		5.6	JD	1.4	J	14		<0.22	U	<0.22
m,p-Xylene	179601-23-1	5	<0.3	U	<1.5	U	<0.3	U	<0.3	U	<0.3	U	<0.3
o-Xylene (1,2-Dimethylbenzene)	95-47-6	5	<0.16	U	<0.8	U	<0.16	U	<0.16	U	<0.16	U	<0.16
Xylenes	1330-20-7		<1	U	<5	U	<1	U	<1	U	<1	U	<1
Sum of VOCs detected			42.81		1091.6		48.77		69.79		13.19		8.82

Notes:

Concentration exceeds the laboratory method detection limit

Concentration exceeds NYCRR Part 703 Groundwater Quality Standards

U- Compound analyzed for but not detected

J - Compound detected below the reporting limit or reported concentration is estimated

D- Result of diluted sample shown

µg/L - Micrograms per Liter

DUP-1 a duplicate sample from monitoring well 4009-22

DUP-2 is a duplicate sample from monitoring well 4009-29I

Table 2
Project Name
Site Name
LaBella Project No.

SAMPLE ID:	3-25	4009-14-20250625		4009-15-20250624		4009-16-20250624		4009-16A-20250624		4009-18-20250626		4009-19-20250626		4009-21-20250626	
LAB ID:	12	25F2156-11		25F2156-24		25F2156-22		25F2156-20		25F2156-03		25F2156-05		25F2156-02	
SAMPLE DATE:	25	6/27/2025		6/24/2025		6/24/2025		6/24/2025		6/26/2025		6/26/2025		6/24/2025	
SAMPLE DEPTH (FT BGS):															
SAMPLE MATRIX:	ter	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater	
ANALYTE	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Volatile Organic Compounds															
Acetone	J	23	J	18	J	13	J	7.2	J	<19	U	11	J	21	J
Benzene	J	1.1		0.59	J	1		<0.19	U	<1.9	U	<0.19	U	0.72	J
Bromochloromethane	U	<0.34	U	<0.34	U	<0.34	U	<0.34	U	<3.4	U	<0.34	U	<0.34	U
Bromodichloromethane	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<1.4	U	<0.14	U	<0.14	U
Bromoform	U	<0.32	U	<0.32	U	<0.32	U	<0.32	U	<3.2	U	<0.32	U	<0.32	U
Bromomethane	U	<0.91	U	<0.91	U	<0.91	U	<0.91	U	<9.1	U	<0.91	U	<0.91	U
Methyl Ethyl Ketone (2-Butanone)	U	<1.5	U	<1.5	U	<1.5	U	<1.5	U	<15	U	<1.5	U	<1.5	U
N-Butylbenzene	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<1.4	U	<0.14	U	<0.14	U
sec-Butylbenzene	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<1.4	U	<0.14	U	<0.14	U
tert-Butylbenzene	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<1.3	U	<0.13	U	<0.13	U
Carbon Disulfide	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<16	U	<1.6	U	<1.6	U
Carbon Tetrachloride	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<1.8	U	<0.18	U	<0.18	U
Chlorobenzene	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U	1.2	JD	<0.12	U	<0.12	U
Dibromochloromethane	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<1.2	U	<0.12	U	<0.12	U
Chloroethane	U	<0.43	U	<0.43	U	<0.43	U	<0.43	U	7.3	JD	<0.43	U	<0.43	U
Chloroform	U	<0.14	U	<0.14	U	<0.14	U	0.43	J	<1.4	U	<0.14	U	<0.14	U
Chloromethane (Methyl Chloride)	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<3.9	U	<0.39	U	<0.39	U
Cyclohexane	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<13	U	<1.3	U	<1.3	U
1,2-Dibromo-3-Chloropropane	U	<0.62	U	<0.62	U	<0.62	U	<0.62	U	<6.2	U	<0.62	U	<0.62	U
1,2-Dibromoethane (Ethylene Dibromide)	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<1.2	U	<0.12	U	<0.12	U
1,2-Dichlorobenzene	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<1.3	U	<0.13	U	<0.13	U
1,3-Dichlorobenzene	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<1.4	U	<0.14	U	<0.14	U
1,4-Dichlorobenzene	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<1.4	U	<0.14	U	<0.14	U
Dichlorodifluoromethane	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<2.3	U	<0.23	U	<0.23	U
1,1-Dichloroethane	U	<0.19	U	0.95	J	<0.19	U	<0.19	U	97	D	<0.19	U	<0.19	U
1,2-Dichloroethane	U	<0.28	U	<0.28	U	<0.28	U	<0.28	U	<2.8	U	<0.28	U	<0.28	U
1,1-Dichloroethene	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	49	D	<0.15	U	<0.15	U
cis-1,2-Dichlorethene	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U	350	D	<0.19	U	<0.19	U
trans-1,2-Dichloroethene	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<1.9	U	<0.19	U	<0.19	U
1,2-Dichloropropane	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<2	U	<0.2	U	<0.2	U
cis-1,3-Dichloropropene	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<1.6	U	<0.16	U	<0.16	U
trans-1,3-Dichloropropene	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<1.6	U	<0.16	U	<0.16	U
Ethylbenzene	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<1.1	U	<0.11	U	<0.11	U
2-Hexanone	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<12	U	<1.2	U	<1.2	U
Isopropylbenzene (Cumene)	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<1.6	U	<0.16	U	<0.16	U
p-Cymene (p-Isopropyltoluene)	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<1.4	U	<0.14	U	<0.14	U
Methyl Acetate	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<4	U	<0.4	U	<0.4	U
tert-Butyl Methyl Ether	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<1.1	U	<0.11	U	<0.11	U
Methylcyclohexane	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<1.7	U	<0.17	U	<0.17	U
Methylene Chloride	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<1.7	U	<0.17	U	<0.17	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<12	U	<1.2	U	<1.2	U
Naphthalene	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<2.1	U	<0.21	U	<0.21	U
N-Propylbenzene	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<1.1	U	<0.11	U	<0.11	U
Styrene	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<1.6	U	<0.16	U	<0.16	U
1,1,2,2-Tetrachloroethane	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<1.1	U	<0.11	U	<0.11	U
Tetrachloroethene (PCE)	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<1.5	U	<0.15	U	<0.15	U
Toluene	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<1.1	U	<0.11	U	<0.11	U
1,2,3-Trichlorobenzene	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<2.1	U	<0.21	U	<0.21	U
1,2,4-Trichlorobenzene	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<1.8	U	<0.18	U	<0.18	U
1,1,1-Trichloroethane (TCA)	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	940	D	<0.15	U	<0.15	U
1,1,2-Trichloroethane	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<1.5	U	<0.15	U	<0.15	U
Trichloroethene (TCE)	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	5.1	JD	<0.16	U	<0.16	U
Trichlorofluoromethane	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<1.6	U	<0.16	U	<0.16	U
1,2,3-Trichloropropane	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<2.3	U	<0.23	U	<0.23	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	7.9	JD	<0.15	U	<0.15	U
1,2,4-Trimethylbenzene	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<1.5	U	<0.15	U	<0.15	U
1,3,5-Trimethylbenzene (Mesitylene)	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<1.6	U	<0.16	U	<0.16	U
Vinyl Chloride	U	<0.22	U	<0.22	U	<0.22	U	<0.22	U	310	D	<0.22	U	<0.22	U
m,p-Xylene	U	<0.3	U	<0.3	U	<0.3	U	<0.3	U	<3	U	<0.3	U	<0.3	U
o-Xylene (1,2-Dimethylbenzene)	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<1.6	U	<0.16	U	<0.16	U
Xylenes	U	<1	U	<1	U	<1	U	<1	U	<10	U	<1	U	<1	U
		24.1		19.54		14		7.63		1767.5		11		21.72	

Notes:
Concentration exceeds the laboratory method detection limit
Concentration exceeds NYCRR Part 703 Groundwater Quality Standards
U- Compound analyzed for but not detected
J - Compound detected below the reporting limit or reported cor
D- Result of diluted sample shown
µg/L - Micrograms per Liter
DUP-1 a duplicate sample from monitoring well 4009-22
DUP-2 is a duplicate sample from monitoring well 4009-291

Table 2
Project Name
Site Name
LaBella Project No.

SAMPLE ID:	4009-22-20250624		DUP-01		4009-26-20250625		4009-27S-20250625		4009-27I-20250625		4009-27D-20250625		4009-28-20250624	
LAB ID:	25F2156-01		25F2156-04		25F2156-08		25F2156-15		25F2156-13		25F2156-14		25F2156-25	
SAMPLE DATE:	6/24/2025		6/26/2025		6/25/2025		6/25/2025		6/25/2025		6/27/2025		6/27/2025	
SAMPLE DEPTH (FT BGS):														
SAMPLE MATRIX:	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater	
ANALYTE	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Volatile Organic Compounds														
Acetone	14	J	14	J	21	J	7.4	J	17	J	11	J	6.5	J
Benzene	1.3		1.2		<0.19	U	<0.19	U	<0.19	U	<0.19	U	0.62	J
Bromochloromethane	<0.34	U	<0.34	U	<0.34	U	<0.34	U	<0.34	U	<0.34	U	<0.34	U
Bromodichloromethane	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
Bromoform	<0.32	U	<0.32	U	<0.32	U	<0.32	U	<0.32	U	<0.32	U	<0.32	U
Bromomethane	<0.91	U	<0.91	U	<0.91	U	<0.91	U	<0.91	U	<0.91	U	<0.91	U
Methyl Ethyl Ketone (2-Butanone)	<1.5	U	<1.5	U	<1.5	U	<1.5	U	<1.5	U	<1.5	U	<1.5	U
N-Butylbenzene	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
sec-Butylbenzene	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
tert-Butylbenzene	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U
Carbon Disulfide	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U
Carbon Tetrachloride	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U
Chlorobenzene	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U
Dibromochloromethane	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U
Chloroethane	<0.43	U	<0.43	U	<0.43	U	<0.43	U	<0.43	U	<0.43	U	<0.43	U
Chloroform	<0.14	U	<0.14	U	<0.14	U	0.23	J	<0.14	U	<0.14	U	<0.14	U
Chloromethane (Methyl Chloride)	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U
Cyclohexane	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U
1,2-Dibromo-3-Chloropropane	<0.62	U	<0.62	U	<0.62	U	<0.62	U	<0.62	U	<0.62	U	<0.62	U
1,2-Dibromoethane (Ethylene Dibromide)	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U
1,2-Dichlorobenzene	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U
1,3-Dichlorobenzene	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
1,4-Dichlorobenzene	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
Dichlorodifluoromethane	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U
1,1-Dichloroethane	<0.19	U	<0.19	U	5.6		5.3		<0.19	U	<0.19	U	1.6	
1,2-Dichloroethane	<0.28	U	<0.28	U	<0.28	U	<0.28	U	<0.28	U	<0.28	U	<0.28	U
1,1-Dichloroethene	<0.15	U	<0.15	U	1.2		7.7		<0.15	U	<0.15	U	<0.15	U
cis-1,2-Dichlorethene	<0.19	U	<0.19	U	18		31		<0.19	U	<0.19	U	0.22	J
trans-1,2-Dichloroethene	<0.19	U	<0.19	U	<0.19	U	0.2	J	<0.19	U	<0.19	U	<0.19	U
1,2-Dichloropropane	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U
cis-1,3-Dichloropropene	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
trans-1,3-Dichloropropene	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Ethylbenzene	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U
2-Hexanone	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U
Isopropylbenzene (Cumene)	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
p-Cymene (p-Isopropyltoluene)	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
Methyl Acetate	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U
tert-Butyl Methyl Ether	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U
Methylcyclohexane	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U
Methylene Chloride	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U
Naphthalene	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U
N-Propylbenzene	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U
Styrene	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
1,1,2,2-Tetrachloroethane	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U
Tetrachloroethene (PCE)	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
Toluene	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U
1,2,3-Trichlorobenzene	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U
1,2,4-Trichlorobenzene	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U
1,1,1-Trichloroethane (TCA)	<0.15	U	<0.15	U	20		110		0.36	J	<0.15	U	0.19	J
1,1,2-Trichloroethane	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
Trichloroethene (TCE)	<0.16	U	<0.16	U	6.8		23		2.8		<0.16	U	<0.16	U
Trichlorofluoromethane	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
1,2,3-Trichloropropane	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.15	U	<0.15	U	0.45	J	2.9		0.27	J	<0.15	U	<0.15	U
1,2,4-Trimethylbenzene	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
1,3,5-Trimethylbenzene (Mesitylene)	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Vinyl Chloride	<0.22	U	<0.22	U	0.92	J	0.22	J	<0.22	U	<0.22	U	<0.22	U
m,p-Xylene	<0.3	U	<0.3	U	<0.3	U	<0.3	U	<0.3	U	<0.3	U	<0.3	U
o-Xylene (1,2-Dimethylbenzene)	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Xylenes	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
	15.3		15.2		73.97		187.95		20.43		11		9.13	

Notes:
Concentration exceeds the laboratory method detection limit
Concentration exceeds NYCRR Part 703 Groundwater Quality Standards
U- Compound analyzed for but not detected
J - Compound detected below the reporting limit or reported cor
D- Result of diluted sample shown
µg/L - Micrograms per Liter
DUP-1 a duplicate sample from monitoring well 4009-22
DUP-2 is a duplicate sample from monitoring well 4009-29I

Table 2
Project Name
Site Name
LaBella Project No.

SAMPLE ID:	4009-29S-20250625		4009-29I-20250625		DUP-02		4009-29D-20250625		4009-30-20250624	
LAB ID:	25F2156-19		25F2156-17		25F2156-18		25F2156-16		25F2156-23	
SAMPLE DATE:	6/27/2025		6/25/2025		6/27/2025		6/27/2025		6/24/2025	
SAMPLE DEPTH (FT BGS):										
SAMPLE MATRIX:	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater	
ANALYTE	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Volatile Organic Compounds										
Acetone	14	J	20	J	12	J	11	J	14	J
Benzene	<0.19	U	0.44	J	0.46	J	<0.19	U	1.9	
Bromochloromethane	<0.34	U	<0.34	U	<0.34	U	<0.34	U	<0.34	U
Bromodichloromethane	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
Bromoform	<0.32	U	<0.32	U	<0.32	U	<0.32	U	<0.32	U
Bromomethane	<0.91	U	<0.91	U	<0.91	U	<0.91	U	<0.91	U
Methyl Ethyl Ketone (2-Butanone)	<1.5	U	<1.5	U	<1.5	U	<1.5	U	<1.5	U
N-Butylbenzene	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
sec-Butylbenzene	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
tert-Butylbenzene	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U
Carbon Disulfide	<1.6	U	<1.6	U	<1.6	U	<1.6	U	<1.6	U
Carbon Tetrachloride	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U
Chlorobenzene	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U
Dibromochloromethane	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U
Chloroethane	<0.43	U	<0.43	U	<0.43	U	28		<0.43	U
Chloroform	<0.14	U	<0.14	U	0.22	J	<0.14	U	<0.14	U
Chloromethane (Methyl Chloride)	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U
Cyclohexane	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U
1,2-Dibromo-3-Chloropropane	<0.62	U	<0.62	U	<0.62	U	<0.62	U	<0.62	U
1,2-Dibromoethane (Ethylene Dibromide)	<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U
1,2-Dichlorobenzene	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U
1,3-Dichlorobenzene	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
1,4-Dichlorobenzene	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
Dichlorodifluoromethane	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U
1,1-Dichloroethane	0.25	J	50		52		47		0.89	J
1,2-Dichloroethane	<0.28	U	<0.28	U	<0.28	U	<0.28	U	<0.28	U
1,1-Dichloroethene	<0.15	U	21		21		0.49	J	<0.15	U
cis-1,2-Dichlorethene	<0.19	U	32		34		0.75	J	<0.19	U
trans-1,2-Dichloroethene	<0.19	U	0.31	J	0.34	J	<0.19	U	<0.19	U
1,2-Dichloropropane	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U
cis-1,3-Dichloropropene	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
trans-1,3-Dichloropropene	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Ethylbenzene	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U
2-Hexanone	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U
Isopropylbenzene (Cumene)	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
p-Cymene (p-Isopropyltoluene)	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
Methyl Acetate	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U
tert-Butyl Methyl Ether	<0.11	U	<0.11	U	<0.11	U	1		<0.11	U
Methylcyclohexane	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U
Methylene Chloride	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	<1.2	U	<1.2	U	<1.2	U	<1.2	U	<1.2	U
Naphthalene	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U
N-Propylbenzene	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U
Styrene	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
1,1,2,2-Tetrachloroethane	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U
Tetrachloroethene (PCE)	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
Toluene	<0.11	U	<0.11	U	<0.11	U	<0.11	U	<0.11	U
1,2,3-Trichlorobenzene	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U
1,2,4-Trichlorobenzene	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U
1,1,1-Trichloroethane (TCA)	0.5	J	110		120		0.86	J	<0.15	U
1,1,2-Trichloroethane	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
Trichloroethene (TCE)	<0.16	U	7.5		7.3		2		<0.16	U
Trichlorofluoromethane	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
1,2,3-Trichloropropane	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.15	U	0.28	J	0.3	J	<0.15	U	<0.15	U
1,2,4-Trimethylbenzene	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
1,3,5-Trimethylbenzene (Mesitylene)	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Vinyl Chloride	<0.22	U	33		32		16		<0.22	U
m,p-Xylene	<0.3	U	<0.3	U	<0.3	U	<0.3	U	<0.3	U
o-Xylene (1,2-Dimethylbenzene)	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Xylenes	<1	U	<1	U	<1	U	<1	U	<1	U

14.75274.53279.62107.116.79

Notes:
Concentration exceeds the laboratory method detection limit
Concentration exceeds NYCRR Part 703 Groundwater Quality Standards
U- Compound analyzed for but not detected
J - Compound detected below the reporting limit or reported concentration
D- Result of diluted sample shown
µg/L - Micrograms per Liter
DUP-1 a duplicate sample from monitoring well 4009-22
DUP-2 is a duplicate sample from monitoring well 4009-29I

July 10, 2025

Mike Pelychaty
NYDEC_Labella Associates - Rochester, NY
300 State Street, Suite 201
Rochester, NY 14614

Project Location: Vestal, Binghamton, NY
Client Job Number:
Project Number: 704009A
Laboratory Work Order Number: 25F2156

Enclosed are results of analyses for samples as received by the laboratory on June 27, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

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Pace Analytical Services, LLC - East Longmeadow, Ma

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

NYDEC_Labella Associates - Rochester, NY
300 State Street, Suite 201
Rochester, NY 14614
ATTN: Mike Pelychaty

REPORT DATE: 7/10/2025

PURCHASE ORDER NUMBER: 152018

PROJECT NUMBER: 704009A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25F2156

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: Vestal, Binghamton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
4009-22-20250624	25F2156-01	Ground Water		SW-846 8260D	
4009-21-20250626	25F2156-02	Ground Water		SW-846 8260D	
4009-18-20250626	25F2156-03	Ground Water		SW-846 8260D	
DUPE-01	25F2156-04	Ground Water		SW-846 8260D	
4009-19-20250626	25F2156-05	Ground Water		SW-846 8260D	
4009-7-20250626	25F2156-06	Ground Water		SW-846 8260D	
4009-8-20250625	25F2156-07	Ground Water		SW-846 8260D	
4009-26-20250625	25F2156-08	Ground Water		SW-846 8260D	
4009-9-20250625	25F2156-09	Ground Water		SW-846 8260D	
4009-11-20250625	25F2156-10	Ground Water		SW-846 8260D	
4009-14-20250625	25F2156-11	Ground Water		SW-846 8260D	
4009-13-20250625	25F2156-12	Ground Water		SW-846 8260D	
4009-27I-20250625	25F2156-13	Ground Water		SW-846 8260D	
4009-27D-20250625	25F2156-14	Ground Water		SW-846 8260D	
4009-27S-20250625	25F2156-15	Ground Water		SW-846 8260D	
4009-29D-20250625	25F2156-16	Ground Water		SW-846 8260D	
4009-29I-20250625	25F2156-17	Ground Water		SW-846 8260D	
DUPE-02	25F2156-18	Ground Water		SW-846 8260D	
4009-29S-20250625	25F2156-19	Ground Water		SW-846 8260D	
4009-16A-20250624	25F2156-20	Ground Water		SW-846 8260D	
4009-12-20250625	25F2156-21	Ground Water		SW-846 8260D	
4009-16-20250624	25F2156-22	Ground Water		SW-846 8260D	
4009-30-20250624	25F2156-23	Ground Water		SW-846 8260D	
4009-15-20250624	25F2156-24	Ground Water		SW-846 8260D	
4009-28-20250624	25F2156-25	Ground Water		SW-846 8260D	

CASE NARRATIVE SUMMARY

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

Qualifications:**L-04**

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

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

25F2156-01[4009-22-20250624], 25F2156-02[4009-21-20250626], 25F2156-03[4009-18-20250626], 25F2156-04[DUPE-01], 25F2156-05[4009-19-20250626], 25F2156-06[4009-7-20250626], 25F2156-07[4009-8-20250625], 25F2156-08[4009-26-20250625], 25F2156-09[4009-9-20250625], 25F2156-10[4009- 11-20250625], 25F2156-11[4009-14-20250625], 25F2156-12[4009-13-20250625], 25F2156-13[4009-27I-20250625], 25F2156-14[4009-27D-20250625], 25F2156-15[4009-27S-20250625], 25F2156-16[4009-29D-20250625], 25F2156-17[4009-29I-20250625], 25F2156-18[DUPE-02], 25F2156-19[4009-29S-20250625], 25F2156-20[4009-16A-20250624], 25F2156-21[4009-12-20250625], 25F2156-22[4009-16-20250624], 25F2156-23[4009-30-20250624], 25F2156-24[4009-15-20250624], 25F2156-25[4009-28-20250624], B408542-BLK1, B408542-BS1, B408542-BSD1, B408549-BLK1, B408549-BS1, B408549-BSD1, B408549-MS1, B408549-MS2, B408549-MSD1, B408549-MSD2

MS-09

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

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

25F2156-15[4009-27S-20250625], 25F2156-21[4009-12-20250625], B408549-MS1, B408549-MS2, B408549-MSD1, B408549-MSD2

MS-15

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

Analyte & Samples(s) Qualified:**Dichlorodifluoromethane (Freon 12)**

B408549-MS2, B408549-MSD2

Trichlorofluoromethane (Freon 11)

B408549-MS1, B408549-MS2, B408549-MSD1, B408549-MSD2

MS-19

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

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

25F2156-15[4009-27S-20250625], B408549-MS1, B408549-MSD1

MS-24

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

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

B408549-MSD1, B408549-MSD2

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

25F2156-03[4009-18-20250626], 25F2156-07[4009-8-20250625]

V-05

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

Analyte & Samples(s) Qualified:**2-Butanone (MEK)**

25F2156-01[4009-22-20250624], 25F2156-02[4009-21-20250626], 25F2156-03[4009-18-20250626], 25F2156-04[DUPE-01], 25F2156-05[4009-19-20250626], 25F2156-06[4009-7-20250626], 25F2156-07[4009-8-20250625], 25F2156-08[4009-26-20250625], 25F2156-09[4009-9-20250625], 25F2156-10[4009- 11-20250625], 25F2156-11[4009-14-20250625], 25F2156-12[4009-13-20250625], 25F2156-13[4009-27I-20250625], 25F2156-14[4009-27D-20250625], 25F2156-15[4009-27S-20250625], 25F2156-16[4009-29D-20250625], 25F2156-17[4009-29I-20250625], 25F2156-18[DUPE-02], 25F2156-19[4009-29S-20250625], 25F2156-20[4009-16A-20250624], 25F2156-21[4009-12-20250625], 25F2156-22[4009-16-20250624], 25F2156-23[4009-30-20250624], 25F2156-24[4009-15-20250624], 25F2156-25[4009-28-20250624], B408542-BLK1, B408542-BS1, B408542-BSD1, B408549-BLK1, B408549-BS1, B408549-BSD1, B408549-MS1, B408549-MS2, B408549-MSD1, B408549-MSD2, S123368-CCV1, S123374-CCV1

Methyl Acetate

25F2156-01[4009-22-20250624], 25F2156-02[4009-21-20250626], 25F2156-03[4009-18-20250626], 25F2156-04[DUPE-01], 25F2156-05[4009-19-20250626], 25F2156-06[4009-7-20250626], 25F2156-07[4009-8-20250625], 25F2156-08[4009-26-20250625], 25F2156-09[4009-9-20250625], 25F2156-10[4009- 11-20250625], 25F2156-11[4009-14-20250625], 25F2156-12[4009-13-20250625], 25F2156-13[4009-27I-20250625], 25F2156-14[4009-27D-20250625], 25F2156-15[4009-27S-20250625], 25F2156-16[4009-29D-20250625], 25F2156-17[4009-29I-20250625], 25F2156-18[DUPE-02], 25F2156-19[4009-29S-20250625], 25F2156-20[4009-16A-20250624], 25F2156-21[4009-12-20250625], 25F2156-22[4009-16-20250624], 25F2156-23[4009-30-20250624], 25F2156-24[4009-15-20250624], 25F2156-25[4009-28-20250624], B408542-BLK1, B408542-BS1, B408542-BSD1, B408549-BLK1, B408549-BS1, B408549-BSD1, B408549-MS1, B408549-MS2, B408549-MSD1, B408549-MSD2, S123368-CCV1, S123374-CCV1

V-06

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

Analyte & Samples(s) Qualified:**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**

25F2156-03[4009-18-20250626], 25F2156-07[4009-8-20250625], 25F2156-08[4009-26-20250625], B408542-BS1, B408542-BSD1, S123368-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:**Dichlorodifluoromethane (Freon 12)**

B408542-BS1, B408542-BSD1, B408549-BS1, B408549-BSD1, B408549-MS1, B408549-MS2, B408549-MSD1, B408549-MSD2, S123368-CCV1, S123374-CCV1

Trichlorofluoromethane (Freon 11)

B408542-BS1, B408542-BSD1, B408549-BS1, B408549-BSD1, B408549-MS1, B408549-MS2, B408549-MSD1, B408549-MSD2, S123368-CCV1, S123374-CCV1

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.

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



Lisa A. Worthington
Technical Representative

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-22-20250624

Sampled: 6/24/2025 17:10

Sample ID: 25F2156-01

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	14	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Benzene	1.3	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 14:07	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	V-05, L-04	SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-22-20250624

Sampled: 6/24/2025 17:10

Sample ID: 25F2156-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:07	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				7/2/25 14:07			
Toluene-d8	94.8		70-130				7/2/25 14:07			
4-Bromofluorobenzene	102		70-130				7/2/25 14:07			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-21-20250626

Sampled: 6/26/2025 08:50

Sample ID: 25F2156-02

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	21	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Benzene	0.72	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 14:33	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	V-05, L-04	SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-21-20250626

Sampled: 6/26/2025 08:50

Sample ID: 25F2156-02

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
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:33	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				7/2/25 14:33			
Toluene-d8	94.1		70-130				7/2/25 14:33			
4-Bromofluorobenzene	95.6		70-130				7/2/25 14:33			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-18-20250626

Sampled: 6/26/2025 08:30

Sample ID: 25F2156-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	500	19	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Benzene	ND	10	1.9	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Bromochloromethane	ND	10	3.4	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Bromodichloromethane	ND	5.0	1.4	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Bromoform	ND	10	3.2	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Bromomethane	ND	20	9.1	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
2-Butanone (MEK)	ND	200	15	µg/L	10	V-05	SW-846 8260D	7/1/25	7/2/25 18:22	EEH
n-Butylbenzene	ND	10	1.4	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
sec-Butylbenzene	ND	10	1.4	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
tert-Butylbenzene	ND	10	1.3	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Carbon Disulfide	ND	50	16	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Carbon Tetrachloride	ND	50	1.8	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Chlorobenzene	1.2	10	1.2	µg/L	10	J	SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Chlorodibromomethane	ND	5.0	1.2	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Chloroethane	7.3	20	4.3	µg/L	10	J	SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Chloroform	ND	20	1.4	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Chloromethane	ND	20	3.9	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Cyclohexane	ND	50	13	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	6.2	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,2-Dibromoethane (EDB)	ND	5.0	1.2	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,2-Dichlorobenzene	ND	10	1.3	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,3-Dichlorobenzene	ND	10	1.4	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,4-Dichlorobenzene	ND	10	1.4	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	20	2.3	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,1-Dichloroethane	97	10	1.9	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,2-Dichloroethane	ND	10	2.8	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,1-Dichloroethylene	49	10	1.5	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
cis-1,2-Dichloroethylene	350	10	1.9	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
trans-1,2-Dichloroethylene	ND	10	1.9	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,2-Dichloropropane	ND	10	2.0	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
cis-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
trans-1,3-Dichloropropene	ND	5.0	1.6	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Ethylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
2-Hexanone (MBK)	ND	100	12	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Isopropylbenzene (Cumene)	ND	10	1.6	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
p-Isopropyltoluene (p-Cymene)	ND	10	1.4	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Methyl Acetate	ND	10	4.0	µg/L	10	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	1.1	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Methyl Cyclohexane	ND	10	1.7	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Methylene Chloride	ND	50	1.7	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
4-Methyl-2-pentanone (MIBK)	ND	100	12	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Naphthalene	ND	20	2.1	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
n-Propylbenzene	ND	10	1.1	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Styrene	ND	10	1.6	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-18-20250626

Sampled: 6/26/2025 08:30

Sample ID: 25F2156-03

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	5.0	1.1	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Tetrachloroethylene	ND	10	1.5	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Toluene	ND	10	1.1	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,2,3-Trichlorobenzene	ND	50	2.1	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,2,4-Trichlorobenzene	ND	10	1.8	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,1,1-Trichloroethane	940	10	1.5	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,1,2-Trichloroethane	ND	10	1.5	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Trichloroethylene	5.1	10	1.6	µg/L	10	J	SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Trichlorofluoromethane (Freon 11)	ND	20	1.6	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,2,3-Trichloropropane	ND	20	2.3	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.9	10	1.5	µg/L	10	V-06, J	SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,2,4-Trimethylbenzene	ND	10	1.5	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
1,3,5-Trimethylbenzene	ND	10	1.6	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Vinyl Chloride	310	20	2.2	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
m+p Xylene	ND	20	3.0	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
o-Xylene	ND	10	1.6	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Xylenes (total)	ND	10	10	µg/L	10		SW-846 8260D	7/1/25	7/2/25 18:22	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	94.1		70-130				7/2/25 18:22			
Toluene-d8	91.6		70-130				7/2/25 18:22			
4-Bromofluorobenzene	101		70-130				7/2/25 18:22			

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: DUPE-01

Sampled: 6/26/2025 17:15

Sample ID: 25F2156-04

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	14	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Benzene	1.2	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 14:58	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Sampled: 6/26/2025 17:15

Field Sample #: DUPE-01

Sample ID: 25F2156-04

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
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 14:58	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	100		70-130				7/2/25 14:58			
Toluene-d8	94.2		70-130				7/2/25 14:58			
4-Bromofluorobenzene	97.0		70-130				7/2/25 14:58			

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-19-20250626

Sampled: 6/26/2025 08:10

Sample ID: 25F2156-05

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	11	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 15:24	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-19-20250626

Sampled: 6/26/2025 08:10

Sample ID: 25F2156-05

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
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:24	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				7/2/25 15:24			
Toluene-d8	95.4		70-130				7/2/25 15:24			
4-Bromofluorobenzene	99.1		70-130				7/2/25 15:24			

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-7-20250626

Sampled: 6/26/2025 07:40

Sample ID: 25F2156-06

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	18	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Benzene	0.30	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 15:49	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
tert-Butylbenzene	0.29	1.0	0.13	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,1-Dichloroethane	0.60	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,1-Dichloroethylene	0.20	1.0	0.15	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 15:49	EEH
cis-1,2-Dichloroethylene	12	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
trans-1,2-Dichloroethylene	0.30	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Isopropylbenzene (Cumene)	0.21	1.0	0.16	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 15:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-7-20250626

Sampled: 6/26/2025 07:40

Sample ID: 25F2156-06

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
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Vinyl Chloride	12	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 15:49	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.3		70-130				7/2/25 15:49			
Toluene-d8	92.0		70-130				7/2/25 15:49			
4-Bromofluorobenzene	97.1		70-130				7/2/25 15:49			

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-8-20250625

Sampled: 6/25/2025 16:50

Sample ID: 25F2156-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	9.6	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Benzene	ND	5.0	0.94	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Bromochloromethane	ND	5.0	1.7	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Bromodichloromethane	ND	2.5	0.69	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Bromoform	ND	5.0	1.6	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Bromomethane	ND	10	4.6	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
2-Butanone (MEK)	ND	100	7.3	µg/L	5	V-05	SW-846 8260D	7/1/25	7/2/25 18:47	EEH
n-Butylbenzene	ND	5.0	0.72	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
sec-Butylbenzene	ND	5.0	0.71	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
tert-Butylbenzene	ND	5.0	0.67	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Carbon Disulfide	ND	25	7.8	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Carbon Tetrachloride	ND	25	0.88	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Chlorobenzene	ND	5.0	0.58	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Chlorodibromomethane	ND	2.5	0.61	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Chloroethane	ND	10	2.2	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Chloroform	ND	10	0.69	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Chloromethane	ND	10	1.9	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Cyclohexane	ND	25	6.5	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	3.1	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,2-Dibromoethane (EDB)	ND	2.5	0.61	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,2-Dichlorobenzene	ND	5.0	0.65	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,3-Dichlorobenzene	ND	5.0	0.68	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,4-Dichlorobenzene	ND	5.0	0.70	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	1.1	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,1-Dichloroethane	33	5.0	0.93	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,2-Dichloroethane	ND	5.0	1.4	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,1-Dichloroethylene	28	5.0	0.76	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
cis-1,2-Dichloroethylene	240	5.0	0.95	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
trans-1,2-Dichloroethylene	ND	5.0	0.94	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,2-Dichloropropane	ND	5.0	0.99	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
cis-1,3-Dichloropropene	ND	2.5	0.80	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
trans-1,3-Dichloropropene	ND	2.5	0.80	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Ethylbenzene	ND	5.0	0.57	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
2-Hexanone (MBK)	ND	50	6.2	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Isopropylbenzene (Cumene)	ND	5.0	0.80	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
p-Isopropyltoluene (p-Cymene)	ND	5.0	0.69	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Methyl Acetate	ND	5.0	2.0	µg/L	5	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	0.56	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Methyl Cyclohexane	ND	5.0	0.84	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Methylene Chloride	ND	25	0.83	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	6.1	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Naphthalene	ND	10	1.0	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
n-Propylbenzene	ND	5.0	0.56	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Styrene	ND	5.0	0.79	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-8-20250625

Sampled: 6/25/2025 16:50

Sample ID: 25F2156-07

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	2.5	0.57	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Tetrachloroethylene	1.2	5.0	0.74	µg/L	5	J	SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Toluene	ND	5.0	0.54	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,2,3-Trichlorobenzene	ND	25	1.0	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,2,4-Trichlorobenzene	ND	5.0	0.91	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,1,1-Trichloroethane	560	5.0	0.77	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,1,2-Trichloroethane	ND	5.0	0.76	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Trichloroethylene	280	5.0	0.78	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Trichlorofluoromethane (Freon 11)	ND	10	0.81	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,2,3-Trichloropropane	ND	10	1.2	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.8	5.0	0.73	µg/L	5	V-06, J	SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,2,4-Trimethylbenzene	ND	5.0	0.76	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
1,3,5-Trimethylbenzene	ND	5.0	0.79	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Vinyl Chloride	5.6	10	1.1	µg/L	5	J	SW-846 8260D	7/1/25	7/2/25 18:47	EEH
m+p Xylene	ND	10	1.5	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
o-Xylene	ND	5.0	0.80	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Xylenes (total)	ND	5.0	5.0	µg/L	5		SW-846 8260D	7/1/25	7/2/25 18:47	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	93.2		70-130				7/2/25 18:47			
Toluene-d8	95.6		70-130				7/2/25 18:47			
4-Bromofluorobenzene	96.6		70-130				7/2/25 18:47			

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-26-20250625

Sampled: 6/25/2025 16:40

Sample ID: 25F2156-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	21	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 16:15	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,1-Dichloroethane	5.6	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,1-Dichloroethylene	1.2	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
cis-1,2-Dichloroethylene	18	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-26-20250625

Sampled: 6/25/2025 16:40

Sample ID: 25F2156-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,1,1-Trichloroethane	20	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Trichloroethylene	6.8	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.45	1.0	0.15	µg/L	1	V-06, J	SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Vinyl Chloride	0.92	2.0	0.22	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 16:15	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:15	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				7/2/25 16:15			
Toluene-d8	94.8		70-130				7/2/25 16:15			
4-Bromofluorobenzene	95.4		70-130				7/2/25 16:15			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-9-20250625

Sampled: 6/25/2025 15:35

Sample ID: 25F2156-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	17	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 16:40	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Chloroform	0.64	2.0	0.14	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,1-Dichloroethane	0.20	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
cis-1,2-Dichloroethylene	30	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-9-20250625

Sampled: 6/25/2025 15:35

Sample ID: 25F2156-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Trichloroethylene	0.37	1.0	0.16	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Vinyl Chloride	1.4	2.0	0.22	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 16:40	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 16:40	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.6		70-130				7/2/25 16:40			
Toluene-d8	95.4		70-130				7/2/25 16:40			
4-Bromofluorobenzene	99.2		70-130				7/2/25 16:40			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-11-20250625

Sampled: 6/25/2025 14:55

Sample ID: 25F2156-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	20	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Benzene	1.5	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 17:05	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Chloroethane	15	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,1-Dichloroethane	19	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,1-Dichloroethylene	2.2	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
cis-1,2-Dichloroethylene	10	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-11-20250625

Sampled: 6/25/2025 14:55

Sample ID: 25F2156-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,1,1-Trichloroethane	2.5	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Trichloroethylene	0.59	1.0	0.16	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Vinyl Chloride	14	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:05	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	93.4		70-130				7/2/25 17:05			
Toluene-d8	97.3		70-130				7/2/25 17:05			
4-Bromofluorobenzene	99.8		70-130				7/2/25 17:05			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-14-20250625

Sampled: 6/25/2025 13:00

Sample ID: 25F2156-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	23	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Benzene	1.1	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 17:31	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-14-20250625

Sampled: 6/25/2025 13:00

Sample ID: 25F2156-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:31	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	93.9		70-130				7/2/25 17:31			
Toluene-d8	94.3		70-130				7/2/25 17:31			
4-Bromofluorobenzene	99.4		70-130				7/2/25 17:31			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-13-20250625

Sampled: 6/25/2025 12:20

Sample ID: 25F2156-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	8.6	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Benzene	0.22	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 17:56	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-13-20250625

Sampled: 6/25/2025 12:20

Sample ID: 25F2156-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 17:56	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	91.8		70-130				7/2/25 17:56			
Toluene-d8	93.9		70-130				7/2/25 17:56			
4-Bromofluorobenzene	96.6		70-130				7/2/25 17:56			

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-271-20250625

Sampled: 6/25/2025 10:50

Sample ID: 25F2156-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	17	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/3/25 4:56	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-271-20250625

Sampled: 6/25/2025 10:50

Sample ID: 25F2156-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,1,1-Trichloroethane	0.36	1.0	0.15	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Trichloroethylene	2.8	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.27	1.0	0.15	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:56	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	93.6		70-130							
Toluene-d8	94.5		70-130							
4-Bromofluorobenzene	96.7		70-130							

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-27D-20250625

Sampled: 6/25/2025 10:35

Sample ID: 25F2156-14

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	11	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 22:35	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-27D-20250625

Sampled: 6/25/2025 10:35

Sample ID: 25F2156-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 22:35	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				7/2/25 22:35			
Toluene-d8	94.3		70-130				7/2/25 22:35			
4-Bromofluorobenzene	98.4		70-130				7/2/25 22:35			

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-27S-20250625

Sampled: 6/25/2025 10:15

Sample ID: 25F2156-15

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	7.4	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 23:01	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Chloroform	0.23	2.0	0.14	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,1-Dichloroethane	5.3	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,1-Dichloroethylene	7.7	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
cis-1,2-Dichloroethylene	31	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
trans-1,2-Dichloroethylene	0.20	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, MS-09, V-05	SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-27S-20250625

Sampled: 6/25/2025 10:15

Sample ID: 25F2156-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,1,1-Trichloroethane	110	1.0	0.15	µg/L	1	MS-19	SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Trichloroethylene	23	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.9	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Vinyl Chloride	0.22	2.0	0.22	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:01	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:01	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.8		70-130				7/2/25 23:01			
Toluene-d8	92.5		70-130				7/2/25 23:01			
4-Bromofluorobenzene	94.2		70-130				7/2/25 23:01			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-29D-20250625

Sampled: 6/25/2025 09:30

Sample ID: 25F2156-16

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	11	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/3/25 4:31	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Chloroethane	28	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,1-Dichloroethane	47	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,1-Dichloroethylene	0.49	1.0	0.15	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 4:31	EEH
cis-1,2-Dichloroethylene	0.75	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 4:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Methyl tert-Butyl Ether (MTBE)	1.0	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-29D-20250625

Sampled: 6/25/2025 09:30

Sample ID: 25F2156-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,1,1-Trichloroethane	0.86	1.0	0.15	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Trichloroethylene	2.0	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Vinyl Chloride	16	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/3/25 4:31	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	99.9		70-130							
Toluene-d8	94.8		70-130							
4-Bromofluorobenzene	98.4		70-130							

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-291-20250625

Sampled: 6/25/2025 09:00

Sample ID: 25F2156-17

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	20	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Benzene	0.44	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 23:26	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,1-Dichloroethane	50	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,1-Dichloroethylene	21	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
cis-1,2-Dichloroethylene	32	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
trans-1,2-Dichloroethylene	0.31	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-291-20250625

Sampled: 6/25/2025 09:00

Sample ID: 25F2156-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,1,1-Trichloroethane	110	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Trichloroethylene	7.5	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.28	1.0	0.15	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Vinyl Chloride	33	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:26	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.7		70-130				7/2/25 23:26			
Toluene-d8	96.6		70-130				7/2/25 23:26			
4-Bromofluorobenzene	98.4		70-130				7/2/25 23:26			

Pace Analytical Services, LLC - East Longmeadow, Ma

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: DUPE-02

Sampled: 6/25/2025 09:05

Sample ID: 25F2156-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	12	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Benzene	0.46	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/2/25 23:52	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Chloroform	0.22	2.0	0.14	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,1-Dichloroethane	52	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,1-Dichloroethylene	21	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
cis-1,2-Dichloroethylene	34	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
trans-1,2-Dichloroethylene	0.34	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: DUPE-02

Sampled: 6/25/2025 09:05

Sample ID: 25F2156-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,1,1-Trichloroethane	120	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Trichloroethylene	7.3	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.30	1.0	0.15	µg/L	1	J	SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Vinyl Chloride	32	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/2/25 23:52	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	101		70-130				7/2/25 23:52			
Toluene-d8	95.7		70-130				7/2/25 23:52			
4-Bromofluorobenzene	92.5		70-130				7/2/25 23:52			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-29S-20250625

Sampled: 6/25/2025 08:30

Sample ID: 25F2156-19

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	14	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/3/25 0:17	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,1-Dichloroethane	0.25	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-29S-20250625

Sampled: 6/25/2025 08:30

Sample ID: 25F2156-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,1,1-Trichloroethane	0.50	1.0	0.15	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:17	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130							
Toluene-d8	93.7		70-130							
4-Bromofluorobenzene	99.0		70-130							

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-16A-20250624

Sampled: 6/24/2025 16:00

Sample ID: 25F2156-20

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	7.2	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/3/25 0:42	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Chloroform	0.43	2.0	0.14	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-16A-20250624

Sampled: 6/24/2025 16:00

Sample ID: 25F2156-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/3/25 0:42	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.6		70-130				7/3/25 0:42			
Toluene-d8	95.5		70-130				7/3/25 0:42			
4-Bromofluorobenzene	97.5		70-130				7/3/25 0:42			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-12-20250625

Sampled: 6/25/2025 07:45

Sample ID: 25F2156-21

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	11	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Benzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/3/25 1:08	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,1-Dichloroethane	0.62	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
cis-1,2-Dichloroethylene	0.37	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 1:08	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, MS-09, V-05	SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-12-20250625

Sampled: 6/25/2025 07:45

Sample ID: 25F2156-21

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Trichloroethylene	1.2	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:08	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.1		70-130				7/3/25 1:08			
Toluene-d8	95.4		70-130				7/3/25 1:08			
4-Bromofluorobenzene	97.6		70-130				7/3/25 1:08			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-16-20250624

Sampled: 6/24/2025 15:50

Sample ID: 25F2156-22

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	13	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Benzene	1.0	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/3/25 1:33	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,1-Dichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-16-20250624

Sampled: 6/24/2025 15:50

Sample ID: 25F2156-22

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:33	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	94.8		70-130				7/3/25 1:33			
Toluene-d8	93.9		70-130				7/3/25 1:33			
4-Bromofluorobenzene	96.6		70-130				7/3/25 1:33			

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-30-20250624

Sampled: 6/24/2025 14:30

Sample ID: 25F2156-23

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	14	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Benzene	1.9	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/3/25 1:59	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,1-Dichloroethane	0.89	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-30-20250624

Sampled: 6/24/2025 14:30

Sample ID: 25F2156-23

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/3/25 1:59	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	94.4		70-130				7/3/25 1:59			
Toluene-d8	91.9		70-130				7/3/25 1:59			
4-Bromofluorobenzene	102		70-130				7/3/25 1:59			

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-15-20250624

Sampled: 6/24/2025 12:20

Sample ID: 25F2156-24

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	18	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Benzene	0.59	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/3/25 2:24	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,1-Dichloroethane	0.95	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-15-20250624

Sampled: 6/24/2025 12:20

Sample ID: 25F2156-24

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:24	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	97.9		70-130							
Toluene-d8	96.9		70-130							
4-Bromofluorobenzene	97.5		70-130							

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Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-28-20250624

Sampled: 6/24/2025 11:45

Sample ID: 25F2156-25

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	6.5	50	1.9	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Benzene	0.62	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Bromochloromethane	ND	1.0	0.34	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Bromodichloromethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Bromoform	ND	1.0	0.32	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Bromomethane	ND	2.0	0.91	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
2-Butanone (MEK)	ND	20	1.5	µg/L	1	V-05	SW-846 8260D	7/1/25	7/3/25 2:49	EEH
n-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
sec-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Carbon Tetrachloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Chlorodibromomethane	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Chloroethane	ND	2.0	0.43	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Chloromethane	ND	2.0	0.39	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Cyclohexane	ND	5.0	1.3	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.62	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.12	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,4-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,1-Dichloroethane	1.6	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,2-Dichloroethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,1-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
cis-1,2-Dichloroethylene	0.22	1.0	0.19	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 2:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,2-Dichloropropane	ND	1.0	0.20	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
trans-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Ethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.14	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Methyl Acetate	ND	1.0	0.40	µg/L	1	L-04, V-05	SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Methyl Cyclohexane	ND	1.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Methylene Chloride	ND	5.0	0.17	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.2	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Naphthalene	ND	2.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Styrene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH

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

Project Location: Vestal, Binghamton, NY

Sample Description:

Work Order: 25F2156

Date Received: 6/27/2025

Field Sample #: 4009-28-20250624

Sampled: 6/24/2025 11:45

Sample ID: 25F2156-25

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Tetrachloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.21	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,1,1-Trichloroethane	0.19	1.0	0.15	µg/L	1	J	SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,1,2-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Trichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,2,3-Trichloropropane	ND	2.0	0.23	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Vinyl Chloride	ND	2.0	0.22	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
m+p Xylene	ND	2.0	0.30	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	7/1/25	7/3/25 2:49	EEH
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	102		70-130				7/3/25 2:49			
Toluene-d8	96.2		70-130				7/3/25 2:49			
4-Bromofluorobenzene	98.8		70-130				7/3/25 2:49			

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25F2156-01 [4009-22-20250624]	B408542	5	5.00	07/01/25
25F2156-02 [4009-21-20250626]	B408542	5	5.00	07/01/25
25F2156-03 [4009-18-20250626]	B408542	0.5	5.00	07/01/25
25F2156-04 [DUPE-01]	B408542	5	5.00	07/01/25
25F2156-05 [4009-19-20250626]	B408542	5	5.00	07/01/25
25F2156-06 [4009-7-20250626]	B408542	5	5.00	07/01/25
25F2156-07 [4009-8-20250625]	B408542	1	5.00	07/01/25
25F2156-08 [4009-26-20250625]	B408542	5	5.00	07/01/25
25F2156-09 [4009-9-20250625]	B408542	5	5.00	07/01/25
25F2156-10 [4009-11-20250625]	B408542	5	5.00	07/01/25
25F2156-11 [4009-14-20250625]	B408542	5	5.00	07/01/25
25F2156-12 [4009-13-20250625]	B408542	5	5.00	07/01/25

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25F2156-13 [4009-27I-20250625]	B408549	5	5.00	07/01/25
25F2156-14 [4009-27D-20250625]	B408549	5	5.00	07/01/25
25F2156-15 [4009-27S-20250625]	B408549	5	5.00	07/01/25
25F2156-16 [4009-29D-20250625]	B408549	5	5.00	07/01/25
25F2156-17 [4009-29I-20250625]	B408549	5	5.00	07/01/25
25F2156-18 [DUPE-02]	B408549	5	5.00	07/01/25
25F2156-19 [4009-29S-20250625]	B408549	5	5.00	07/01/25
25F2156-20 [4009-16A-20250624]	B408549	5	5.00	07/01/25
25F2156-21 [4009-12-20250625]	B408549	5	5.00	07/01/25
25F2156-22 [4009-16-20250624]	B408549	5	5.00	07/01/25
25F2156-23 [4009-30-20250624]	B408549	5	5.00	07/01/25
25F2156-24 [4009-15-20250624]	B408549	5	5.00	07/01/25
25F2156-25 [4009-28-20250624]	B408549	5	5.00	07/01/25

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 B408542 - SW-846 5030B										
Blank (B408542-BLK1)				Prepared: 07/01/25 Analyzed: 07/02/25						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	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							L-04, V-05
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							

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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 B408542 - SW-846 5030B										
Blank (B408542-BLK1)										
Prepared: 07/01/25 Analyzed: 07/02/25										
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							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.9		µg/L	25.00		99.7	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.00		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.00		99.6	70-130			
LCS (B408542-BS1)										
Prepared: 07/01/25 Analyzed: 07/02/25										
Acetone	85.3	50	µg/L	100.0		85.3	70-160			†
Benzene	10.2	1.0	µg/L	10.00		102	70-130			
Bromochloromethane	9.46	1.0	µg/L	10.00		94.6	70-130			
Bromodichloromethane	10.0	0.50	µg/L	10.00		100	70-130			
Bromoform	9.14	1.0	µg/L	10.00		91.4	70-130			
Bromomethane	8.84	2.0	µg/L	10.00		88.4	40-160			†
2-Butanone (MEK)	81.4	20	µg/L	100.0		81.4	40-160		V-05	†
n-Butylbenzene	10.5	1.0	µg/L	10.00		105	70-130			
sec-Butylbenzene	9.88	1.0	µg/L	10.00		98.8	70-130			
tert-Butylbenzene	10.1	1.0	µg/L	10.00		101	70-130			
Carbon Disulfide	109	5.0	µg/L	100.0		109	70-130			
Carbon Tetrachloride	11.1	5.0	µg/L	10.00		111	70-130			
Chlorobenzene	11.4	1.0	µg/L	10.00		114	70-130			
Chlorodibromomethane	10.2	0.50	µg/L	10.00		102	70-130			
Chloroethane	9.75	2.0	µg/L	10.00		97.5	70-130			
Chloroform	10.0	2.0	µg/L	10.00		100	70-130			
Chloromethane	9.15	2.0	µg/L	10.00		91.5	40-160			†
Cyclohexane	9.23	5.0	µg/L	10.00		92.3	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.89	5.0	µg/L	10.00		88.9	70-130			
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.00		106	70-130			
1,2-Dichlorobenzene	11.0	1.0	µg/L	10.00		110	70-130			
1,3-Dichlorobenzene	10.9	1.0	µg/L	10.00		109	70-130			
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.00		110	70-130			
Dichlorodifluoromethane (Freon 12)	13.3	2.0	µg/L	10.00		133	40-160		V-20	†
1,1-Dichloroethane	10.1	1.0	µg/L	10.00		101	70-130			
1,2-Dichloroethane	9.57	1.0	µg/L	10.00		95.7	70-130			
1,1-Dichloroethylene	10.8	1.0	µg/L	10.00		108	70-130			
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.00		102	70-130			
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.00		100	70-130			
1,2-Dichloropropane	9.75	1.0	µg/L	10.00		97.5	70-130			
cis-1,3-Dichloropropene	9.09	0.50	µg/L	10.00		90.9	70-130			
trans-1,3-Dichloropropene	9.45	0.50	µg/L	10.00		94.5	70-130			
Ethylbenzene	10.8	1.0	µg/L	10.00		108	70-130			
2-Hexanone (MBK)	81.0	10	µg/L	100.0		81.0	70-160			†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.00		105	70-130			
p-Isopropyltoluene (p-Cymene)	9.90	1.0	µg/L	10.00		99.0	70-130			
Methyl Acetate	5.93	1.0	µg/L	10.00		59.3	* 70-130			V-05, L-04
Methyl tert-Butyl Ether (MTBE)	9.13	1.0	µg/L	10.00		91.3	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B408542 - SW-846 5030B										
LCS (B408542-BS1)										
Prepared: 07/01/25 Analyzed: 07/02/25										
Methyl Cyclohexane	9.94	1.0	µg/L	10.00		99.4	70-130			
Methylene Chloride	9.70	5.0	µg/L	10.00		97.0	70-130			
4-Methyl-2-pentanone (MIBK)	84.5	10	µg/L	100.0		84.5	70-160			†
Naphthalene	8.71	2.0	µg/L	10.00		87.1	40-130			†
n-Propylbenzene	10.2	1.0	µg/L	10.00		102	70-130			
Styrene	10.1	1.0	µg/L	10.00		101	70-130			
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.00		107	70-130			
Tetrachloroethylene	10.9	1.0	µg/L	10.00		109	70-130			
Toluene	10.5	1.0	µg/L	10.00		105	70-130			
1,2,3-Trichlorobenzene	9.24	5.0	µg/L	10.00		92.4	70-130			
1,2,4-Trichlorobenzene	9.61	1.0	µg/L	10.00		96.1	70-130			
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.00		103	70-130			
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.00		103	70-130			
Trichloroethylene	11.1	1.0	µg/L	10.00		111	70-130			
Trichlorofluoromethane (Freon 11)	12.2	2.0	µg/L	10.00		122	70-130			V-20
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.00		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7	1.0	µg/L	10.00		117	70-130			V-06
1,2,4-Trimethylbenzene	10.0	1.0	µg/L	10.00		100	70-130			
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.00		103	70-130			
Vinyl Chloride	11.7	2.0	µg/L	10.00		117	40-160			†
m+p Xylene	21.8	2.0	µg/L	20.00		109	70-130			
o-Xylene	10.8	1.0	µg/L	10.00		108	70-130			
Xylenes (total)	32.6	1.0	µg/L	30.00		109	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.00		101	70-130			
Surrogate: Toluene-d8	23.6		µg/L	25.00		94.3	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.00		99.4	70-130			
LCS Dup (B408542-BSD1)										
Prepared: 07/01/25 Analyzed: 07/02/25										
Acetone	83.8	50	µg/L	100.0		83.8	70-160	1.75	25	†
Benzene	9.60	1.0	µg/L	10.00		96.0	70-130	5.96	25	
Bromochloromethane	8.87	1.0	µg/L	10.00		88.7	70-130	6.44	25	
Bromodichloromethane	9.17	0.50	µg/L	10.00		91.7	70-130	8.66	25	
Bromoform	8.95	1.0	µg/L	10.00		89.5	70-130	2.10	25	
Bromomethane	8.16	2.0	µg/L	10.00		81.6	40-160	8.00	25	†
2-Butanone (MEK)	79.4	20	µg/L	100.0		79.4	40-160	2.39	25	V-05 †
n-Butylbenzene	10.0	1.0	µg/L	10.00		100	70-130	4.19	25	
sec-Butylbenzene	9.62	1.0	µg/L	10.00		96.2	70-130	2.67	25	
tert-Butylbenzene	9.35	1.0	µg/L	10.00		93.5	70-130	8.01	25	
Carbon Disulfide	102	5.0	µg/L	100.0		102	70-130	5.82	25	
Carbon Tetrachloride	10.5	5.0	µg/L	10.00		105	70-130	5.66	25	
Chlorobenzene	11.1	1.0	µg/L	10.00		111	70-130	3.11	25	
Chlorodibromomethane	9.55	0.50	µg/L	10.00		95.5	70-130	6.48	25	
Chloroethane	9.17	2.0	µg/L	10.00		91.7	70-130	6.13	25	
Chloroform	9.79	2.0	µg/L	10.00		97.9	70-130	2.22	25	
Chloromethane	8.72	2.0	µg/L	10.00		87.2	40-160	4.81	25	†
Cyclohexane	9.13	5.0	µg/L	10.00		91.3	70-130	1.09	25	
1,2-Dibromo-3-chloropropane (DBCP)	9.15	5.0	µg/L	10.00		91.5	70-130	2.88	25	
1,2-Dibromoethane (EDB)	9.79	0.50	µg/L	10.00		97.9	70-130	8.13	25	
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.00		106	70-130	3.42	25	
1,3-Dichlorobenzene	10.7	1.0	µg/L	10.00		107	70-130	2.04	25	
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.00		105	70-130	4.10	25	
Dichlorodifluoromethane (Freon 12)	12.7	2.0	µg/L	10.00		127	40-160	4.31	25	V-20 †

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B408542 - SW-846 5030B										
LCS Dup (B408542-BSI1)					Prepared: 07/01/25 Analyzed: 07/02/25					
1,1-Dichloroethane	9.81	1.0	µg/L	10.00		98.1	70-130	2.62	25	
1,2-Dichloroethane	9.14	1.0	µg/L	10.00		91.4	70-130	4.60	25	
1,1-Dichloroethylene	10.4	1.0	µg/L	10.00		104	70-130	2.93	25	
cis-1,2-Dichloroethylene	9.83	1.0	µg/L	10.00		98.3	70-130	3.60	25	
trans-1,2-Dichloroethylene	9.98	1.0	µg/L	10.00		99.8	70-130	0.200	25	
1,2-Dichloropropane	9.22	1.0	µg/L	10.00		92.2	70-130	5.59	25	
cis-1,3-Dichloropropene	9.09	0.50	µg/L	10.00		90.9	70-130	0.00	25	
trans-1,3-Dichloropropene	8.78	0.50	µg/L	10.00		87.8	70-130	7.35	25	
Ethylbenzene	10.7	1.0	µg/L	10.00		107	70-130	0.840	25	
2-Hexanone (MBK)	78.0	10	µg/L	100.0		78.0	70-160	3.72	25	†
Isopropylbenzene (Cumene)	10.0	1.0	µg/L	10.00		100	70-130	4.76	25	
p-Isopropyltoluene (p-Cymene)	9.29	1.0	µg/L	10.00		92.9	70-130	6.36	25	
Methyl Acetate	5.67	1.0	µg/L	10.00		56.7	* 70-130	4.48	25	L-04, V-05
Methyl tert-Butyl Ether (MTBE)	8.98	1.0	µg/L	10.00		89.8	70-130	1.66	25	
Methyl Cyclohexane	9.61	1.0	µg/L	10.00		96.1	70-130	3.38	25	
Methylene Chloride	9.20	5.0	µg/L	10.00		92.0	70-130	5.29	25	
4-Methyl-2-pentanone (MIBK)	81.7	10	µg/L	100.0		81.7	70-160	3.38	25	†
Naphthalene	8.65	2.0	µg/L	10.00		86.5	40-130	0.691	25	†
n-Propylbenzene	10.4	1.0	µg/L	10.00		104	70-130	2.23	25	
Styrene	10.1	1.0	µg/L	10.00		101	70-130	0.496	25	
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.00		102	70-130	4.89	25	
Tetrachloroethylene	10.3	1.0	µg/L	10.00		103	70-130	5.49	25	
Toluene	10.1	1.0	µg/L	10.00		101	70-130	3.60	25	
1,2,3-Trichlorobenzene	9.22	5.0	µg/L	10.00		92.2	70-130	0.217	25	
1,2,4-Trichlorobenzene	9.53	1.0	µg/L	10.00		95.3	70-130	0.836	25	
1,1,1-Trichloroethane	10.0	1.0	µg/L	10.00		100	70-130	2.36	25	
1,1,2-Trichloroethane	9.75	1.0	µg/L	10.00		97.5	70-130	5.78	25	
Trichloroethylene	10.6	1.0	µg/L	10.00		106	70-130	4.42	25	
Trichlorofluoromethane (Freon 11)	12.3	2.0	µg/L	10.00		123	70-130	0.572	25	V-20
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.00		108	70-130	2.44	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.00		110	70-130	6.43	25	V-06
1,2,4-Trimethylbenzene	9.43	1.0	µg/L	10.00		94.3	70-130	6.37	25	
1,3,5-Trimethylbenzene	10.3	1.0	µg/L	10.00		103	70-130	0.0972	25	
Vinyl Chloride	11.5	2.0	µg/L	10.00		115	40-160	1.99	25	†
m+p Xylene	21.6	2.0	µg/L	20.00		108	70-130	1.06	25	
o-Xylene	10.4	1.0	µg/L	10.00		104	70-130	3.76	25	
Xylenes (total)	32.0	1.0	µg/L	30.00		107	0-200	1.95		
Surrogate: 1,2-Dichloroethane-d4	25.8		µg/L	25.00		103	70-130			
Surrogate: Toluene-d8	23.7		µg/L	25.00		94.7	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.00		99.6	70-130			

Batch B408549 - SW-846 5030B

Blank (B408549-BLK1)					Prepared: 07/01/25 Analyzed: 07/02/25					
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							V-05
n-Butylbenzene	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 B408549 - SW-846 5030B										
Blank (B408549-BLK1)				Prepared: 07/01/25 Analyzed: 07/02/25						
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	1.0	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							L-04, V-05
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-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							

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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 B408549 - SW-846 5030B										
Blank (B408549-BLK1)										
Prepared: 07/01/25 Analyzed: 07/02/25										
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	24.6		µg/L	25.00		98.2	70-130			
Surrogate: Toluene-d8	23.5		µg/L	25.00		93.9	70-130			
Surrogate: 4-Bromofluorobenzene	24.2		µg/L	25.00		97.0	70-130			
LCS (B408549-BS1)										
Prepared: 07/01/25 Analyzed: 07/02/25										
Acetone	78.6	50	µg/L	100.0		78.6	70-160			†
Benzene	10.2	1.0	µg/L	10.00		102	70-130			
Bromochloromethane	9.38	1.0	µg/L	10.00		93.8	70-130			
Bromodichloromethane	9.79	0.50	µg/L	10.00		97.9	70-130			
Bromoform	9.06	1.0	µg/L	10.00		90.6	70-130			
Bromomethane	8.35	2.0	µg/L	10.00		83.5	40-160			†
2-Butanone (MEK)	72.7	20	µg/L	100.0		72.7	40-160			†
n-Butylbenzene	9.87	1.0	µg/L	10.00		98.7	70-130			V-05
sec-Butylbenzene	9.40	1.0	µg/L	10.00		94.0	70-130			
tert-Butylbenzene	9.36	1.0	µg/L	10.00		93.6	70-130			
Carbon Disulfide	105	5.0	µg/L	100.0		105	70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.00		106	70-130			
Chlorobenzene	11.4	1.0	µg/L	10.00		114	70-130			
Chlorodibromomethane	9.69	0.50	µg/L	10.00		96.9	70-130			
Chloroethane	8.72	2.0	µg/L	10.00		87.2	70-130			
Chloroform	9.91	2.0	µg/L	10.00		99.1	70-130			
Chloromethane	8.98	2.0	µg/L	10.00		89.8	40-160			†
Cyclohexane	9.52	5.0	µg/L	10.00		95.2	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.07	5.0	µg/L	10.00		80.7	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.00		104	70-130			
1,2-Dichlorobenzene	10.9	1.0	µg/L	10.00		109	70-130			
1,3-Dichlorobenzene	10.7	1.0	µg/L	10.00		107	70-130			
1,4-Dichlorobenzene	10.7	1.0	µg/L	10.00		107	70-130			
Dichlorodifluoromethane (Freon 12)	12.4	2.0	µg/L	10.00		124	40-160			V-20
1,1-Dichloroethane	10.1	1.0	µg/L	10.00		101	70-130			
1,2-Dichloroethane	9.63	1.0	µg/L	10.00		96.3	70-130			
1,1-Dichloroethylene	10.6	1.0	µg/L	10.00		106	70-130			
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.00		102	70-130			
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.00		101	70-130			
1,2-Dichloropropane	9.63	1.0	µg/L	10.00		96.3	70-130			
cis-1,3-Dichloropropene	9.44	0.50	µg/L	10.00		94.4	70-130			
trans-1,3-Dichloropropene	8.93	0.50	µg/L	10.00		89.3	70-130			
Ethylbenzene	10.8	1.0	µg/L	10.00		108	70-130			
2-Hexanone (MBK)	74.4	10	µg/L	100.0		74.4	70-160			†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.00		104	70-130			
p-Isopropyltoluene (p-Cymene)	9.42	1.0	µg/L	10.00		94.2	70-130			
Methyl Acetate	5.52	1.0	µg/L	10.00		55.2	* 70-130			V-05, L-04
Methyl tert-Butyl Ether (MTBE)	8.97	1.0	µg/L	10.00		89.7	70-130			
Methyl Cyclohexane	9.40	1.0	µg/L	10.00		94.0	70-130			
Methylene Chloride	9.13	5.0	µg/L	10.00		91.3	70-130			
4-Methyl-2-pentanone (MIBK)	81.8	10	µg/L	100.0		81.8	70-160			†
Naphthalene	8.53	2.0	µg/L	10.00		85.3	40-130			†
n-Propylbenzene	10.3	1.0	µg/L	10.00		103	70-130			
Styrene	10.4	1.0	µg/L	10.00		104	70-130			
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.00		102	70-130			

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 B408549 - SW-846 5030B										
LCS (B408549-BS1)										
Prepared: 07/01/25 Analyzed: 07/02/25										
Tetrachloroethylene	10.5	1.0	µg/L	10.00		105	70-130			
Toluene	10.4	1.0	µg/L	10.00		104	70-130			
1,2,3-Trichlorobenzene	8.90	5.0	µg/L	10.00		89.0	70-130			
1,2,4-Trichlorobenzene	9.26	1.0	µg/L	10.00		92.6	70-130			
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.00		103	70-130			
1,1,2-Trichloroethane	10.4	1.0	µg/L	10.00		104	70-130			
Trichloroethylene	10.9	1.0	µg/L	10.00		109	70-130			
Trichlorofluoromethane (Freon 11)	12.7	2.0	µg/L	10.00		127	70-130			V-20
1,2,3-Trichloropropane	10.8	2.0	µg/L	10.00		108	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6	1.0	µg/L	10.00		116	70-130			
1,2,4-Trimethylbenzene	9.85	1.0	µg/L	10.00		98.5	70-130			
1,3,5-Trimethylbenzene	10.0	1.0	µg/L	10.00		100	70-130			
Vinyl Chloride	11.7	2.0	µg/L	10.00		117	40-160			†
m+p Xylene	22.0	2.0	µg/L	20.00		110	70-130			
o-Xylene	11.2	1.0	µg/L	10.00		112	70-130			
Xylenes (total)	33.2	1.0	µg/L	30.00		111	0-200			
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.00		99.8	70-130			
Surrogate: Toluene-d8	23.1		µg/L	25.00		92.3	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.00		99.2	70-130			
LCS Dup (B408549-BSD1)										
Prepared: 07/01/25 Analyzed: 07/02/25										
Acetone	81.0	50	µg/L	100.0		81.0	70-160	3.08	25	†
Benzene	10.1	1.0	µg/L	10.00		101	70-130	0.688	25	
Bromochloromethane	9.23	1.0	µg/L	10.00		92.3	70-130	1.61	25	
Bromodichloromethane	10.0	0.50	µg/L	10.00		100	70-130	2.52	25	
Bromoform	9.07	1.0	µg/L	10.00		90.7	70-130	0.110	25	
Bromomethane	8.83	2.0	µg/L	10.00		88.3	40-160	5.59	25	†
2-Butanone (MEK)	75.4	20	µg/L	100.0		75.4	40-160	3.65	25	V-05 †
n-Butylbenzene	9.98	1.0	µg/L	10.00		99.8	70-130	1.11	25	
sec-Butylbenzene	9.89	1.0	µg/L	10.00		98.9	70-130	5.08	25	
tert-Butylbenzene	10.1	1.0	µg/L	10.00		101	70-130	7.41	25	
Carbon Disulfide	106	5.0	µg/L	100.0		106	70-130	0.370	25	
Carbon Tetrachloride	10.8	5.0	µg/L	10.00		108	70-130	2.52	25	
Chlorobenzene	11.5	1.0	µg/L	10.00		115	70-130	0.959	25	
Chlorodibromomethane	10.0	0.50	µg/L	10.00		100	70-130	3.35	25	
Chloroethane	9.48	2.0	µg/L	10.00		94.8	70-130	8.35	25	
Chloroform	10.1	2.0	µg/L	10.00		101	70-130	1.80	25	
Chloromethane	8.72	2.0	µg/L	10.00		87.2	40-160	2.94	25	†
Cyclohexane	9.34	5.0	µg/L	10.00		93.4	70-130	1.91	25	
1,2-Dibromo-3-chloropropane (DBCP)	8.29	5.0	µg/L	10.00		82.9	70-130	2.69	25	
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.00		104	70-130	0.00	25	
1,2-Dichlorobenzene	11.0	1.0	µg/L	10.00		110	70-130	0.912	25	
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.00		110	70-130	3.41	25	
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.00		104	70-130	2.75	25	
Dichlorodifluoromethane (Freon 12)	12.5	2.0	µg/L	10.00		125	40-160	0.161	25	V-20 †
1,1-Dichloroethane	10.2	1.0	µg/L	10.00		102	70-130	0.593	25	
1,2-Dichloroethane	9.94	1.0	µg/L	10.00		99.4	70-130	3.17	25	
1,1-Dichloroethylene	10.5	1.0	µg/L	10.00		105	70-130	1.33	25	
cis-1,2-Dichloroethylene	9.86	1.0	µg/L	10.00		98.6	70-130	3.10	25	
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.00		100	70-130	0.199	25	
1,2-Dichloropropane	9.61	1.0	µg/L	10.00		96.1	70-130	0.208	25	
cis-1,3-Dichloropropene	9.55	0.50	µg/L	10.00		95.5	70-130	1.16	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 B408549 - SW-846 5030B										
LCS Dup (B408549-BSD1)										
Prepared: 07/01/25 Analyzed: 07/02/25										
trans-1,3-Dichloropropene	8.97	0.50	µg/L	10.00		89.7	70-130	0.447	25	
Ethylbenzene	10.9	1.0	µg/L	10.00		109	70-130	1.01	25	
2-Hexanone (MBK)	78.4	10	µg/L	100.0		78.4	70-160	5.22	25	†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.00		105	70-130	1.44	25	
p-Isopropyltoluene (p-Cymene)	9.50	1.0	µg/L	10.00		95.0	70-130	0.846	25	
Methyl Acetate	5.66	1.0	µg/L	10.00		56.6	* 70-130	2.50	25	L-04, V-05
Methyl tert-Butyl Ether (MTBE)	8.74	1.0	µg/L	10.00		87.4	70-130	2.60	25	
Methyl Cyclohexane	9.72	1.0	µg/L	10.00		97.2	70-130	3.35	25	
Methylene Chloride	9.45	5.0	µg/L	10.00		94.5	70-130	3.44	25	
4-Methyl-2-pentanone (MIBK)	82.3	10	µg/L	100.0		82.3	70-160	0.609	25	†
Naphthalene	8.45	2.0	µg/L	10.00		84.5	40-130	0.942	25	†
n-Propylbenzene	10.4	1.0	µg/L	10.00		104	70-130	0.870	25	
Styrene	10.2	1.0	µg/L	10.00		102	70-130	2.43	25	
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.00		105	70-130	2.89	25	
Tetrachloroethylene	10.8	1.0	µg/L	10.00		108	70-130	2.63	25	
Toluene	10.9	1.0	µg/L	10.00		109	70-130	3.85	25	
1,2,3-Trichlorobenzene	9.48	5.0	µg/L	10.00		94.8	70-130	6.31	25	
1,2,4-Trichlorobenzene	9.44	1.0	µg/L	10.00		94.4	70-130	1.93	25	
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.00		104	70-130	1.06	25	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.00		106	70-130	2.38	25	
Trichloroethylene	11.4	1.0	µg/L	10.00		114	70-130	3.68	25	
Trichlorofluoromethane (Freon 11)	12.6	2.0	µg/L	10.00		126	70-130	1.03	25	V-20
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.00		105	70-130	2.81	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	1.0	µg/L	10.00		111	70-130	3.88	25	
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.00		103	70-130	4.17	25	
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.00		104	70-130	4.40	25	
Vinyl Chloride	11.6	2.0	µg/L	10.00		116	40-160	0.430	25	†
m+p Xylene	22.5	2.0	µg/L	20.00		112	70-130	2.34	25	
o-Xylene	11.2	1.0	µg/L	10.00		112	70-130	0.624	25	
Xylenes (total)	33.7	1.0	µg/L	30.00		112	0-200	1.35		
Surrogate: 1,2-Dichloroethane-d4	25.0		µg/L	25.00		100	70-130			
Surrogate: Toluene-d8	23.9		µg/L	25.00		95.4	70-130			
Surrogate: 4-Bromofluorobenzene	24.7		µg/L	25.00		98.9	70-130			
Matrix Spike (B408549-MS1)										
Source: 25F2156-15 Prepared: 07/01/25 Analyzed: 07/03/25										
Acetone	90.9	50	µg/L	100.0	7.37	83.5	70-130			
Benzene	10.4	1.0	µg/L	10.00	ND	104	70-130			
Bromochloromethane	8.86	1.0	µg/L	10.00	ND	88.6	70-130			
Bromodichloromethane	9.88	0.50	µg/L	10.00	ND	98.8	70-130			
Bromoform	9.69	1.0	µg/L	10.00	ND	96.9	70-130			
Bromomethane	7.29	2.0	µg/L	10.00	ND	72.9	70-130			
2-Butanone (MEK)	71.1	20	µg/L	100.0	ND	71.1	70-130			V-05
n-Butylbenzene	10.7	1.0	µg/L	10.00	ND	107	70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.00	ND	107	70-130			
tert-Butylbenzene	10.6	1.0	µg/L	10.00	ND	106	70-130			
Carbon Disulfide	112	5.0	µg/L	100.0	ND	112	70-130			
Carbon Tetrachloride	11.4	5.0	µg/L	10.00	ND	114	70-130			
Chlorobenzene	12.5	1.0	µg/L	10.00	ND	125	70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.00	ND	104	70-130			
Chloroethane	9.68	2.0	µg/L	10.00	ND	96.8	70-130			
Chloroform	9.93	2.0	µg/L	10.00	0.230	97.0	70-130			
Chloromethane	9.19	2.0	µg/L	10.00	ND	91.9	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B408549 - SW-846 5030B										
Matrix Spike (B408549-MS1)	Source: 25F2156-15			Prepared: 07/01/25 Analyzed: 07/03/25						
Cyclohexane	9.45	5.0	µg/L	10.00	ND	94.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.04	5.0	µg/L	10.00	ND	80.4	70-130			
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.00	ND	105	70-130			
1,2-Dichlorobenzene	11.6	1.0	µg/L	10.00	ND	116	70-130			
1,3-Dichlorobenzene	11.3	1.0	µg/L	10.00	ND	113	70-130			
1,4-Dichlorobenzene	11.1	1.0	µg/L	10.00	ND	111	70-130			
Dichlorodifluoromethane (Freon 12)	11.2	2.0	µg/L	10.00	ND	112	70-130			V-20
1,1-Dichloroethane	15.5	1.0	µg/L	10.00	5.29	102	70-130			
1,2-Dichloroethane	9.52	1.0	µg/L	10.00	ND	95.2	70-130			
1,1-Dichloroethylene	18.5	1.0	µg/L	10.00	7.68	108	70-130			
cis-1,2-Dichloroethylene	39.0	1.0	µg/L	10.00	30.5	84.6	70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.00	0.200	104	70-130			
1,2-Dichloropropane	10.2	1.0	µg/L	10.00	ND	102	70-130			
cis-1,3-Dichloropropene	9.19	0.50	µg/L	10.00	ND	91.9	70-130			
trans-1,3-Dichloropropene	8.96	0.50	µg/L	10.00	ND	89.6	70-130			
Ethylbenzene	11.9	1.0	µg/L	10.00	ND	119	70-130			
2-Hexanone (MBK)	72.8	10	µg/L	100.0	ND	72.8	70-130			
Isopropylbenzene (Cumene)	11.4	1.0	µg/L	10.00	ND	114	70-130			
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.00	ND	102	70-130			
Methyl Acetate	4.00	1.0	µg/L	10.00	ND	40.0 *	70-130			L-04, MS-09, V-05
Methyl tert-Butyl Ether (MTBE)	8.86	1.0	µg/L	10.00	ND	88.6	70-130			
Methyl Cyclohexane	10.5	1.0	µg/L	10.00	ND	105	70-130			
Methylene Chloride	9.23	5.0	µg/L	10.00	ND	92.3	70-130			
4-Methyl-2-pentanone (MIBK)	76.8	10	µg/L	100.0	ND	76.8	70-130			
Naphthalene	8.80	2.0	µg/L	10.00	ND	88.0	70-130			
n-Propylbenzene	11.6	1.0	µg/L	10.00	ND	116	70-130			
Styrene	11.1	1.0	µg/L	10.00	ND	111	70-130			
1,1,2,2-Tetrachloroethane	11.0	0.50	µg/L	10.00	ND	110	70-130			
Tetrachloroethylene	11.5	1.0	µg/L	10.00	ND	115	70-130			
Toluene	11.2	1.0	µg/L	10.00	ND	112	70-130			
1,2,3-Trichlorobenzene	9.41	5.0	µg/L	10.00	ND	94.1	70-130			
1,2,4-Trichlorobenzene	10.0	1.0	µg/L	10.00	ND	100	70-130			
1,1,1-Trichloroethane	111	1.0	µg/L	10.00	107	38.2 *	70-130			MS-19
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.00	ND	107	70-130			
Trichloroethylene	34.8	1.0	µg/L	10.00	23.1	117	70-130			
Trichlorofluoromethane (Freon 11)	13.4	2.0	µg/L	10.00	ND	134 *	70-130			MS-15, V-20
1,2,3-Trichloropropane	10.6	2.0	µg/L	10.00	ND	106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.4	1.0	µg/L	10.00	2.93	115	70-130			
1,2,4-Trimethylbenzene	10.6	1.0	µg/L	10.00	ND	106	70-130			
1,3,5-Trimethylbenzene	11.5	1.0	µg/L	10.00	ND	115	70-130			
Vinyl Chloride	12.0	2.0	µg/L	10.00	0.220	118	70-130			
m+p Xylene	24.1	2.0	µg/L	20.00	ND	121	70-130			
o-Xylene	12.0	1.0	µg/L	10.00	ND	120	70-130			
Xylenes (total)	36.1	1.0	µg/L	30.00	ND	120	0-200			
Surrogate: 1,2-Dichloroethane-d4	23.4		µg/L	25.00		93.4	70-130			
Surrogate: Toluene-d8	23.8		µg/L	25.00		95.1	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.00		102	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B408549 - SW-846 5030B										
Matrix Spike (B408549-MS2)	Source: 25F2156-21			Prepared: 07/01/25 Analyzed: 07/03/25						
Acetone	94.3	50	µg/L	100.0	10.8	83.5	70-130			
Benzene	11.0	1.0	µg/L	10.00	ND	110	70-130			
Bromochloromethane	9.29	1.0	µg/L	10.00	ND	92.9	70-130			
Bromodichloromethane	10.3	0.50	µg/L	10.00	ND	103	70-130			
Bromoform	10.2	1.0	µg/L	10.00	ND	102	70-130			
Bromomethane	8.53	2.0	µg/L	10.00	ND	85.3	70-130			
2-Butanone (MEK)	79.5	20	µg/L	100.0	ND	79.5	70-130			V-05
n-Butylbenzene	11.0	1.0	µg/L	10.00	ND	110	70-130			
sec-Butylbenzene	10.8	1.0	µg/L	10.00	ND	108	70-130			
tert-Butylbenzene	10.7	1.0	µg/L	10.00	ND	107	70-130			
Carbon Disulfide	117	5.0	µg/L	100.0	ND	117	70-130			
Carbon Tetrachloride	11.5	5.0	µg/L	10.00	ND	115	70-130			
Chlorobenzene	13.0	1.0	µg/L	10.00	ND	130	70-130			
Chlorodibromomethane	10.6	0.50	µg/L	10.00	ND	106	70-130			
Chloroethane	10.7	2.0	µg/L	10.00	ND	107	70-130			
Chloroform	10.6	2.0	µg/L	10.00	ND	106	70-130			
Chloromethane	9.42	2.0	µg/L	10.00	ND	94.2	70-130			
Cyclohexane	9.95	5.0	µg/L	10.00	ND	99.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.91	5.0	µg/L	10.00	ND	99.1	70-130			
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.00	ND	111	70-130			
1,2-Dichlorobenzene	11.9	1.0	µg/L	10.00	ND	119	70-130			
1,3-Dichlorobenzene	11.8	1.0	µg/L	10.00	ND	118	70-130			
1,4-Dichlorobenzene	11.6	1.0	µg/L	10.00	ND	116	70-130			
Dichlorodifluoromethane (Freon 12)	13.5	2.0	µg/L	10.00	ND	135 *	70-130			MS-15, V-20
1,1-Dichloroethane	11.2	1.0	µg/L	10.00	0.620	106	70-130			
1,2-Dichloroethane	9.83	1.0	µg/L	10.00	ND	98.3	70-130			
1,1-Dichloroethylene	11.6	1.0	µg/L	10.00	ND	116	70-130			
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.00	0.370	108	70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.00	ND	106	70-130			
1,2-Dichloropropane	10.3	1.0	µg/L	10.00	ND	103	70-130			
cis-1,3-Dichloropropene	9.51	0.50	µg/L	10.00	ND	95.1	70-130			
trans-1,3-Dichloropropene	8.90	0.50	µg/L	10.00	ND	89.0	70-130			
Ethylbenzene	12.2	1.0	µg/L	10.00	ND	122	70-130			
2-Hexanone (MBK)	82.8	10	µg/L	100.0	ND	82.8	70-130			
Isopropylbenzene (Cumene)	12.0	1.0	µg/L	10.00	ND	120	70-130			
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.00	ND	105	70-130			
Methyl Acetate	4.33	1.0	µg/L	10.00	ND	43.3 *	70-130			L-04, MS-09, V-05
Methyl tert-Butyl Ether (MTBE)	9.36	1.0	µg/L	10.00	ND	93.6	70-130			
Methyl Cyclohexane	10.7	1.0	µg/L	10.00	ND	107	70-130			
Methylene Chloride	9.74	5.0	µg/L	10.00	ND	97.4	70-130			
4-Methyl-2-pentanone (MIBK)	86.9	10	µg/L	100.0	ND	86.9	70-130			
Naphthalene	10.1	2.0	µg/L	10.00	ND	101	70-130			
n-Propylbenzene	11.6	1.0	µg/L	10.00	ND	116	70-130			
Styrene	11.5	1.0	µg/L	10.00	ND	115	70-130			
1,1,2,2-Tetrachloroethane	11.7	0.50	µg/L	10.00	ND	117	70-130			
Tetrachloroethylene	11.8	1.0	µg/L	10.00	ND	118	70-130			
Toluene	11.4	1.0	µg/L	10.00	ND	114	70-130			
1,2,3-Trichlorobenzene	10.3	5.0	µg/L	10.00	ND	103	70-130			
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.00	ND	104	70-130			
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.00	ND	110	70-130			
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.00	ND	109	70-130			
Trichloroethylene	12.6	1.0	µg/L	10.00	1.23	114	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 B408549 - SW-846 5030B										
Matrix Spike (B408549-MS2)	Source: 25F2156-21			Prepared: 07/01/25 Analyzed: 07/03/25						
Trichlorofluoromethane (Freon 11)	13.5	2.0	µg/L	10.00	ND	135 *	70-130			MS-15, V-20
1,2,3-Trichloropropane	12.1	2.0	µg/L	10.00	ND	121	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2	1.0	µg/L	10.00	ND	122	70-130			
1,2,4-Trimethylbenzene	10.9	1.0	µg/L	10.00	ND	109	70-130			
1,3,5-Trimethylbenzene	11.7	1.0	µg/L	10.00	ND	117	70-130			
Vinyl Chloride	11.8	2.0	µg/L	10.00	ND	118	70-130			
m+p Xylene	24.6	2.0	µg/L	20.00	ND	123	70-130			
o-Xylene	12.2	1.0	µg/L	10.00	ND	122	70-130			
Xylenes (total)	36.7	1.0	µg/L	30.00	ND	122	0-200			
Surrogate: 1,2-Dichloroethane-d4	22.7		µg/L	25.00		90.8	70-130			
Surrogate: Toluene-d8	23.5		µg/L	25.00		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.00		102	70-130			
Matrix Spike Dup (B408549-MSD1)	Source: 25F2156-15			Prepared: 07/01/25 Analyzed: 07/03/25						
Acetone	88.0	50	µg/L	100.0	7.37	80.7	70-130	3.21	30	
Benzene	11.0	1.0	µg/L	10.00	ND	110	70-130	6.25	30	
Bromochloromethane	9.45	1.0	µg/L	10.00	ND	94.5	70-130	6.44	30	
Bromodichloromethane	10.5	0.50	µg/L	10.00	ND	105	70-130	6.08	30	
Bromoform	9.84	1.0	µg/L	10.00	ND	98.4	70-130	1.54	30	
Bromomethane	8.79	2.0	µg/L	10.00	ND	87.9	70-130	18.7	30	
2-Butanone (MEK)	70.4	20	µg/L	100.0	ND	70.4	70-130	0.919	30	V-05
n-Butylbenzene	11.1	1.0	µg/L	10.00	ND	111	70-130	3.59	30	
sec-Butylbenzene	10.8	1.0	µg/L	10.00	ND	108	70-130	1.67	30	
tert-Butylbenzene	10.9	1.0	µg/L	10.00	ND	109	70-130	2.50	30	
Carbon Disulfide	117	5.0	µg/L	100.0	ND	117	70-130	4.37	30	
Carbon Tetrachloride	11.9	5.0	µg/L	10.00	ND	119	70-130	4.72	30	
Chlorobenzene	13.2	1.0	µg/L	10.00	ND	132 *	70-130	4.99	30	MS-24
Chlorodibromomethane	10.9	0.50	µg/L	10.00	ND	109	70-130	5.16	30	
Chloroethane	10.4	2.0	µg/L	10.00	ND	104	70-130	7.46	30	
Chloroform	11.0	2.0	µg/L	10.00	0.230	108	70-130	10.5	30	
Chloromethane	9.62	2.0	µg/L	10.00	ND	96.2	70-130	4.57	30	
Cyclohexane	10.2	5.0	µg/L	10.00	ND	102	70-130	7.63	30	
1,2-Dibromo-3-chloropropane (DBCP)	8.64	5.0	µg/L	10.00	ND	86.4	70-130	7.19	30	
1,2-Dibromoethane (EDB)	11.2	0.50	µg/L	10.00	ND	112	70-130	6.37	30	
1,2-Dichlorobenzene	12.3	1.0	µg/L	10.00	ND	123	70-130	5.84	30	
1,3-Dichlorobenzene	12.0	1.0	µg/L	10.00	ND	120	70-130	5.95	30	
1,4-Dichlorobenzene	11.8	1.0	µg/L	10.00	ND	118	70-130	6.01	30	
Dichlorodifluoromethane (Freon 12)	12.6	2.0	µg/L	10.00	ND	126	70-130	12.2	30	V-20
1,1-Dichloroethane	16.2	1.0	µg/L	10.00	5.29	109	70-130	4.42	30	
1,2-Dichloroethane	10.2	1.0	µg/L	10.00	ND	102	70-130	6.60	30	
1,1-Dichloroethylene	18.8	1.0	µg/L	10.00	7.68	111	70-130	1.72	30	
cis-1,2-Dichloroethylene	39.5	1.0	µg/L	10.00	30.5	89.7	70-130	1.30	30	
trans-1,2-Dichloroethylene	11.2	1.0	µg/L	10.00	0.200	110	70-130	5.22	30	
1,2-Dichloropropane	10.6	1.0	µg/L	10.00	ND	106	70-130	4.32	30	
cis-1,3-Dichloropropene	9.85	0.50	µg/L	10.00	ND	98.5	70-130	6.93	30	
trans-1,3-Dichloropropene	9.06	0.50	µg/L	10.00	ND	90.6	70-130	1.11	30	
Ethylbenzene	12.6	1.0	µg/L	10.00	ND	126	70-130	5.62	30	
2-Hexanone (MBK)	80.9	10	µg/L	100.0	ND	80.9	70-130	10.4	30	
Isopropylbenzene (Cumene)	12.2	1.0	µg/L	10.00	ND	122	70-130	6.01	30	
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.00	ND	105	70-130	2.51	30	
Methyl Acetate	4.21	1.0	µg/L	10.00	ND	42.1 *	70-130	5.12	30	L-04, MS-09, V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B408549 - SW-846 5030B										
Matrix Spike Dup (B408549-MSD1)	Source: 25F2156-15			Prepared: 07/01/25 Analyzed: 07/03/25						
Methyl tert-Butyl Ether (MTBE)	9.32	1.0	µg/L	10.00	ND	93.2	70-130	5.06	30	
Methyl Cyclohexane	11.2	1.0	µg/L	10.00	ND	112	70-130	6.56	30	
Methylene Chloride	9.89	5.0	µg/L	10.00	ND	98.9	70-130	6.90	30	
4-Methyl-2-pentanone (MIBK)	84.4	10	µg/L	100.0	ND	84.4	70-130	9.47	30	
Naphthalene	9.68	2.0	µg/L	10.00	ND	96.8	70-130	9.52	30	
n-Propylbenzene	11.9	1.0	µg/L	10.00	ND	119	70-130	2.46	30	
Styrene	11.5	1.0	µg/L	10.00	ND	115	70-130	3.44	30	
1,1,2,2-Tetrachloroethane	11.4	0.50	µg/L	10.00	ND	114	70-130	3.58	30	
Tetrachloroethylene	12.0	1.0	µg/L	10.00	ND	120	70-130	4.33	30	
Toluene	11.9	1.0	µg/L	10.00	ND	119	70-130	5.78	30	
1,2,3-Trichlorobenzene	10.5	5.0	µg/L	10.00	ND	105	70-130	10.9	30	
1,2,4-Trichlorobenzene	10.5	1.0	µg/L	10.00	ND	105	70-130	4.68	30	
1,1,1-Trichloroethane	110	1.0	µg/L	10.00	107	33.0	* 70-130	0.471	30	MS-19
1,1,2-Trichloroethane	11.1	1.0	µg/L	10.00	ND	111	70-130	4.22	30	
Trichloroethylene	33.8	1.0	µg/L	10.00	23.1	107	70-130	3.03	30	
Trichlorofluoromethane (Freon 11)	13.9	2.0	µg/L	10.00	ND	139	* 70-130	3.23	30	MS-15, V-20
1,2,3-Trichloropropane	11.6	2.0	µg/L	10.00	ND	116	70-130	8.19	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.9	1.0	µg/L	10.00	2.93	120	70-130	3.34	30	
1,2,4-Trimethylbenzene	10.9	1.0	µg/L	10.00	ND	109	70-130	2.80	30	
1,3,5-Trimethylbenzene	11.4	1.0	µg/L	10.00	ND	114	70-130	0.961	30	
Vinyl Chloride	12.3	2.0	µg/L	10.00	0.220	121	70-130	2.22	30	
m+p Xylene	24.5	2.0	µg/L	20.00	ND	123	70-130	1.73	20	
o-Xylene	12.5	1.0	µg/L	10.00	ND	125	70-130	4.15	30	
Xylenes (total)	37.1	1.0	µg/L	30.00	ND	124	0-200	2.54		
Surrogate: 1,2-Dichloroethane-d4	22.8		µg/L	25.00		91.2	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.00		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.00		100	70-130			
Matrix Spike Dup (B408549-MSD2)	Source: 25F2156-21			Prepared: 07/01/25 Analyzed: 07/03/25						
Acetone	89.7	50	µg/L	100.0	10.8	78.9	70-130	5.06	30	
Benzene	11.4	1.0	µg/L	10.00	ND	114	70-130	4.20	30	
Bromochloromethane	9.57	1.0	µg/L	10.00	ND	95.7	70-130	2.97	30	
Bromodichloromethane	10.7	0.50	µg/L	10.00	ND	107	70-130	4.10	30	
Bromoform	10.0	1.0	µg/L	10.00	ND	100	70-130	1.39	30	
Bromomethane	10.1	2.0	µg/L	10.00	ND	101	70-130	16.6	30	
2-Butanone (MEK)	73.6	20	µg/L	100.0	ND	73.6	70-130	7.67	30	V-05
n-Butylbenzene	11.2	1.0	µg/L	10.00	ND	112	70-130	2.07	30	
sec-Butylbenzene	11.3	1.0	µg/L	10.00	ND	113	70-130	3.89	30	
tert-Butylbenzene	11.2	1.0	µg/L	10.00	ND	112	70-130	4.46	30	
Carbon Disulfide	121	5.0	µg/L	100.0	ND	121	70-130	2.88	30	
Carbon Tetrachloride	11.8	5.0	µg/L	10.00	ND	118	70-130	3.00	30	
Chlorobenzene	13.3	1.0	µg/L	10.00	ND	133	* 70-130	2.44	30	MS-24
Chlorodibromomethane	10.7	0.50	µg/L	10.00	ND	107	70-130	1.22	30	
Chloroethane	10.9	2.0	µg/L	10.00	ND	109	70-130	1.76	30	
Chloroform	10.8	2.0	µg/L	10.00	ND	108	70-130	2.16	30	
Chloromethane	9.97	2.0	µg/L	10.00	ND	99.7	70-130	5.67	30	
Cyclohexane	10.2	5.0	µg/L	10.00	ND	102	70-130	2.58	30	
1,2-Dibromo-3-chloropropane (DBCP)	8.47	5.0	µg/L	10.00	ND	84.7	70-130	15.7	30	
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.00	ND	110	70-130	1.18	30	
1,2-Dichlorobenzene	12.1	1.0	µg/L	10.00	ND	121	70-130	1.67	30	
1,3-Dichlorobenzene	12.1	1.0	µg/L	10.00	ND	121	70-130	2.93	30	
1,4-Dichlorobenzene	12.2	1.0	µg/L	10.00	ND	122	70-130	4.80	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B408549 - SW-846 5030B										
Matrix Spike Dup (B408549-MSD2)		Source: 25F2156-21		Prepared: 07/01/25 Analyzed: 07/03/25						
Dichlorodifluoromethane (Freon 12)	13.2	2.0	µg/L	10.00	ND	132	*	70-130	2.62	30 MS-15, V-20
1,1-Dichloroethane	11.8	1.0	µg/L	10.00	0.620	112		70-130	5.64	30
1,2-Dichloroethane	9.70	1.0	µg/L	10.00	ND	97.0		70-130	1.33	30
1,1-Dichloroethylene	11.8	1.0	µg/L	10.00	ND	118		70-130	1.71	30
cis-1,2-Dichloroethylene	11.4	1.0	µg/L	10.00	0.370	110		70-130	1.86	30
trans-1,2-Dichloroethylene	11.3	1.0	µg/L	10.00	ND	113		70-130	6.56	30
1,2-Dichloropropane	10.8	1.0	µg/L	10.00	ND	108		70-130	4.55	30
cis-1,3-Dichloropropene	9.56	0.50	µg/L	10.00	ND	95.6		70-130	0.524	30
trans-1,3-Dichloropropene	8.93	0.50	µg/L	10.00	ND	89.3		70-130	0.337	30
Ethylbenzene	12.7	1.0	µg/L	10.00	ND	127		70-130	4.50	30
2-Hexanone (MBK)	74.0	10	µg/L	100.0	ND	74.0		70-130	11.2	30
Isopropylbenzene (Cumene)	12.0	1.0	µg/L	10.00	ND	120		70-130	0.418	30
p-Isopropyltoluene (p-Cymene)	11.1	1.0	µg/L	10.00	ND	111		70-130	5.93	30
Methyl Acetate	4.27	1.0	µg/L	10.00	ND	42.7	*	70-130	1.40	30 L-04, MS-09, V-05
Methyl tert-Butyl Ether (MTBE)	9.12	1.0	µg/L	10.00	ND	91.2		70-130	2.60	30
Methyl Cyclohexane	10.5	1.0	µg/L	10.00	ND	105		70-130	1.23	30
Methylene Chloride	9.96	5.0	µg/L	10.00	ND	99.6		70-130	2.23	30
4-Methyl-2-pentanone (MIBK)	82.1	10	µg/L	100.0	ND	82.1		70-130	5.64	30
Naphthalene	9.61	2.0	µg/L	10.00	ND	96.1		70-130	4.97	30
n-Propylbenzene	12.0	1.0	µg/L	10.00	ND	120		70-130	3.14	30
Styrene	11.9	1.0	µg/L	10.00	ND	119		70-130	3.51	30
1,1,2,2-Tetrachloroethane	11.7	0.50	µg/L	10.00	ND	117		70-130	0.256	30
Tetrachloroethylene	12.4	1.0	µg/L	10.00	ND	124		70-130	5.22	30
Toluene	11.8	1.0	µg/L	10.00	ND	118		70-130	3.71	30
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.00	ND	102		70-130	0.973	30
1,2,4-Trichlorobenzene	10.4	1.0	µg/L	10.00	ND	104		70-130	0.00	30
1,1,1-Trichloroethane	11.4	1.0	µg/L	10.00	ND	114		70-130	3.49	30
1,1,2-Trichloroethane	11.2	1.0	µg/L	10.00	ND	112		70-130	2.89	30
Trichloroethylene	13.6	1.0	µg/L	10.00	1.23	124		70-130	7.25	30
Trichlorofluoromethane (Freon 11)	13.7	2.0	µg/L	10.00	ND	137	*	70-130	1.61	30 MS-15, V-20
1,2,3-Trichloropropane	11.4	2.0	µg/L	10.00	ND	114		70-130	6.30	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1	1.0	µg/L	10.00	ND	121		70-130	0.495	30
1,2,4-Trimethylbenzene	11.3	1.0	µg/L	10.00	ND	113		70-130	4.24	30
1,3,5-Trimethylbenzene	11.8	1.0	µg/L	10.00	ND	118		70-130	1.19	30
Vinyl Chloride	12.7	2.0	µg/L	10.00	ND	127		70-130	7.85	30
m+p Xylene	25.3	2.0	µg/L	20.00	ND	126		70-130	2.81	20
o-Xylene	12.6	1.0	µg/L	10.00	ND	126		70-130	3.71	30
Xylenes (total)	37.9	1.0	µg/L	30.00	ND	126		0-200	3.11	
Surrogate: 1,2-Dichloroethane-d4	22.9		µg/L	25.00		91.5		70-130		
Surrogate: Toluene-d8	23.7		µg/L	25.00		94.8		70-130		
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.00		99.1		70-130		

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

CERTIFICATIONS

Certified Analyses included in this Report

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,2,3-Trichlorobenzene	ME,NH,VA,NY,NJ
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY,NJ
1,1,1-Trichloroethane	CT,ME,NH,VA,NY,NJ
1,1,2-Trichloroethane	CT,ME,NH,VA,NY,NJ
Trichloroethylene	CT,ME,NH,VA,NY,NJ
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY,NJ
1,2,3-Trichloropropane	ME,NH,VA,NY,NJ
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY,NJ
1,2,4-Trimethylbenzene	ME,VA,NY,NJ
1,3,5-Trimethylbenzene	ME,VA,NY,NJ
Vinyl Chloride	CT,ME,NH,VA,NY,NJ
m+p Xylene	CT,ME,NH,VA,NY,NJ
o-Xylene	CT,ME,NH,VA,NY,NJ
Xylenes (total)	ME,NY,NJ

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NJ	New Jersey DEP	MA007 NELAP	06/30/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025



Phone: 413-525-2332
39 Spruce St
East Longmeadow, MA 01028

<https://www.pacelabs.com/>

Doc # 380 Rev 1_03242017

GA MM 0.26/27/25 110

Contact: <https://www.pacelabs.com/contact-us/contact-environmental-science/>

Consultant: LaBella Associates

Consultant Address: 300 State Street Rochester NY

Consultant Phone: (585) 454-6110

Vestal Water Supply

Project Location: Vestal Binghamton NY

Callout Number: 15271

Site/Spill Number: 704009A

Project Manager: Payson Long

Pace Analytical Quote Name/Number:

Invoice Recipient: Payson Long

Sampled By: Olivia Hoffman

CHAIN OF CUSTODY RECORD (New York)

Requested Turnaround Time:
DEC Standard 30-calendar day ☒
Due Date: 21 H
Format: PDF ☐ EXCEL ☐
Other:
CLP Like (Level 4) Data Pkg Required: ☐
Email To: Payson.Long@dec.ny.gov
mpelycharky@labellaPC.com
Fax To #:

ANALYSIS REQUESTED (Circle Requested Analytes/Concentration Unit)									
1-Day ☐	2-Day ☐	3-Day ☐	4-Day ☐	5-Day ☐	10-Day ☐	8270: DER TCL / CP-51	1,4-Dioxane SIM 8082 PCBs	8081 Pesticide 8151 Herbicide	TCLP TCL 8 Metals
									PFAS 1633 PFAS 137 ID

of Containers
Preservation Code
Container Code
☐ Field Filtered
☐ Lab to Filter
☐ Field Filtered
☐ Lab to Filter

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8260: DER TCL / CP-51	1,4-Dioxane SIM 8082 PCBs	8081 Pesticide 8151 Herbicide	TCLP TCL 8 Metals	PFAS 1633 PFAS 137 ID
21	4009-12-20250625	6/25/25	0745			GW		X				
22	4009-16-20250624	6/24/25	1550			GW		X				
23	4009-30-20250624	6/24/25	1430			GW		X				
24	4009-15-20250624	6/24/25	1220			GW		X				
25	4009-28-20250624	6/24/25	1145			GW		X				

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:
4009-12-20250625 = MS/MSD
Include CAT B deliverables

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) *Olivia Hoffman* Date/Time: 6/26/25 13:20
Received by: (signature) *Cory Stank Pace* Date/Time: 6/24/25 13:20
Relinquished by: (signature) *Cory Stank Pace* Date/Time: 6/26/25 17:17
Received by: (signature) *Walter Pace* Date/Time: 6/24/25 17:17
Relinquished by: (signature) *Walter Pace* Date/Time: 6/24/25 17:17
Received by: (signature) *Walter Pace* Date/Time: 6/24/25 17:17

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brookfield ☐ MRTA

Enhanced Data Package
☒ NYSDEC EQUIS EDD
☐ EQUIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
CAT B
HELAC and AIHA-LAP, LLC Accredited

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

GA MM 0.26/27/25 110
6-26-25 18:42
Ronell B. Bishop
Table of Contents

	DC# Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

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

Client LaBella Associates
 Project W Vestal Water Supply
 MCP/RCP Required N/A
 Deliverable Package Requirement CAT B
 Location Vestal, Binghamton NY
 PWSID# (When Applicable) N/A
 Arrival Method:
 Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
 Received By / Date / Time ER / 6-28-25 / 0350
 Back-Sheet By / Date / Time RZ / 6-28-25 / 1329
 Temperature Method gln # 6
 WV samples: Yes (see note*) ☒ No (follow normal procedure)
 Temp < 6° C Actual Temperature 0.2
 Rush Samples: Yes ☒ No ☐ Notify
 Short Hold: Yes ☒ No ☐ Notify

	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.

Notes regarding Samples/COC outside of SOP:

Dupe - 01 received with one
broken vial

Effective Date: 06/11/2024

Sample		Soils Jars (Circle Amb/Clear)	Ambers				Plastics								VOA Vials	Other / Fill in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Effective Date: 06/11/2024

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