NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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MEMORANDUM

TO: File

FROM: Jared Donaldson, Project Manager

SUBJECT: **Groundwater Monitoring November 2024**

Site Name: Levey Property **Site Code:** 152201
Address: 1305 South Strong Avenue
City: Copiague **County:** Suffolk

DATE: November 21, 2025

Background

The Levey Property site is located in Copiague, Town of Brookhaven, Suffolk County; see Figure 1. Groundwater monitoring was performed for the above-referenced site on August 20 and 21, 2024 by the New York State Department of Environmental Conservation (Department). Nine off-site monitoring wells were sampled to fulfill interim site management requirements as set forth in the February 2016 Record of Decision (ROD) for Operable Unit 01: Remedial Program- Onsite, and the March 2013 ROD for Operable Unit Number 02: Levey Property Off-site. A monitoring well location map is provided in Figure 2. Site management of the two OUs is still in the process of being combined into one site-wide site management document.

The primary contaminants of concern in the on-site and off-site groundwater are volatile organic compounds (VOCs). A source area of VOCs was identified in an on-site cesspool which contained soil with significant levels of 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE) and 1,1,2-trichlorotriflouroethane (Freon 113) along with lesser levels of tetrachloroethene (PCE), cis-1,2-dichloroethene (cis-DCE) 1,1-dichloroethane (1,1-DCA) and numerous other VOCs at levels exceeding Standards, Criteria and Guidance (SCGs) values. The cesspool was completely excavated and removed during the IRM removal action in November 2014. Approximately 20 tons of contaminated soil was removed from the cesspool along with most of the concrete blocks comprising the cesspool structure. The waste was disposed of at a Department approved hazardous waste landfill. With the source area removed, it is expected that site-related VOC levels in groundwater will diminish with time. Additionally, all wells associated with the site were sampled for PFAS compounds to document regional conditions.

Details and results of the 2024 groundwater monitoring activities are presented below.

Groundwater Monitoring Procedures

Each monitoring well was purged and sampled using standard Low Flow sampling techniques. A peristaltic pump was used for well purging and sampling. The target purge flow rate was 200-300 milliliters per minute (mL/min). A Horiba groundwater quality meter with flow though cell was used to monitor various groundwater parameters, such as temperature, pH, electrical conductivity, turbidity, dissolved oxygen (DO) and oxygen reduction potential (ORP). Each well was purged until the groundwater parameters stabilized, indicating that the groundwater sample was representative of aquifer conditions. Monitoring well purge logs are included in Appendix A. Each well has dedicated sample tubing inside the well casing which was attached to the peristaltic pump and returned to the well when purging and sampling were complete. No decontamination of sampling equipment was necessary. The peristaltic pump utilizes a short length of disposable flex-tubing to attach to the well tubing on the input side of the pump and to the flow through cell on the output side. The flex-tubing was replaced with clean tubing after each well was sampled.

At each well the depth to static water level was measured using a water interface probe. Measurements were recorded to the nearest 0.01 foot. These measurements are included in Table 1, along with the monitoring well construction details.

Groundwater samples were collected and managed in accordance with the Field Activities Plan (FAP) attached in Appendix B. Quality assurance/ quality control (QA/QC) samples were also obtained in accordance with the FAP. A field duplicate sample of monitoring well MW-1D was taken along with a trip blank, equipment blank, and appropriate matrix spike and matrix spike duplicate (MS/MSD) samples to assess the quality of the data and satisfy the requirements for Category B analytical results. The samples were immediately labeled after collection and stored on ice until their pickup in the field by Test America Laboratories, Inc., a New York State Department of Health NELAP-certified laboratory. All samples were analyzed for Target Compound List (TCL) VOCs by EPA method 8260C. The laboratory groundwater results are included in Table 2.

Site-Wide Inspection

The on-site fenceline remains intact as does the former building's slab. Staff did not enter the site proper since only off-site wells were sampled during this event. Off-site monitoring wells appeared to be in good condition with all caps and dedicated tubing present and undamaged.

The photo log in Appendix C shows the well conditions along with additional photos from the sampling event.

Deviations from the Field Activities Plan

Sampling was completed as planned; no on-site samples were collected per the 2021 report conclusions.

Groundwater Levels

Groundwater levels were collected on August 20 and 21, 2024. The water table was found at an approximate depth of 9.59 feet below ground surface (ft bg), slightly lower than the approximate depth of 10.3 ft bg in March 2021. This slight difference in groundwater elevation is attributable to seasonal fluctuation as well as measuring depths to water in only off-site wells in 2024.

Groundwater flow at the site is to the south, consistent with previous sampling events. Groundwater elevation and monitoring well construction details are displayed in Table 1. Groundwater elevations and flow direction are depicted in Figure 3.

Groundwater Sample Results

Fourteen VOCs were detected during groundwater sampling – up from twelve detected in 2021. Six VOCs were detected above SCGs the same as in 2021. It was noted that acetone was detected in 7 of the 9 wells sampled and was above SCGs in 3 of the wells with a maximum detection of 430 parts per billion (ppb). Acetone has not historically been a contaminant of concern at the site and the widespread presence in addition to high levels seems to point to potential lab contamination. Acetone results will be discounted from the discussion, but special attention will be paid to the presence of acetone in the next round of sampling results.

Three off-site multichannel monitoring wells were sampled for VOCs on August 20 and 21, 2024 (previously sampled November 2021). Each well contains separate channels screened at shallow, intermediate and deep intervals for a total of nine wells. The 2024 sampling event was the ninth round of sampling for these wells and the sampling regime from previous years was repeated.

The highest VOC detections are as follows: trichloroethene (TCE) at 26 ppb; cis-1,2-dichloroethene (cis-DCE) at 13 ppb; and tetrachloroethene (PCE) at 23 ppb. Three of the nine had exceedances of groundwater standards for one or more of the above VOCs: MW-OFF3-CH6, MW-OFF5-CH2, and MW-OFF5-CH4.

Sampling confirms a continued decreasing trend of TVOC levels in groundwater with a few exceptions. Total VOCs (TVOC) decreased year-over-year (YoY) in six of the nine wells sampled. Total VOC levels slightly increased in wells MW-OFF4-CH4, MW-OFF5-CH4, and MW-OFF5-CH6. Of all the wells that displayed increased total VOC levels, only MW-OFF5-CH4 had exceedances of SCGs for any individual VOC. Discounting acetone, SCG exceedances for VOCs only occurred in three wells: MW-OFF3-CH6, MW-OFF5-CH2, and MW-OFF5-CH4.

Most VOC exceedances continue to be in the deepest interval (60-70 ft. bgs) in well MW-OFF3-CH6, where five VOCs were detected above their respective SCGs: 1,2-dichloropropane (at 1.4 ppb), PCE (at 23 ppb), TCE (at 26 ppb), Chlorobenzene (at 5.8 ppb), and cis-1,2-dichloroethylene (at 13 ppb). The SCG for all of the above VOCs is 5 ppb with the exception of 1,2-dichloropropane with a SCG of 1 ppb. Total VOCs in MW-OFF3-CH6 decreased to 79.18 ppb, down from 100.1 ppb in 2021. Three VOCs were detected above their respective SCGs in MW-OFF5-CH2: PCE (at 5.9 ppb), TCE (at 5.4 ppb), and cis-1,2-dichloroethylene (at 10 ppb).

1,2-dichloropropane was detected just above SCGs (at 1.2 ppb) in MW-Off5-CH4.

VOCs were not detected above standards in any of the MW-OFF4 wells or the deepest MW-OFF5 well.

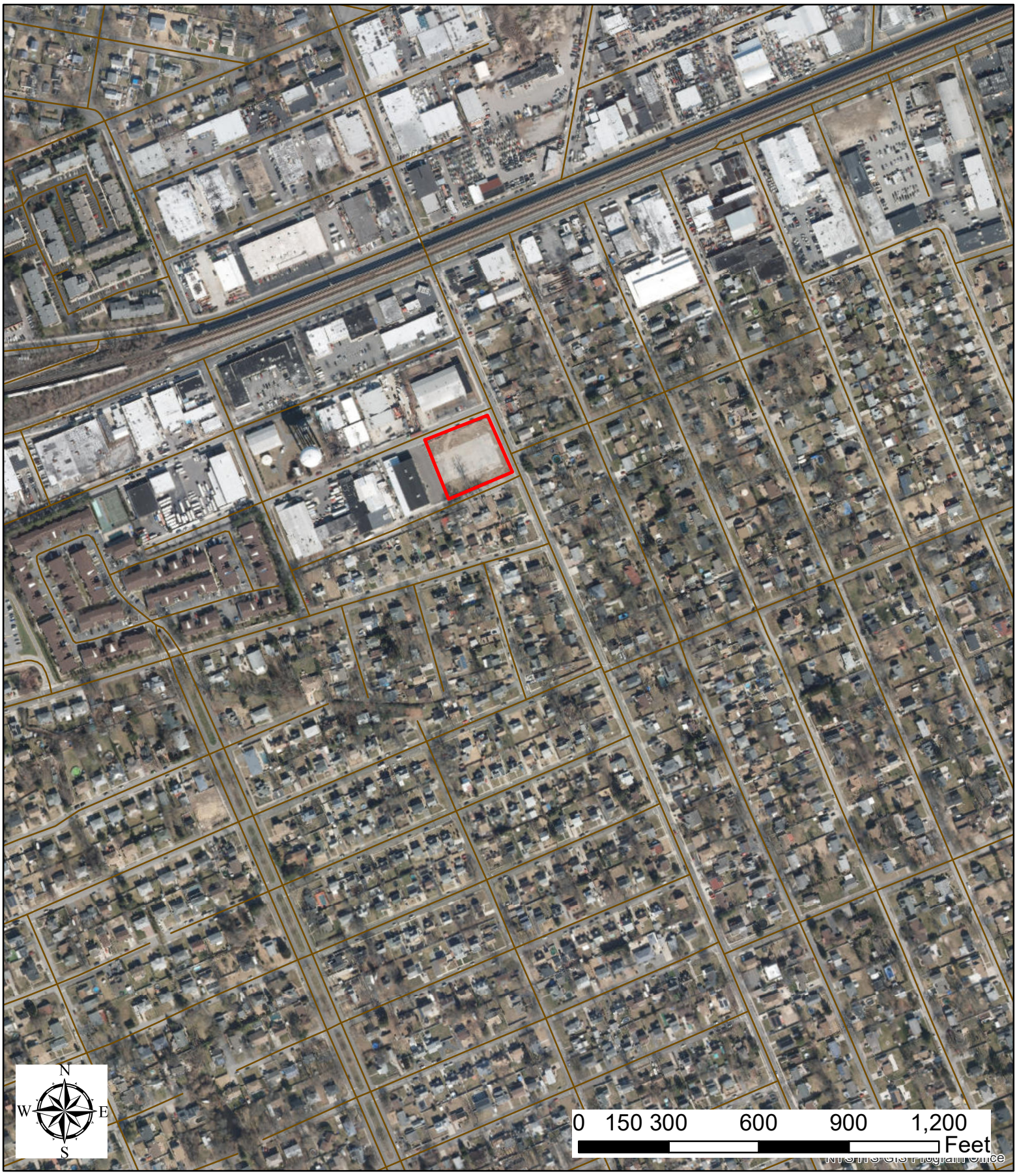
The analytical results for off-site VOCs are presented in Table 2. Figure 4 illustrates the VOC results for the off-site monitoring wells.

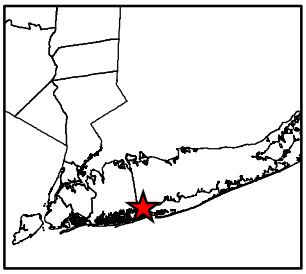
Summary and Recommendations

With the 2014 removal of VOC-contaminated soil from an on-site cesspool, annual sampling has documented that site-related VOC levels in groundwater are declining both on-site and off-site. In 2021, the decision was made to discontinue on-site well monitoring. The off-site 2024 monitoring results indicate that the downward trend of VOCs continues, with a few wells displaying remaining exceedances of SCGs for contaminants of concern. An additional round of off-site groundwater monitoring should be conducted in late 2025 or early 2026 to continue assessing the degradation of VOCs. Additionally, particular attention should be given to the acetone levels in future sampling results.

The laboratory data package is attached in Appendix D. No DUSR was completed due to low number of samples and chemist workloads.
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Figures



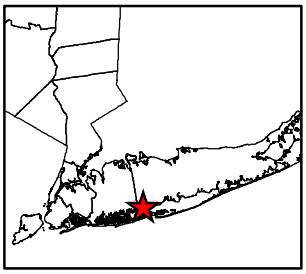


Site No. 152201 - Levey Property
Site Location Map
1305 South Strong Avenue, Copiague, NY
Town of Babylon, Suffolk County, NY
Figure 1

Legend

- Local Streets
- Levey Site Border

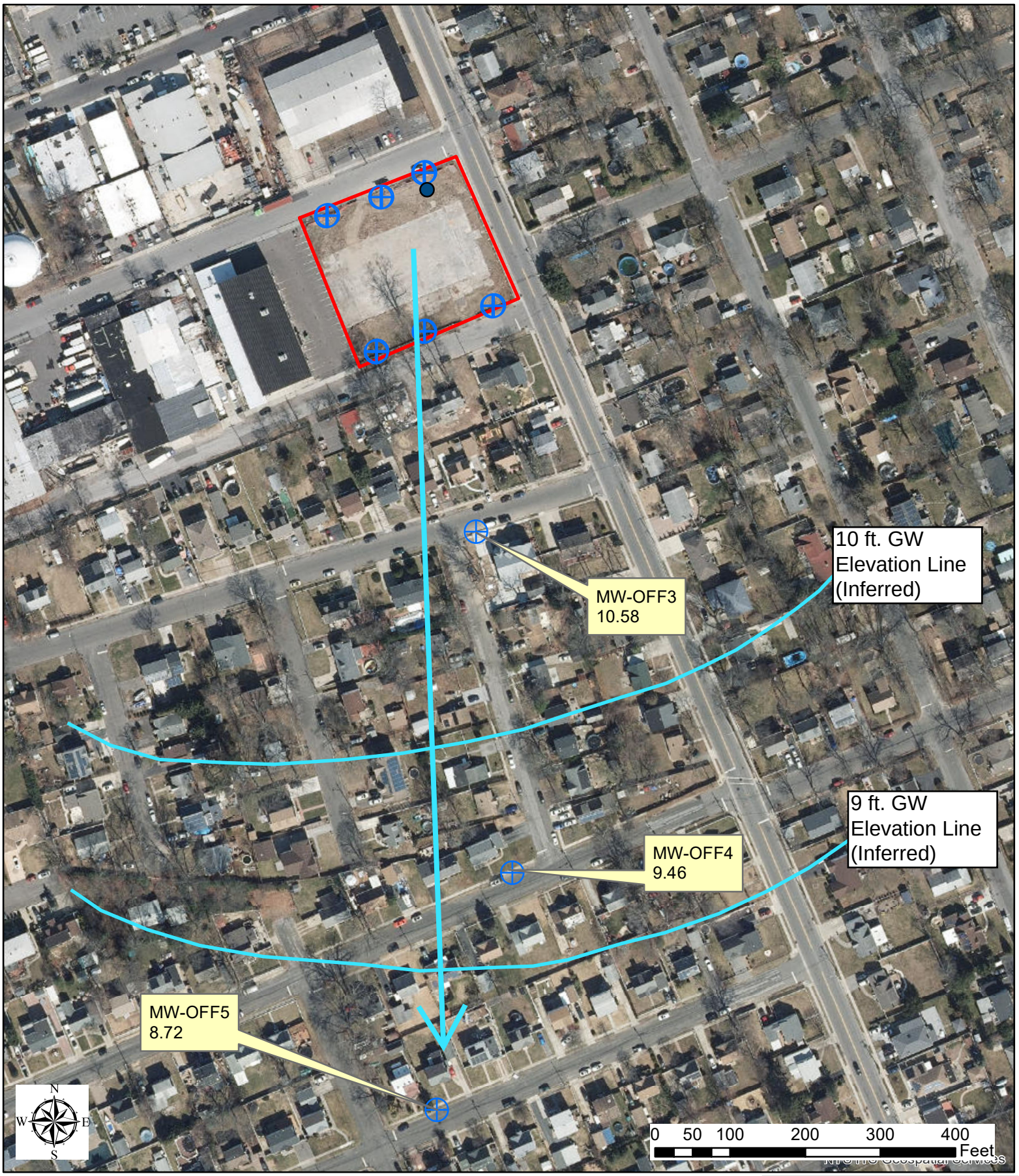


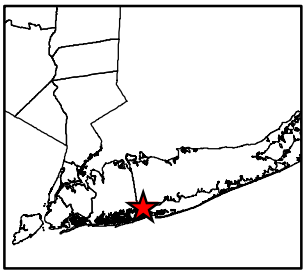


Site No. 152201 - Levey Property
Monitoring Well Locations
1305 South Strong Avenue, Copiague, NY
Town of Babylon, Suffolk County, NY
Figure 2

Legend

- Cesspool - Source of VOC Contamination - Excavated 11/17/2014
- Monitoring Well
- Levey_Site_Border





Site No. 152201 - Levey Property
Groundwater Table Elevations
1305 South Strong Avenue, Copiague, NY
Town of Babylon, Suffolk County, NY
Figure 3

Legend

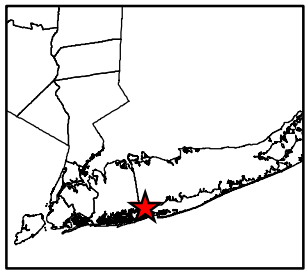
- Cesspool - Source of VOC Contamination - Excavated 11/17/2014
- Monitoring Well
- Levey_Site_Border



	Well ID	MW-OFF3(CH4)	MW-OFF3(CH5)	MW-OFF3(CH6)
	Depth (feet)	(8.73-18)	(40-50)	(60-70)
Sampling Date	NYS Criteria	8/20/2024	8/20/2024	8/20/2024
VOA-8260C-WATER	ug/L	Result (ug/L)	Result (ug/L)	Result (ug/L)
Chlorobenzene	5	ND	ND	5.8
Tetrachloroethene (PCE)	5	2.1	0.32	23
cis-1,2-Dichlorethene	5	1.6	0.3	13
tert-Butyl Methyl Ether	5	ND	ND	0.36
Acetone	50	3	3.9	430
1,1,1-Trichloroethane (TCA)	5	ND	ND	0.37
1,1-Dichloroethane	5	ND	ND	4.4
1,1-Dichloroethene	5	ND	ND	2
Dichlorodifluoromethane	NA	ND	ND	2.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	ND	ND	0.35
1,2-Dichloropropane	1	ND	ND	1.4
Trichloroethene (TCE)	5	0.69	ND	26
Total VOCs	NA	7.39	4.52	509.18
Historic Total VOCs				
11/17/2021	NA	12.6	5.84	100.01
3/28/2019	NA	7.04	5.95	104.32
8/23/2018	NA	3.25	0	113.7
7/13/2017	NA	4.35	0.94	119.24
6/29/2016	NA	2.42	0.52	177.98
6/10/2015	NA	4.38	0.96	203.6
12/27/2011	NA	278	NS	240.4
8/17/2010	NA	99	4.5	274.6

	Well ID	MW-OFF4(CH2)	MW-OFF4(CH4)	MW-OFF4(CH6)
	Depth (feet)	(10-20)	(55-65)	(70-80)
Sampling Date	NYS Criteria	8/20/2024	8/20/2024	8/20/2024
VOA-8260C-WATER	ug/L	Result (ug/L)	Result (ug/L)	Result (ug/L)
Tetrachloroethene (PCE)	5	1.7	0.5	0.22
cis-1,2-Dichlorethene	5	ND	ND	0.43
tert-Butyl Methyl Ether	5	0.21	ND	0.34
Acetone	50	44	4.8	120
1,1-Dichloroethane	5	ND	ND	0.15
Trichloroethene (TCE)	5	ND	0.31	0.18
Total VOCs	NA	45.97	5.61	121.32
Historic Total VOCs				
11/17/2021	NA	2.36	0.72	5.48
3/28/2019	NA	1.27	0	44.26
8/23/2018	NA	7.3	1.25	53.71
7/13/2017	NA	18.4	1.01	58.16
6/29/2016	NA	12	1.59	75.06
6/10/2015	NA	16.7	3	81.9
12/27/2011	NA	24.5	NS	19.9
8/17/2010	NA	270.2	60.8	49.3

	Well ID	MW-OFF5(CH2)	MW-OFF5(CH4)	MW-OFF5(CH6)
	Depth (feet)	(10-20)	(55-65)	(80-90)
Sampling Date	NYS Criteria	8/21/2024	8/21/2024	8/21/2024
VOA-8260C-WATER	ug/L	Result (ug/L)	Result (ug/L)	Result (ug/L)
Tetrachloroethene (PCE)	5	5.9	0.78	1
cis-1,2-Dichlorethene	5	10	0.32	0.29
Acetone	50	ND	170	ND
Chloroform	7	0.33	0.26	ND
Chloromethane (Methyl Chloride)	5	ND	1.2	0.93
1,2-Dichloropropane	1	ND	1.2	0.98
Trichloroethene (TCE)	5	5.4	0.34	ND
Total VOCs	NA	21.63	172.3	3.2
Historic Total VOCs				
11/17/2021	NA	168.93	1.69	0.71
3/28/2019	NA	192	1.78	0.54
8/23/2018	NA	36.6	1.88	0
7/13/2017	NA	0.77	3.3	0.22
6/29/2016	NA	0.91	6.33	2.59
6/10/2015	NA	1.66	9.73	1.6
12/27/2011	NA	4	NS	2
8/17/2010	NA	5.4	35.7	1



Site No. 152201 - Levey Property
VOC Detections Off-site
1305 South Strong Avenue, Copiague, NY
Town of Babylon, Suffolk County, NY
Figure 4

Legend

- Cesspool - Source of VOC Contamination - Excavated 11/17/2014
- Monitoring Well
- Levey_Site_Border

Tables

Table 1

Groundwater Sampling at the
Levey Property, DEC Site No. 152201
1305 S. Strong Ave, Copiague, NY 11735
August 20-21, 2024

Table 1 - Groundwater Elevations and Monitoring Well Data- August 20-21 2024

Well Location	Well ID	Sample ID	Screen Interval (feet BTOC)	Top of Casing Elevation (feet MSL)	Depth to Water (feet BTOC)	Groundwater Elevation (feet MSL)	Well Depth (feet BTOC)	Analysis VOC (EPA 8260C)
Off-site (downgradient)	MW-OFF3-CH4	20240820 OFF3-CH4	8-18	19.31	8.73	10.58	18	X
Off-site (downgradient)	MW-OFF3-CH5	20240820 OFF3-CH5	40-50	19.31	8.73	10.58	50	X
Off-site (downgradient)	MW-OFF3-CH6	20240820 OFF3-CH6	60-70	19.31	8.73	10.58	70	X
Off-site (downgradient)	MW-OFF4-CH2	20240820 OFF4-CH2	10-20	17.33	7.87	9.46	10	X
Off-site (downgradient)	MW-OFF4-CH4	20240820 OFF4-CH4	55-65	17.33	7.87	9.46	65	X
Off-site (downgradient)	MW-OFF4-CH6	20240820 OFF4-CH6	70-80	17.33	7.87	9.46	80	X
Off-site (downgradient)	MW-OFF5-CH2	20240821 OFF5-CH2	10-20	16.03	7.31	8.72	20	X
Off-site (downgradient)	MW-OFF5-CH4	20240821 OFF5-CH4	55-65	16.03	7.31	8.72	65	X
Off-site (downgradient)	MW-OFF5-CH6	20240821 OFF5-CH6	80-90	16.03	7.31	8.72	90	X
	MW-OFF3-CH5	Dup1						X
	MW-OFF5-CH6	MS/MSD						X

-- Not Measured

BTOC - Below Top of Casing

MSL- Mean Sea Level

Dup1- Blind field duplicate sample, part of QA/QC

MS/MSD- Matrix Spike/ Matrix Spike Duplicate. Part of QA/QC

Table 2 - VOCs in Groundwater
152201 - Levey Property

	Location	MW-OFF3(CH4)			MW-OFF3(CH5)			MW-OFF3(CH6)			MW-OFF4(CH2)			MW-OFF4	
	Sample Name	20240820 OFF3-CH4			20240820 OFF3-CH5			20240820 OFF3-CH6			20240820 OFF4-CH2			20240820 O	
	Sample Date	20 Aug 2024			20 Aug 2024			20 Aug 2024			20 Aug 2024			20 Aug 2	
	Start Depth	8.73			40			60			10			55	
	End Depth	18			50			70			20			65	
	Depth Unit	ft			ft			ft			ft			ft	
CAS RN	Chemical Name	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual
100-41-4	Ethylbenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
100-42-5	Styrene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U
103-65-1	N-Propylbenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
104-51-8	N-Butylbenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
106-46-7	1,4-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U
107-06-2	1,2-Dichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	10	U	ug/l	10	U	ug/l	10	U	ug/l	10	U	ug/l	10	U
108-67-8	1,3,5-Trimethylbenzene (Mesitylene)	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
108-87-2	Methylcyclohexane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
108-88-3	Toluene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
108-90-7	Chlorobenzene	1	U	ug/l	1	U	ug/l	5.8		ug/l	1	U	ug/l	1	U
110-82-7	Cyclohexane	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U
120-82-1	1,2,4-Trichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
124-48-1	Dibromochloromethane	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U
127-18-4	Tetrachloroethene (PCE)	2.1		ug/l	0.32	J	ug/l	23		ug/l	1.7		ug/l	0.5	J
1330-20-7	Xylenes	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
135-98-8	sec-Butylbenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
156-59-2	cis-1,2-Dichlorethene	1.6		ug/l	0.3	J	ug/l	13		ug/l	1	U	ug/l	1	U
156-60-5	trans-1,2-Dichloroethene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
1634-04-4	tert-Butyl Methyl Ether	1	U	ug/l	1	U	ug/l	0.36	J	ug/l	0.21	J	ug/l	1	U
179601-23-1	m,p-Xylene	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U
541-73-1	1,3-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U

56-23-5	Carbon Tetrachloride	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U
591-78-6	2-Hexanone	10	U	ug/l	10	U	ug/l	10	U	ug/l	10	U	ug/l	10	U
67-64-1	Acetone	3		ug/l	3.9	J	ug/l	430		ug/l	44	J	ug/l	4.8	J
67-66-3	Chloroform	2	U	ug/l	0.23	J	ug/l	2	U	ug/l	2	U	ug/l	2	U
71-43-2	Benzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
71-55-6	1,1,1-Trichloroethane (TCA)	1	U	ug/l	1	U	ug/l	0.37	J	ug/l	1	U	ug/l	1	U
74-83-9	Bromomethane	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U
74-87-3	Chloromethane (Methyl Chloride)	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U
74-97-5	Bromochloromethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
75-00-3	Chloroethane	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U
75-01-4	Vinyl Chloride	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U
75-09-2	Methylene Chloride	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U
75-15-0	Carbon Disulfide	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U
75-25-2	Bromoform	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
75-27-4	Bromodichloromethane	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U
75-34-3	1,1-Dichloroethane	1	U	ug/l	1	U	ug/l	4.4		ug/l	1	U	ug/l	1	U
75-35-4	1,1-Dichloroethene	1	U	ug/l	1	U	ug/l	2		ug/l	1	U	ug/l	1	U
75-69-4	Trichlorofluoromethane	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U
75-71-8	Dichlorodifluoromethane	2	U	ug/l	2	U	ug/l	2.5		ug/l	2	U	ug/l	2	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	1	U	ug/l	1	U	ug/l	0.35	J	ug/l	1	U	ug/l	1	U
78-87-5	1,2-Dichloropropane	1	U	ug/l	1	U	ug/l	1.4		ug/l	1	U	ug/l	1	U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	20	U	ug/l	20	U	ug/l	20	U	ug/l	20	U	ug/l	20	U
79-00-5	1,1,2-Trichloroethane	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
79-01-6	Trichloroethene (TCE)	0.69	J	ug/l	1	U	ug/l	26		ug/l	1	U	ug/l	0.31	J
79-20-9	Methyl Acetate	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U
87-61-6	1,2,3-Trichlorobenzene	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U
91-20-3	Naphthalene	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U
95-47-6	o-Xylene (1,2-Dimethylbenzene)	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
95-50-1	1,2-Dichlorobenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U
96-18-4	1,2,3-Trichloropropane	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U
98-06-6	tert-Butylbenzene	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U

98-82-8	Isopropylbenzene (Cumene)	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U
99-87-6	p-Cymene (p-Isopropyltoluene)	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U

(CH4) FF4-CH4 2024	MW-OFF4(CH6) 20240820 OFF4-CH6 20 Aug 2024 70 80 ft			MW-OFF5(CH2) 20240820 OFF5-CH2 20 Aug 2024 10 20 ft			MW-OFF5(CH4) 20240820 OFF5-CH4 20 Aug 2024 55 65 ft			MW-OFF5(CH6) 20240820 OFF5-CH6 21 Aug 2024 80 90 ft		
Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit	Result	Qual	Unit
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l
ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	10	U	ug/l	10	U	ug/l	10	U	ug/l	10	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l
ug/l	0.22	J	ug/l	5.9		ug/l	0.78	J	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	0.43	J	ug/l	10		ug/l	0.32	J	ug/l	0.29	J	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	0.34	J	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l

ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
ug/l	10	U	ug/l	10	U	ug/l	10	U	ug/l	10	U	ug/l
ug/l	120		ug/l	50	U	ug/l	170		ug/l	50	U	ug/l
ug/l	2	U	ug/l	0.33	J	ug/l	0.26	J	ug/l	2	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
ug/l	2	U	ug/l	2	U	ug/l	1.2	J	ug/l	0.93	J	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l
ug/l	0.15	J	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1.2		ug/l	0.98	J	ug/l
ug/l	20	U	ug/l	20	U	ug/l	20	U	ug/l	20	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	0.18	J	ug/l	5.4		ug/l	0.34	J	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l	0.5	U	ug/l
ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l	5	U	ug/l
ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l	2	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l

ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l
ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l	1	U	ug/l

Appendix A

Monitoring Well Purge Logs
Low Flow Method

Appendix A

Purge Logs

Monitoring Well Purge/Sampling Log

Well No.: MW-OFF-3-CH4
Site Name: Levey Property
Location: 1305 S. Strong Ave, Copiague, Suffolk County
Site No.: 152201

Sample Date: 8/20/2024
Sample Time: 13:06
Personnel: NS
Sample Analysis: VOC (EPA 8260C)

Casing Type: (PVC) Steel (Multi-Channel) other
Well Diameter:
Measuring Point: Top of Casing (TOC)
Well Depth: 18 (feet below TOC)
Water Level: 8.73' (feet BTOC)
Water Column: (feet)

Tubing Type: poly
Purge Device: Peristaltic Pump
Purge Start: 12:20
Purge End: 13:06
Sampling Device: Peristaltic Pump

Low Flow Purge and Sample- Environmental Parameters Table

Time	Flow Rate (ml/min)	Purge Volume (L)	pH	Specific Conductivity (mS/cm)	RedOx Potential (mv)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Temp. (°C)	Depth to Water (ft. BTOC)
12:22	250	0.5	6.15	0.545	29	1.54	0	17.62	
12:27	250	0.5	6.05	0.529	54	1	0	17.30	
12:32			5.84	0.525	75	0.91	0	17.16	
12:37	250	0.5	5.84	0.522	78	0.98	0	17.12	
12:42			6.00	0.522	70	0.75	0	17.07	
12:47			5.76	0.520	82	0.66	0	17.13	
12:52	250	0.5	5.65	0.519	89	0.65	0	17.27	
12:57			5.76	0.518	84	0.59	0	17.13	
13:02			5.70	0.517	88	0.55	0	17.12	
13:07									
13:12									
13:17									
13:22									

Comments:

ENVIRONMENTAL PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for RedOx Potential; ± 10% for Dissolved Oxygen and Turbidity. Flow rate should be maintained at 100-300 ml/min.

Volume per foot of depth of standard well diameters:

Well diameter (inches)	3/8"	1/2"	1"	2"	4"
Volume per foot of depth (gallons)	0.0057	0.0102	0.0408	0.1632	0.6528

Ex) A 2" PVC well has 38 feet of standing water; Water volume = 38 X 0.1632 = 6.202 gallons

Monitoring Well Purge/Sampling Log

Well No.: [illegible] MW-OFF 3-CHS
Site Name: Levey Property
Location: 1305 S. Strong Ave, Copiague, Suffolk County
Site No.: 152201

Sample Date: 08/20/2024
Sample Time: 14:10
Personnel: NS
Sample Analysis: VOC (EPA 8260C)

Casing Type: (PVC) Steel Multi-Channel other
Well Diameter:
Measuring Point: Top of Casing (TOC)
Well Depth: [illegible]60 (feet below TOC)
Water Level: (feet BTOC)
Water Column: (feet)

Tubing Type: poly
Purge Device: Peristaltic Pump
Purge Start: 13:25
Purge End: 14:10
Sampling Device: Peristaltic Pump

Low Flow Purge and Sample- Environmental Parameters Table

Time	Flow Rate (ml/min)	Purge Volume	pH	Specific Conductivity (mS/cm)	RedOx Potential (mv)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Temp. (°C)	Depth to Water (ft. BTOC)
13:25	250	0.5	5.94	0.507	-8	2.79	0	14.78	
13:30			5.92	0.497	28	0.9	0	14.58	
13:35			5.70	0.494	57	0.65	0	14.44	
13:40	250	0.5	5.48	0.494	81	0.58	0	14.42	
13:45			5.44	0.494	93	0.53	0	14.37	
13:50			5.43	0.494	99	0.51	0	14.52	
13:55			5.42	0.495	106	0.47	0	14.49	
14:00			5.40	0.496	113	0.53	0	14.47	
14:05			5.38	0.495	116	0.45	0	14.60	
14:10			5.38	0.496	120	0.44	0	14.47	
14:15									
14:20									
14:25									

Comments: DUP

ENVIRONMENTAL PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for RedOx Potential; ± 10% for Dissolved Oxygen and Turbidity. Flow rate should be maintained at 100-300 ml/min.

Volume per foot of depth of standard well diameters:

Well diameter (inches)	3/8"	1/2"	1"	2"	4"
Volume per foot of depth (gallons)	0.0057	0.0102	0.0408	0.1632	0.6528

Ex) A 2" PVC well has 38 feet of standing water; Water volume = 38 X 0.1632 = 6.202 gallons

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FIGURE 3

Monitoring Well Purge/Sampling Log

Well No.: MW-OFF 3-CH6 [redacted]
Site Name: Levey Property
Location: 1305 S. Strong Ave, Copiague, Suffolk County
Site No.: 152201

Sample Date: 08/20/24
Sample Time: 14:54
Personnel: N.S
Sample Analysis: VOC (EPA 8260C)

Casing Type: (PVC) Steel Multi-Channel other
Well Diameter: 2
Measuring Point: Top of Casing (TOC)
Well Depth: 70 (feet below TOC)
Water Level: (feet BTOC)
Water Column: (feet)

Tubing Type: poly
Purge Device: Peristaltic Pump
Purge Start: 14:23
Purge End: 14:54
Sampling Device: Peristaltic Pump

Low Flow Purge and Sample- Environmental Parameters Table

Time	Flow Rate (ml/min)	Purge Volume (L)	pH	Specific Conductivity (mS/cm)	RedOx Potential (mv)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Temp. (°C)	Depth to Water (ft. BTOC)
14:23	250	0.5	6.19	0.525	-61	1.03	0	14.62	
14:28			6.38	0.532	-57	0.81	0	14.36	
14:33			6.39	0.537	-53	0.58	0	14.38	
14:38	250	0.5	6.37	0.540	-52	0.48	0	14.38	
14:43			6.39	0.541	-52	0.43	0	14.16	
14:48			6.35	0.542	-48	0.42	0	14.17	
14:53			6.26	0.543	-41	0.40	0	14.17	
14:58									
15:03									

Comments:

ENVIRONMENTAL PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for RedOx Potential; ± 10% for Dissolved Oxygen and Turbidity. Flow rate should be maintained at 100-300 ml/min.

Volume per foot of depth of standard well diameters:

Well diameter (inches)	3/8"	1/2"	1"	2"	4"
Volume per foot of depth (gallons)	0.0057	0.0102	0.0408	0.1632	0.6528

Ex) A 2" PVC well has 38 feet of standing water; Water volume = 38 X 0.1632 = 6.202 gallons

Monitoring Well Purge/Sampling Log

Well No.: MW-Off-4-CH2
Site Name: Levey Property
Location: 1305 S. Strong Ave, Copiague, Suffolk County
Site No.: 152201

Sample Date: 8/20/2024
Sample Time: 12:53
Personnel: Sankari, Steven, Jared
Sample Analysis: VOC (EPA 8260C)

Casing Type: PVC Steel (Multi-Channel) other
Well Diameter:
Measuring Point: Top of Casing (TOC)
Well Depth: 20 (feet below TOC)
Water Level: 7.87' (feet BTOC)
Water Column: (feet)

Tubing Type: poly
Purge Device: Peristaltic Pump
Purge Start: 12:53
Purge End: 13:09
Sampling Device: Peristaltic Pump

Low Flow Purge and Sample- Environmental Parameters Table

Time	Flow Rate (ml/min)	Purge Volume	pH	Specific Conductivity (mS/cm)	RedOx Potential (mv)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Temp. (°C)	Depth to Water (ft. BTOC)
12:58	250	250	6.58	0.197	246	1.36	0	17.71	
1:02	250	500	6.12	0.353	252	0.91	0	17.42	
1:07	250	750	5.96	0.346	255	0.91	0	17.42	

Comments: Not fully purged, PM didn't notice samplers collect early.

ENVIRONMENTAL PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for RedOx Potential; ± 10% for Dissolved Oxygen and Turbidity. Flow rate should be maintained at 100-300 ml/min.

Volume per foot of depth of standard well diameters:

Well diameter (inches)	3/8"	1/2"	1"	2"	4"
Volume per foot of depth (gallons)	0.0057	0.0102	0.0408	0.1632	0.6528

Ex) A 2" PVC well has 38 feet of standing water; Water volume = 38 X 0.1632 = 6.202 gallons

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FIGURE 3

Monitoring Well Purge/Sampling Log

Well No.: MW-OFF-4-CH4
Site Name: Levey Property
Location: 1305 S. Strong Ave, Copiague, Suffolk County
Site No.: 152201

Sample Date: 5/20
Sample Time: 1:14
Personnel: Sarkis & Steven
Sample Analysis: VOC (EPA 8260C)

Casing Type: PVC Steel (Multi-Channel) other
Well Diameter:
Measuring Point: Top of Casing (TOC)
Well Depth: 65 (feet below TOC)
Water Level: (feet BTOC)
Water Column: (feet)

Tubing Type: poly
Purge Device: Peristaltic Pump
Purge Start: 13:19
Purge End: 14:00
Sampling Device: Peristaltic Pump

Low Flow Purge and Sample- Environmental Parameters Table

Time	Flow Rate (ml/min)	Purge Volume	pH	Specific Conductivity (mS/cm)	RedOx Potential (mv)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Temp. (°C)	Depth to Water (ft. BTOC)
13:19	250	250	5.78	0.341	110	1.05	13.5	17.41	
13:24	250	500	5.12	0.317	180	0.79	0	16.81	
13:29	250	750	4.98	0.314	212	0.82	0	16.60	
13:40	250	250	5.09	0.321	284	2.07	107	17.14	
13:45	↓	500	4.89	0.315	270	0.78	0	16.35	
13:50		750	4.86	0.314	262	0.77	0	16.43	
13:55		1000	4.85	0.315	257	0.70	0	16.4	
14:00	V	1250	4.84	0.316	257	0.69	0	16.33	

Comments: Stopped purging early. Picked back up at 13:40

ENVIRONMENTAL PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for RedOx Potential; ± 10% for Dissolved Oxygen and Turbidity. Flow rate should be maintained at 100-300 ml/min.

Volume per foot of depth of standard well diameters:

Well diameter (inches)	3/8"	1/2"	1"	2"	4"
Volume per foot of depth (gallons)	0.0057	0.0102	0.0408	0.1632	0.6528

Ex) A 2" PVC well has 38 feet of standing water; Water volume = 38 X 0.1632 = 6.202 gallons

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FIGURE 3

Monitoring Well Purge/Sampling Log

Well No.: MW-OFF CH 6
Site Name: Levey Property
Location: 1305 S. Strong Ave, Copiague, Suffolk County
Site No.: 152201

Sample Date: 8/20
Sample Time: 14:12
Personnel: Sankari & Steven
Sample Analysis: VOC (EPA 8260C)

Casing Type: PVC Steel (Multi-Channel) other
Well Diameter:
Measuring Point: Top of Casing (TOC)
Well Depth: 80 (feet below TOC)
Water Level: (feet BTOC)
Water Column: (feet)

Tubing Type: poly
Purge Device: Peristaltic Pump
Purge Start: ~~14:00~~ 14:15
Purge End: 14:50
Sampling Device: Peristaltic Pump

Low Flow Purge and Sample- Environmental Parameters Table

Time	Flow Rate (ml/min)	Purge Volume	pH	Specific Conductivity (mS/cm)	RedOx Potential (mv)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Temp. (°C)	Depth to Water (ft. BTOC)
1415	250	250	6.04	0.358	-108	0.63	0	16.44	
1420	↓	500	6.24	0.362	-125	0.61	0	16.25	
1425	↓	750	6.45	0.365	-146	0.87	0	16.23	
1430	250	250	6.41	0.366	-174	0.51	0	16.14	
1435	↓	500	6.43	0.366	-183	0.50	0	16.18	
1440	↓	750	6.45	0.368	-191	0.44	0	16.00	
1445	↓	1000	6.46	0.367	-193	0.48	0	16.23	
1450	↓	1250	6.47	0.369	-200	0.47	0	16.09	

Comments: Picked purging back up at 1430 1454 sample taken

ENVIRONMENTAL PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for RedOx Potential; ± 10% for Dissolved Oxygen and Turbidity. Flow rate should be maintained at 100-300 ml/min.

Volume per foot of depth of standard well diameters:

Well diameter (inches)	3/8"	1/2"	1"	2"	4"
Volume per foot of depth (gallons)	0.0057	0.0102	0.0408	0.1632	0.6528

Ex) A 2" PVC well has 38 feet of standing water; Water volume = 38 X 0.1632 = 6.202 gallons

FIGURE 3

Monitoring Well Purge/Sampling Log

Well No.: MW-OFFS CH2
Site Name: Levey Property
Location: 1305 S. Strong Ave, Copiague, Suffolk County
Site No.: 152201

Sample Date: 8/20
Sample Time: 15:24
Personnel: Sankari, Steven, Nakeya, Jared
Sample Analysis: VOC (EPA 8260C)

Casing Type: PVC Steel (Multi-Channel) other
Well Diameter:
Measuring Point: Top of Casing (TOC)
Well Depth: 20 (feet below TOC)
Water Level: 7.31 (feet BTOC)
Water Column: (feet)

Tubing Type: poly
Purge Device: Peristaltic Pump
Purge Start: 15:28
Purge End: 15:53
Sampling Device: Peristaltic Pump

Low Flow Purge and Sample- Environmental Parameters Table

Time	Flow Rate (ml/min)	Purge Volume	pH	Specific Conductivity (mS/cm)	RedOx Potential (mv)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Temp. (°C)	Depth to Water (ft. BTOC)
1528	250	250	6.02	0.328	164	2.76	0	16.6	
1533	250	500	5.7	0.314	171	1.28	0	16.32	
1538	250	750	5.63	0.312	173	0.63	0	16.24	
1543	250	1000	5.62	0.310	175	0.52	0	16.23	
1548	250	1250	5.61	0.309	177	0.48	0	16.20	
1553	250	1500	5.61	0.309	178	0.51	0	16.33	

Comments:

ENVIRONMENTAL PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for RedOx Potential; ± 10% for Dissolved Oxygen and Turbidity. Flow rate should be maintained at 100-300 ml/min.

Volume per foot of depth of standard well diameters:

Well diameter (inches)	3/8"	1/2"	1"	2"	4"
Volume per foot of depth (gallons)	0.0057	0.0102	0.0408	0.1632	0.6528

Ex) A 2" PVC well has 38 feet of standing water; Water volume = 38 X 0.1632 = 6.202 gallons

Monitoring Well Purge/Sampling Log

Well No.: MW-OFF5-4CH4
Site Name: Levey Property
Location: 1305 S. Strong Ave, Copiague, Suffolk County
Site No.: 152201

Sample Date: 08/20/2024
Sample Time: 15:54
Personnel: NS
Sample Analysis: VOC (EPA 8260C)

Casing Type: (PVC) Steel Multi-Channel other
Well Diameter:
Measuring Point: Top of Casing (TOC)
Well Depth: 65 (feet below TOC)
Water Level: (feet BTOC)
Water Column: (feet)

Tubing Type: poly
Purge Device: Peristaltic Pump
Purge Start: 15:20
Purge End: 15:54
Sampling Device: Peristaltic Pump

Low Flow Purge and Sample- Environmental Parameters Table

Time	Flow Rate (ml/min)	Purge Volume	pH	Specific Conductivity (mS/cm)	RedOx Potential (mv)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Temp. (°C)	Depth to Water (ft. BTOC)
15:20	250	0.5	5.75	0.340	111	2.16	0	13.71	
15:32			5.89	0.341	131	2.17	0	13.68	
15:37			5.84	0.340	147	2.16	0	13.60	
15:42	250	0.5	5.77	0.340	160	2.13	0	13.59	
15:47			5.79	0.340	163	2.16	0	13.54	
15:52			5.80	0.340	169	2.19	0	13.53	
15:57									
16:02									
16:07									

Comments:

ENVIRONMENTAL PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for RedOx Potential; ± 10% for Dissolved Oxygen and Turbidity. Flow rate should be maintained at 100-300 ml/min.

Volume per foot of depth of standard well diameters:

Well diameter (inches)	3/8"	1/2"	1"	2"	4"
Volume per foot of depth (gallons)	0.0057	0.0102	0.0408	0.1632	0.6528

Ex) A 2" PVC well has 38 feet of standing water; Water volume = 38 X 0.1632 = 6.202 gallons

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
RKC 6/2016

FIGURE 3

Monitoring Well Purge/Sampling Log

Well No.: MW-OFFS-C46
Site Name: Levey Property
Location: 1305 S. Strong Ave, Copiague, Suffolk County
Site No.: 152201

Sample Date: 8/21/24
Sample Time: 8:43
Personnel: Sankavika Steeves
Sample Analysis: VOC (EPA 8260C)

Casing Type: PVC Steel (Multi-Channel) other
Well Diameter:
Measuring Point: Top of Casing (TOC)
Well Depth: 90 (feet below TOC)
Water Level: (feet BTOC)
Water Column: (feet)

Tubing Type: poly
Purge Device: Peristaltic Pump
Purge Start: 8:43
Purge End: 8:58
Sampling Device: Peristaltic Pump

Low Flow Purge and Sample- Environmental Parameters Table

Time	Flow Rate (ml/min)	Purge Volume	pH	Specific Conductivity (mS/cm)	RedOx Potential (mv)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Temp. (°C)	Depth to Water (ft. BTOC)
8:43	250	250	7.13	0.372	-165	0.606	0	13.53	
8:48	250	500	7.13	0.370	-173	0.62	0	[redacted]	15.19
8:53	250	750	7.20	0.368	-173	0.62	0	15.27	
8:58	250	1000	7.16	0.367	-175	0.61	0	15.28	

Comments: Collected MS/MSD

ENVIRONMENTAL PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for RedOx Potential; ± 10% for Dissolved Oxygen and Turbidity. Flow rate should be maintained at 100-300 ml/min.

Volume per foot of depth of standard well diameters:

Well diameter (inches)	3/8"	1/2"	1"	2"	4"
Volume per foot of depth (gallons)	0.0057	0.0102	0.0408	0.1632	0.6528

Ex) A 2" PVC well has 38 feet of standing water; Water volume = 38 X 0.1632 = 6.202 gallons

FIGURE 3

[illegible]

Appendix B

Field Activities Plan (FAP)

Appendix B

Field Activities Plan

Levey Property Site No. 152201 Field Activities Plan (August 2024)

Groundwater Sampling at the
Levey Property, DEC Site No. 152201
1305 S. Strong Ave, Copiague, NY 11726
DEC Project Manager: Jared Donaldson, 518-402-9176, jared.donaldson@dec.ny.gov

Objective: Assess current groundwater quality across the site and monitor the down gradient VOC plume. Sample nine off-site monitoring wells using low-flow techniques. Table 1 indicates the wells to be sampled, sample IDs and analysis. A site location map and monitoring well location map are attached as Figure 1 and Figure 2, respectively.

Table 1- Sample Collection Schedule

Normal Samples	Well ID [Screen interval] (feet BTOC)	Sample ID	QA/QC	VOCs (8260C)
Off-site	MW-OFF3-CH4 [8-18]	OFF3-CH4		X
Off-site	MW-OFF3-CH5 [40-50]	OFF3-CH5	DUP	X
Off-site	MW-OFF3-CH6 [60-70]	OFF3-CH6		X
Off-site	MW-OFF4-CH2 [10-20]	OFF4-CH2		X
Off-site	MW-OFF4-CH4 [55-65]	OFF4-CH4		X
Off-site	MW-OFF4-CH6 [70-80]	OFF4-CH6		X
Off-site	MW-OFF5-CH2 [10-20]	OFF5-CH2		X
Off-site	MW-OFF5-CH4 [55-65]	OFF5-CH4		X
Off-site	MW-OFF5-CH6 [80-90]	OFF5-CH6	MS/MSD	X
Normal				9
QA/QC	(blind- TBD)	Dup1	X	X
	Trip Blank	Trip Blank	X	X
	Equipment Blank	Equipment Blank	X	X
Totals			**5**	**14**

Samples will be analyzed for VOCs via EPA method 8260C.
QA/QC samples consist of a Field Duplicate, Matrix Spike and Matrix Spike duplicate, and Equipment Blank
BTOC- feet below top of casing

Low Flow Purge/Sampling Techniques:

Low flow purge and sampling (LFPS) techniques enable the monitoring wells to be sampled with as little disturbance to the well as possible. Older wells may have sediments in them that we don't want to stir up. Purge rate is about 0.2 liters/min (200 ml/min). The low pumping rate minimizes drawdown in the well, reduces turbidity and minimizes aeration of the sample. We will be using a peristaltic pump (PP) to control the pumping (flow) rate. The flow rate is controlled by an adjustable knob and it may take several minutes get it right. A schematic of a typical LFPS setup is attached in Figure 4.

As the well is being purged, the purge water continually passes into a flow through cell, where several environmental parameters are measured by a water quality meter. The purge water then exits the flow through cell via a discharge tube and is collected in a bucket for later disposal.

The measured environmental parameters include temperature, pH, conductivity, turbidity, dissolved oxygen (DO) and oxygen reducing potential (ORP). The operator logs each of the parameters, roughly every 3-5 minutes, on a purging/sampling log sheet (Figure 3). Purging is deemed complete when the parameters stabilize over three consecutive readings, indicating that the water being drawn is "fresh" from the aquifer and not "stale" from the well casing. Prior experience at this site indicates that this will take about 1/2-hour and yield 2-5 gallons of purge water per well.

The PP is left running throughout the purge and sample collection. When purging is complete, the tubing is detached from the input end of the flow through cell and held over the open sample jar(s). Care should be taken to avoid contact between the tubing and the sample jar.

Typically, groundwater levels and well depth data are gathered immediately after the environmental sampling is completed. For this job, groundwater levels will be collected on the second day, so that all levels are recorded within a short time period. Long Island sand is highly transmissive and groundwater level measurements can vary significantly on opposite days of an overnight rainstorm.

Equipment:

DEC sampling van;
Geopump2 peristaltic pump with EZ load pump head and battery pack;
Horiba water quality meter with flow through cell;
Silicone flex tubing for peristaltic pump;
1/4" OD HDPE tubing for sample collection and purge water discharge;
Sample bottles- 40 mL for VOCs;
Nitrile gloves;
Buckets to catch purge water;
Portable granular activated carbon (GAC) unit and;
Monitoring Well Purge and Sampling Log sheets.

Attached Figures:

1) Site Location Map
2) Monitoring Well Location Map
3) Monitoring Well Purge and Pump Log Sheet
4) Typical Low Flow Purge and Sampling Setup Schematic
5) Photos of well types found at the Levey Property Site

Procedure:

1) The wells already have dedicated sample tubing (well tubing) within their casings. To avoid mixing the casing water and re-suspending solids, do not unnecessarily move the well tubing around or let it fall back into the well. Inspect the well to verify that the tubing is present and the well is still intact.

2) Set up the low flow equipment within 2-3 feet of the monitoring well. See picture for positioning.

3) The peristaltic pumps (PP) require an 8"-10" piece of flexible silicone tubing (flex tubing) for creating the peristaltic effect which moves the well water. A new piece of flex tubing is required for each well (or well interval) to avoid cross-contamination of samples. Cut new pieces as needed.

4) A new piece of discharge tubing (1/4" HDPE tubing) is required for each well to avoid cross-contamination of samples. The discharge tubing connects between the PP (flex tubing) output and the flow through cell input. Cut new pieces as needed.

5) Put on your nitrile gloves. Gloves must be changed for each well (or well interval), or sooner if they become soiled or damaged.

6) Connect new pieces of flex tubing and discharge tubing together. Be careful not to let the ends touch any equipment or the ground. Attach free end of discharge tubing into the flow through cell input and place the mid-point of the flex tubing into the pump head (as will be demonstrated).

7) Gently pull up approximately five feet of the well tubing- enough to reach the pump location. Do not let it fall back into the well. We are assuming that the tubing is sitting at the bottom of the well, and pulling it up five feet will roughly center it in the 10-foot screen interval.

8) Attach the well tubing to the input end of the flex tubing. Be careful not to move around too much during this step.

9) Begin purging at lowest pump setting and slowly increase rate until proper. (0.1-0.3 L/min) Realistically, purge rates are dependent on each pump and 0.2-0.3 L/min was what we used last year to achieve a steady (not pulsing) flow.

10) Check that the Horiba meter is turned on and record groundwater parameters (every 5 minutes) on the MW log sheet.

11) Once parameters have stabilized (as will be discussed) collect VOC samples first in the 40 mL small bottles. You need two bottles per sample.

12)

13) If QA/QC (dup and ms/msd) samples are indicated, collect them next. Again, collect two bottles per sample, for a total of six QA/QC bottles.

14) Change out flex tubing and discharge tubing and change your gloves before proceeding to the next well or interval. Place all disposables (gloves, tubing, etc.) in heavy duty trash bags. The purge tubing, between the flow through cell and purge bucket does not require changing. Only the tubing which touches the sample water needs changing.

15) Do not collect depth to groundwater or well depth parameters until day two of the job. These parameters should all be collected on the same day, and only after all samples are collected.

16) Purge water is to be collected in buckets and off-site purge water is to be transported back to the site. A portable activated carbon unit will be present to treat the purge water prior to discharge into storm sewer or on-site ground surface.

17) Please keep track of total purge water volume. A water meter is present on the carbon unit to aid in estimating remaining carbon life.

18) The on-site wells are conventionally constructed 2-inch PVC casings, while the off-site wells are Solinst multi-channel wells. The Solinst wells have seven 3/8" diameter channels housed within a single 2-inch polyethylene casing. They are sampled exactly as conventional wells, but require a thinner probe for determining depth to groundwater and casing depth. See Figure 5.

Appendix C

Photo Log

Appendix C

Photo Log

Picture 1: Location of MW-OFF3



Picture 2: Peristaltic Pump Well Purge Setup



Picture 3: MW-OFF3 Channels



Picture 4: Taking Water Level Measurements



Appendix D

Laboratory Data Sheets

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A Pace Analytical® Laboratory

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

August 28, 2024

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

Project Location: NY
Client Job Number:
Project Number: 152201
Laboratory Work Order Number: 24H3367

Enclosed are results of analyses for samples as received by the laboratory on August 22, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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

REPORT DATE: 8/28/2024

PURCHASE ORDER NUMBER: 152153

PROJECT NUMBER: 152201

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24H3367

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

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
20240820 OFF3-CH4	24H3367-01	Ground Water		SW-846 8260D	
20240820 OFF4-CH2	24H3367-02	Ground Water		SW-846 8260D	
20240820 OFF4-CH4	24H3367-03	Ground Water		SW-846 8260D	
20240820 OFF3-CH5	24H3367-04	Ground Water		SW-846 8260D	
20240820 DUP	24H3367-05	Ground Water		SW-846 8260D	
20240820 OFF4-CH6	24H3367-06	Ground Water		SW-846 8260D	
20240820 EB	24H3367-07	Equipment Blank Water		SW-846 8260D	
20240820 OFF3-CH6	24H3367-08	Ground Water		SW-846 8260D	
20240820 OFF5-CH2	24H3367-09	Ground Water		SW-846 8260D	
20240820 OFF5-CH4	24H3367-10	Ground Water		SW-846 8260D	
20240820 OFF5-CH6	24H3367-11	Ground Water		SW-846 8260D	
20240820	24H3367-12	Trip Blank Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

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

SW-846 8260D

Qualifications:

L-02

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

Analyte & Samples(s) Qualified:

Methyl Acetate
B384099-BS1, B384099-BSD1, B384099-MS1, B384099-MSD1

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:

Acetone
B384099-MS1, B384099-MSD1

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:

Chloromethane
24H3367-10[20240820 OFF5-CH4], 24H3367-11[20240820 OFF5-CH6], 24H3367-12[20240820], B384099-BS1, B384099-BSD1, B384099-MS1, B384099-MSD1, S109578-CCV1

V-20

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

Analyte & Samples(s) Qualified:

4-Methyl-2-pentanone (MIBK)
B384099-BS1, B384099-BSD1, B384099-MS1, B384099-MSD1, S109578-CCV1

Bromochloromethane
B384099-BS1, B384099-BSD1, B384099-MS1, B384099-MSD1, S109578-CCV1

Bromoform
B384099-BS1, B384099-BSD1, B384099-MS1, B384099-MSD1, S109578-CCV1

Carbon Disulfide
B384099-BS1, B384099-BSD1, B384099-MS1, B384099-MSD1, S109578-CCV1

Methyl Acetate
B384099-BS1, B384099-BSD1, B384099-MS1, B384099-MSD1, S109578-CCV1

Z-01

Compound quality level less than method required 80%. Analyst believes this is a valid hit.

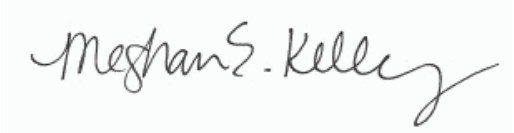
Analyte & Samples(s) Qualified:

Isopropyl alcohol
24H3367-07[20240820 EB], 24H3367-09[20240820 OFF5-CH2], 24H3367-10[20240820 OFF5-CH4], 24H3367-11[20240820 OFF5-CH6], 24H3367-12[20240820]

Propane, 2-chloro-
24H3367-05[20240820 DUP], 24H3367-10[20240820 OFF5-CH4]

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



Meghan E. Kelley
Reporting Specialist

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A Pace Analytical® Laboratory

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

Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF3-CH4 | Sampled: 8/20/2024 13:06

Sample ID: 24H3367-01

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	58	50	2.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
cis-1,2-Dichloroethylene	1.6	1.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH

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

Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF3-CH4 | Sampled: 8/20/2024 13:06

Sample ID: 24H3367-01

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	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Tetrachloroethylene	2.1	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Trichloroethylene	0.69	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:12	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.6	70-130		8/27/24 13:12
Toluene-d8	97.8	70-130		8/27/24 13:12
4-Bromofluorobenzene	106	70-130		8/27/24 13:12

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

Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF3-CH4 | Sampled: 8/20/2024 13:06

Sample ID: 24H3367-01

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	8/26/24	8/27/24 13:12	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF4-CH2 | Sampled: 8/20/2024 13:09

Sample ID: 24H3367-02

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	44	50	2.0	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Methyl tert-Butyl Ether (MTBE)	0.21	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH

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

Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF4-CH2 | Sampled: 8/20/2024 13:09

Sample ID: 24H3367-02

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	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Tetrachloroethylene	1.7	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 13:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.1	70-130		8/27/24 13:37
Toluene-d8	98.7	70-130		8/27/24 13:37
4-Bromofluorobenzene	106	70-130		8/27/24 13:37

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

Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF4-CH2 | Sampled: 8/20/2024 13:09

Sample ID: 24H3367-02

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Propane, 2-chloro-	3.0	µg/L	84584	1.71	1	000075-29-6	80	SW-846 8260D	8/26/24	8/27/24 13:37	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF4-CH4 | Sampled: 8/20/2024 14:01

Sample ID: 24H3367-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.8	50	2.0	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH

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

Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF4-CH4 | Sampled: 8/20/2024 14:01

Sample ID: 24H3367-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Tetrachloroethylene	0.50	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Trichloroethylene	0.31	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:03	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		8/27/24 14:03
Toluene-d8	98.6	70-130		8/27/24 14:03
4-Bromofluorobenzene	105	70-130		8/27/24 14:03

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

Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF4-CH4 | Sampled: 8/20/2024 14:01

Sample ID: 24H3367-03

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	8/26/24	8/27/24 14:03	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF3-CH5 | Sampled: 8/20/2024 14:10

Sample ID: 24H3367-04

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	3.9	50	2.0	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Chloroform	0.23	2.0	0.19	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
cis-1,2-Dichloroethylene	0.30	1.0	0.20	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 14:28	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF3-CH5 | Sampled: 8/20/2024 14:10

Sample ID: 24H3367-04

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	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Tetrachloroethylene	0.32	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:28	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.1	70-130		8/27/24 14:28
Toluene-d8	97.5	70-130		8/27/24 14:28
4-Bromofluorobenzene	104	70-130		8/27/24 14:28

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF3-CH5 | Sampled: 8/20/2024 14:10

Sample ID: 24H3367-04

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	8/26/24	8/27/24 14:28	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 DUP | Sampled: 8/20/2024 00:00

Sample ID: 24H3367-05

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	280	50	2.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Chloroform	0.21	2.0	0.19	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
cis-1,2-Dichloroethylene	0.33	1.0	0.20	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 14:54	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,2-Dichloropropane	1.0	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 DUP | Sampled: 8/20/2024 00:00

Sample ID: 24H3367-05

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	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Tetrachloroethylene	0.33	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 14:54	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		8/27/24 14:54
Toluene-d8	97.6	70-130		8/27/24 14:54
4-Bromofluorobenzene	104	70-130		8/27/24 14:54

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 DUP | Sampled: 8/20/2024 00:00

Sample ID: 24H3367-05

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Propane, 2-chloro-	14	µg/L	401090	1.715	1	000075-29-6	78	SW-846 8260D	8/26/24	8/27/24 14:54	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF4-CH6 | Sampled: 8/20/2024 14:54

Sample ID: 24H3367-06

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	120	50	2.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,1-Dichloroethane	0.15	1.0	0.15	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
cis-1,2-Dichloroethylene	0.43	1.0	0.20	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 15:19	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Methyl tert-Butyl Ether (MTBE)	0.34	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF4-CH6 | Sampled: 8/20/2024 14:54

Sample ID: 24H3367-06

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	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Tetrachloroethylene	0.22	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Trichloroethylene	0.18	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:19	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.8	70-130		8/27/24 15:19
Toluene-d8	97.6	70-130		8/27/24 15:19
4-Bromofluorobenzene	106	70-130		8/27/24 15:19

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF4-CH6 | Sampled: 8/20/2024 14:54

Sample ID: 24H3367-06

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8260D	8/26/24	8/27/24 15:19	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 EB | Sampled: 8/20/2024 12:48

Sample ID: 24H3367-07

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,2-Dichloropropane	0.38	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 10:39	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 EB | Sampled: 8/20/2024 12:48

Sample ID: 24H3367-07

Sample Matrix: Equipment Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 10:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.5	70-130		8/27/24 10:39
Toluene-d8	98.2	70-130		8/27/24 10:39
4-Bromofluorobenzene	104	70-130		8/27/24 10:39

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 EB | Sampled: 8/20/2024 12:48

Sample ID: 24H3367-07

Sample Matrix: Equipment Blank Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	43	µg/L	1228770	1.629	1	000067-63-0	78	SW-846 8260D	8/26/24	8/27/24 10:39	EEH
Propane, 2-chloro-	4.2	µg/L	119478	1.712	1	000075-29-6	86	SW-846 8260D	8/26/24	8/27/24 10:39	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF3-CH6 | Sampled: 8/20/2024 14:55

Sample ID: 24H3367-08

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	430	50	2.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Chlorobenzene	5.8	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Dichlorodifluoromethane (Freon 12)	2.5	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,1-Dichloroethane	4.4	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,1-Dichloroethylene	2.0	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
cis-1,2-Dichloroethylene	13	1.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,2-Dichloropropane	1.4	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Methyl tert-Butyl Ether (MTBE)	0.36	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF3-CH6 | Sampled: 8/20/2024 14:55

Sample ID: 24H3367-08

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	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Tetrachloroethylene	23	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,1,1-Trichloroethane	0.37	1.0	0.14	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Trichloroethylene	26	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.35	1.0	0.16	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 15:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.8	70-130		8/27/24 15:45
Toluene-d8	97.8	70-130		8/27/24 15:45
4-Bromofluorobenzene	105	70-130		8/27/24 15:45

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF3-CH6 | Sampled: 8/20/2024 14:55

Sample ID: 24H3367-08

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	33	µg/L	960196	1.626	1	000067-63-0	83	SW-846 8260D	8/26/24	8/27/24 15:45	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF5-CH2 | Sampled: 8/20/2024 15:53

Sample ID: 24H3367-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Chloroform	0.33	2.0	0.19	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
cis-1,2-Dichloroethylene	10	1.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,2-Dichloropropane	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF5-CH2 | Sampled: 8/20/2024 15:53

Sample ID: 24H3367-09

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	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Tetrachloroethylene	5.9	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Trichloroethylene	5.4	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.1	70-130		8/27/24 16:11
Toluene-d8	101	70-130		8/27/24 16:11
4-Bromofluorobenzene	105	70-130		8/27/24 16:11

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF5-CH2 | Sampled: 8/20/2024 15:53

Sample ID: 24H3367-09

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	41	µg/L	1180650	1.626	1	000067-63-0	78	SW-846 8260D	8/26/24	8/27/24 16:11	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF5-CH4 | Sampled: 8/20/2024 15:54

Sample ID: 24H3367-10

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	170	50	2.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Chloroform	0.26	2.0	0.19	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Chloromethane	1.2	2.0	0.50	µg/L	1	V-06, J	SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
cis-1,2-Dichloroethylene	0.32	1.0	0.20	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 16:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,2-Dichloropropane	1.2	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF5-CH4 | Sampled: 8/20/2024 15:54

Sample ID: 24H3367-10

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	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Tetrachloroethylene	0.78	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Trichloroethylene	0.34	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 16:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/27/24 16:36
Toluene-d8	98.5	70-130		8/27/24 16:36
4-Bromofluorobenzene	105	70-130		8/27/24 16:36

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF5-CH4 | Sampled: 8/20/2024 15:54

Sample ID: 24H3367-10

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	53	µg/L	1512670	1.626	1	000067-63-0	78	SW-846 8260D	8/26/24	8/27/24 16:36	EEH
Propane, 2-chloro-	18	µg/L	511089	1.71	1	000075-29-6	78	SW-846 8260D	8/26/24	8/27/24 16:36	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF5-CH6 | Sampled: 8/21/2024 08:59

Sample ID: 24H3367-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Chloromethane	0.93	2.0	0.50	µg/L	1	V-06, J	SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
cis-1,2-Dichloroethylene	0.29	1.0	0.20	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 17:01	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,2-Dichloropropane	0.98	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 17:01	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF5-CH6 | Sampled: 8/21/2024 08:59

Sample ID: 24H3367-11

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	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:01	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.7	70-130		8/27/24 17:01
Toluene-d8	99.4	70-130		8/27/24 17:01
4-Bromofluorobenzene	105	70-130		8/27/24 17:01

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 OFF5-CH6 | Sampled: 8/21/2024 08:59

Sample ID: 24H3367-11

Sample Matrix: Ground Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	47	µg/L	1335170	1.629	1	000067-63-0	78	SW-846 8260D	8/26/24	8/27/24 17:01	EEH
Propane, 2-chloro-	14	µg/L	403799	1.712	1	000075-29-6	80	SW-846 8260D	8/26/24	8/27/24 17:01	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 | Sampled: 8/21/2024 09:00

Sample ID: 24H3367-12

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Benzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Bromochloromethane	ND	1.0	0.32	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Bromodichloromethane	ND	0.50	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Bromoform	ND	1.0	0.30	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Bromomethane	ND	2.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
2-Butanone (MEK)	ND	20	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
n-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
sec-Butylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
tert-Butylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Carbon Disulfide	ND	5.0	1.5	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Carbon Tetrachloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Chlorobenzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Chlorodibromomethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Chloroethane	ND	2.0	0.46	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Chloroform	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Chloromethane	0.86	2.0	0.50	µg/L	1	V-06, J	SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.63	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,2-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,3-Dichlorobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,4-Dichlorobenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,1-Dichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,2-Dichloroethane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,1-Dichloroethylene	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.20	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,2-Dichloropropane	0.66	1.0	0.17	µg/L	1	J	SW-846 8260D	8/26/24	8/27/24 17:27	EEH
cis-1,3-Dichloropropene	ND	0.50	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Ethylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
2-Hexanone (MBK)	ND	10	1.3	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Methyl Acetate	ND	1.0	0.48	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Methyl Cyclohexane	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Methylene Chloride	ND	5.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.4	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Naphthalene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
n-Propylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Styrene	ND	1.0	0.13	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH

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Project Location: NY | Sample Description: | Work Order: 24H3367

Date Received: 8/22/2024

Field Sample #: 20240820 | Sampled: 8/21/2024 09:00

Sample ID: 24H3367-12

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.50	0.10	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Toluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.22	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,1,1-Trichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.14	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,2,3-Trichloropropane	ND	2.0	0.27	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.17	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Vinyl Chloride	ND	2.0	0.19	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
m+p Xylene	ND	2.0	0.25	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
o-Xylene	ND	1.0	0.16	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	8/26/24	8/27/24 17:27	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		8/27/24 17:27
Toluene-d8	98.7	70-130		8/27/24 17:27
4-Bromofluorobenzene	106	70-130		8/27/24 17:27

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Field Sample #: 20240820 | Sampled: 8/21/2024 09:00

Sample ID: 24H3367-12

Sample Matrix: Trip Blank Water

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Isopropyl alcohol	46	µg/L	1325230	1.626	1	000067-63-0	78	SW-846 8260D	8/26/24	8/27/24 17:27	EEH
Propane, 2-chloro-	10	µg/L	288868	1.712	1	000075-29-6	86	SW-846 8260D	8/26/24	8/27/24 17:27	EEH

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24H3367-01 [20240820 OFF3-CH4]	B384099	5	5.00	08/26/24
24H3367-02 [20240820 OFF4-CH2]	B384099	5	5.00	08/26/24
24H3367-03 [20240820 OFF4-CH4]	B384099	5	5.00	08/26/24
24H3367-04 [20240820 OFF3-CH5]	B384099	5	5.00	08/26/24
24H3367-05 [20240820 DUP]	B384099	5	5.00	08/26/24
24H3367-06 [20240820 OFF4-CH6]	B384099	5	5.00	08/26/24
24H3367-07 [20240820 EB]	B384099	5	5.00	08/26/24
24H3367-08 [20240820 OFF3-CH6]	B384099	5	5.00	08/26/24
24H3367-09 [20240820 OFF5-CH2]	B384099	5	5.00	08/26/24
24H3367-10 [20240820 OFF5-CH4]	B384099	5	5.00	08/26/24
24H3367-11 [20240820 OFF5-CH6]	B384099	5	5.00	08/26/24
24H3367-12 [20240820]	B384099	5	5.00	08/26/24

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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 B384099 - SW-846 5030B										
Blank (B384099-BLK1)				Prepared: 08/26/24 Analyzed: 08/27/24						
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							
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							
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 B384099 - SW-846 5030B											
Blank (B384099-BLK1)				Prepared: 08/26/24 Analyzed: 08/27/24							
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	*24.7*		µg/L	25.0		98.7	70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.4	70-130				
Surrogate: 4-Bromofluorobenzene	*26.2*		µg/L	25.0		105	70-130				
LCS (B384099-BS1)				Prepared: 08/26/24 Analyzed: 08/27/24							
Acetone	98.5	50	µg/L	100		98.5	70-160				†
Benzene	9.28	1.0	µg/L	10.0		92.8	70-130				
Bromochloromethane	11.9	1.0	µg/L	10.0		119	70-130			V-20	
Bromodichloromethane	11.6	0.50	µg/L	10.0		116	70-130				
Bromoform	13.0	1.0	µg/L	10.0		130	70-130			V-20	
Bromomethane	10.0	2.0	µg/L	10.0		100	40-160				†
2-Butanone (MEK)	97.3	20	µg/L	100		97.3	40-160				†
n-Butylbenzene	9.45	1.0	µg/L	10.0		94.5	70-130				
sec-Butylbenzene	9.50	1.0	µg/L	10.0		95.0	70-130				
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
Carbon Disulfide	129	5.0	µg/L	100		129	70-130			V-20	
Carbon Tetrachloride	11.2	5.0	µg/L	10.0		112	70-130				
Chlorobenzene	11.1	1.0	µg/L	10.0		111	70-130				
Chlorodibromomethane	11.9	0.50	µg/L	10.0		119	70-130				
Chloroethane	9.61	2.0	µg/L	10.0		96.1	70-130				
Chloroform	10.3	2.0	µg/L	10.0		103	70-130				
Chloromethane	12.7	2.0	µg/L	10.0		127	40-160			V-06	†
Cyclohexane	10.5	5.0	µg/L	10.0		105	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.45	5.0	µg/L	10.0		94.5	70-130				
1,2-Dibromoethane (EDB)	11.3	0.50	µg/L	10.0		113	70-130				
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130				
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
Dichlorodifluoromethane (Freon 12)	8.74	2.0	µg/L	10.0		87.4	40-160				†
1,1-Dichloroethane	9.89	1.0	µg/L	10.0		98.9	70-130				
1,2-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130				
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130				
cis-1,2-Dichloroethylene	9.97	1.0	µg/L	10.0		99.7	70-130				
trans-1,2-Dichloroethylene	9.86	1.0	µg/L	10.0		98.6	70-130				
1,2-Dichloropropane	10.5	1.0	µg/L	10.0		105	70-130				
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130				
trans-1,3-Dichloropropene	10.8	0.50	µg/L	10.0		108	70-130				
Ethylbenzene	10.8	1.0	µg/L	10.0		108	70-130				
2-Hexanone (MBK)	113	10	µg/L	100		113	70-160				†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130				
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0		100	70-130				
Methyl Acetate	13.2	1.0	µg/L	10.0		**132**	* 70-130			L-02, V-20	
Methyl tert-Butyl Ether (MTBE)	9.35	1.0	µg/L	10.0		93.5	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B384099 - SW-846 5030B											
LCS (B384099-BS1)				Prepared: 08/26/24 Analyzed: 08/27/24							
Methyl Cyclohexane	9.70	1.0	µg/L	10.0		97.0	70-130				
Methylene Chloride	12.2	5.0	µg/L	10.0		122	70-130				
4-Methyl-2-pentanone (MIBK)	119	10	µg/L	100		119	70-160			V-20	†
Naphthalene	9.42	2.0	µg/L	10.0		94.2	40-130				†
n-Propylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
Styrene	11.0	1.0	µg/L	10.0		110	70-130				
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130				
Tetrachloroethylene	11.4	1.0	µg/L	10.0		114	70-130				
Toluene	10.2	1.0	µg/L	10.0		102	70-130				
1,2,3-Trichlorobenzene	10.5	5.0	µg/L	10.0		105	70-130				
1,2,4-Trichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130				
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130				
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130				
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130				
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130				
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0		107	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	1.0	µg/L	10.0		108	70-130				
1,2,4-Trimethylbenzene	9.90	1.0	µg/L	10.0		99.0	70-130				
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
Vinyl Chloride	11.1	2.0	µg/L	10.0		111	40-160				†
m+p Xylene	21.9	2.0	µg/L	20.0		110	70-130				
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130				
Xylenes (total)	33.0	1.0	µg/L	30.0		110	0-200				
Surrogate: 1,2-Dichloroethane-d4	*24.4*		µg/L	25.0		97.6	70-130				
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0	70-130				
Surrogate: 4-Bromofluorobenzene	*26.4*		µg/L	25.0		106	70-130				
LCS Dup (B384099-BSD1)				Prepared: 08/26/24 Analyzed: 08/27/24							
Acetone	101	50	µg/L	100		101	70-160	2.22	25		†
Benzene	9.19	1.0	µg/L	10.0		91.9	70-130	0.975	25		
Bromochloromethane	11.9	1.0	µg/L	10.0		119	70-130	0.336	25	V-20	
Bromodichloromethane	11.3	0.50	µg/L	10.0		113	70-130	2.62	25		
Bromoform	12.5	1.0	µg/L	10.0		125	70-130	3.93	25	V-20	
Bromomethane	9.40	2.0	µg/L	10.0		94.0	40-160	6.29	25		†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160	5.57	25		†
n-Butylbenzene	9.24	1.0	µg/L	10.0		92.4	70-130	2.25	25		
sec-Butylbenzene	8.97	1.0	µg/L	10.0		89.7	70-130	5.74	25		
tert-Butylbenzene	9.59	1.0	µg/L	10.0		95.9	70-130	4.39	25		
Carbon Disulfide	124	5.0	µg/L	100		124	70-130	3.41	25	V-20	
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130	3.35	25		
Chlorobenzene	10.8	1.0	µg/L	10.0		108	70-130	3.19	25		
Chlorodibromomethane	11.9	0.50	µg/L	10.0		119	70-130	0.420	25		
Chloroethane	9.94	2.0	µg/L	10.0		99.4	70-130	3.38	25		
Chloroform	10.2	2.0	µg/L	10.0		102	70-130	0.777	25		
Chloromethane	12.5	2.0	µg/L	10.0		125	40-160	1.59	25	V-06	†
Cyclohexane	10.0	5.0	µg/L	10.0		100	70-130	4.76	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.80	5.0	µg/L	10.0		88.0	70-130	7.12	25		
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110	70-130	2.68	25		
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.195	25		
1,3-Dichlorobenzene	9.82	1.0	µg/L	10.0		98.2	70-130	8.02	25		
1,4-Dichlorobenzene	9.81	1.0	µg/L	10.0		98.1	70-130	6.51	25		
Dichlorodifluoromethane (Freon 12)	10.3	2.0	µg/L	10.0		103	40-160	16.5	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 B384099 - SW-846 5030B												
LCS Dup (B384099-BSD1)				Prepared: 08/26/24 Analyzed: 08/27/24								
1,1-Dichloroethane	9.92	1.0	µg/L	10.0		99.2		70-130	0.303	25		
1,2-Dichloroethane	9.89	1.0	µg/L	10.0		98.9		70-130	2.40	25		
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102		70-130	4.59	25		
cis-1,2-Dichloroethylene	9.71	1.0	µg/L	10.0		97.1		70-130	2.64	25		
trans-1,2-Dichloroethylene	9.65	1.0	µg/L	10.0		96.5		70-130	2.15	25		
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102		70-130	3.48	25		
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105		70-130	0.190	25		
trans-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109		70-130	0.276	25		
Ethylbenzene	10.4	1.0	µg/L	10.0		104		70-130	3.50	25		
2-Hexanone (MBK)	116	10	µg/L	100		116		70-160	2.75	25		†
Isopropylbenzene (Cumene)	10.4	1.0	µg/L	10.0		104		70-130	3.40	25		
p-Isopropyltoluene (p-Cymene)	9.71	1.0	µg/L	10.0		97.1		70-130	3.34	25		
Methyl Acetate	13.6	1.0	µg/L	10.0		**136**	*	70-130	2.99	25	L-02, V-20	
Methyl tert-Butyl Ether (MTBE)	9.27	1.0	µg/L	10.0		92.7		70-130	0.859	25		
Methyl Cyclohexane	9.64	1.0	µg/L	10.0		96.4		70-130	0.620	25		
Methylene Chloride	11.8	5.0	µg/L	10.0		118		70-130	3.75	25		
4-Methyl-2-pentanone (MIBK)	121	10	µg/L	100		121		70-160	1.56	25	V-20	†
Naphthalene	9.24	2.0	µg/L	10.0		92.4		40-130	1.93	25		†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102		70-130	4.87	25		
Styrene	10.4	1.0	µg/L	10.0		104		70-130	5.44	25		
1,1,2,2-Tetrachloroethane	10.7	0.50	µg/L	10.0		107		70-130	0.563	25		
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112		70-130	1.60	25		
Toluene	10.1	1.0	µg/L	10.0		101		70-130	0.689	25		
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0		101		70-130	4.38	25		
1,2,4-Trichlorobenzene	9.95	1.0	µg/L	10.0		99.5		70-130	6.89	25		
1,1,1-Trichloroethane	9.98	1.0	µg/L	10.0		99.8		70-130	4.98	25		
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106		70-130	3.26	25		
Trichloroethylene	10.8	1.0	µg/L	10.0		108		70-130	1.77	25		
Trichlorofluoromethane (Freon 11)	11.2	2.0	µg/L	10.0		112		70-130	2.81	25		
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0		105		70-130	1.80	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6	1.0	µg/L	10.0		106		70-130	1.78	25		
1,2,4-Trimethylbenzene	9.43	1.0	µg/L	10.0		94.3		70-130	4.86	25		
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0		106		70-130	0.282	25		
Vinyl Chloride	10.5	2.0	µg/L	10.0		105		40-160	5.27	25		†
m+p Xylene	21.1	2.0	µg/L	20.0		106		70-130	3.67	25		
o-Xylene	10.7	1.0	µg/L	10.0		107		70-130	3.41	25		
Xylenes (total)	31.8	1.0	µg/L	30.0		106		0-200	3.58			
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/L	25.0		97.2		70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.8		70-130				
Surrogate: 4-Bromofluorobenzene	*26.6*		µg/L	25.0		107		70-130				
Matrix Spike (B384099-MS1)		**Source: 24H3367-11**		Prepared: 08/26/24 Analyzed: 08/27/24								
Acetone	149	50	µg/L	100	ND	**149**	*	70-130			MS-15	
Benzene	9.25	1.0	µg/L	10.0	ND	92.5		70-130				
Bromochloromethane	11.7	1.0	µg/L	10.0	ND	117		70-130			V-20	
Bromodichloromethane	11.0	0.50	µg/L	10.0	ND	110		70-130				
Bromoform	12.0	1.0	µg/L	10.0	ND	120		70-130			V-20	
Bromomethane	8.91	2.0	µg/L	10.0	ND	89.1		70-130				
2-Butanone (MEK)	100	20	µg/L	100	ND	100		70-130				
n-Butylbenzene	9.05	1.0	µg/L	10.0	ND	90.5		70-130				
sec-Butylbenzene	9.16	1.0	µg/L	10.0	ND	91.6		70-130				
tert-Butylbenzene	9.87	1.0	µg/L	10.0	ND	98.7		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 B384099 - SW-846 5030B										
Matrix Spike (B384099-MS1)	**Source: 24H3367-11**			Prepared: 08/26/24 Analyzed: 08/27/24						
Carbon Disulfide	124	5.0	µg/L	100	ND	124	70-130			V-20
Carbon Tetrachloride	11.3	5.0	µg/L	10.0	ND	113	70-130			
Chlorobenzene	10.9	1.0	µg/L	10.0	ND	109	70-130			
Chlorodibromomethane	11.2	0.50	µg/L	10.0	ND	112	70-130			
Chloroethane	10.2	2.0	µg/L	10.0	ND	102	70-130			
Chloroform	10.4	2.0	µg/L	10.0	ND	104	70-130			
Chloromethane	13.4	2.0	µg/L	10.0	0.930	125	70-130			V-06
Cyclohexane	10.6	5.0	µg/L	10.0	ND	106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.79	5.0	µg/L	10.0	ND	87.9	70-130			
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0	ND	110	70-130			
1,2-Dichlorobenzene	9.97	1.0	µg/L	10.0	ND	99.7	70-130			
1,3-Dichlorobenzene	9.73	1.0	µg/L	10.0	ND	97.3	70-130			
1,4-Dichlorobenzene	9.88	1.0	µg/L	10.0	ND	98.8	70-130			
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0	ND	101	70-130			
1,1-Dichloroethane	9.89	1.0	µg/L	10.0	ND	98.9	70-130			
1,2-Dichloroethane	9.83	1.0	µg/L	10.0	ND	98.3	70-130			
1,1-Dichloroethylene	10.8	1.0	µg/L	10.0	ND	108	70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0	0.290	97.3	70-130			
trans-1,2-Dichloroethylene	9.81	1.0	µg/L	10.0	ND	98.1	70-130			
1,2-Dichloropropane	11.3	1.0	µg/L	10.0	0.980	103	70-130			
cis-1,3-Dichloropropene	9.91	0.50	µg/L	10.0	ND	99.1	70-130			
trans-1,3-Dichloropropene	10.0	0.50	µg/L	10.0	ND	100	70-130			
Ethylbenzene	10.6	1.0	µg/L	10.0	ND	106	70-130			
2-Hexanone (MBK)	113	10	µg/L	100	ND	113	70-130			
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0	ND	108	70-130			
p-Isopropyltoluene (p-Cymene)	9.77	1.0	µg/L	10.0	ND	97.7	70-130			
Methyl Acetate	10.9	1.0	µg/L	10.0	ND	109	70-130			L-02, V-20
Methyl tert-Butyl Ether (MTBE)	9.19	1.0	µg/L	10.0	ND	91.9	70-130			
Methyl Cyclohexane	9.47	1.0	µg/L	10.0	ND	94.7	70-130			
Methylene Chloride	11.5	5.0	µg/L	10.0	ND	115	70-130			
4-Methyl-2-pentanone (MIBK)	118	10	µg/L	100	ND	118	70-130			V-20
Naphthalene	9.06	2.0	µg/L	10.0	ND	90.6	70-130			
n-Propylbenzene	10.7	1.0	µg/L	10.0	ND	107	70-130			
Styrene	10.5	1.0	µg/L	10.0	ND	105	70-130			
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0	ND	105	70-130			
Tetrachloroethylene	11.6	1.0	µg/L	10.0	ND	116	70-130			
Toluene	9.97	1.0	µg/L	10.0	ND	99.7	70-130			
1,2,3-Trichlorobenzene	9.98	5.0	µg/L	10.0	ND	99.8	70-130			
1,2,4-Trichlorobenzene	9.91	1.0	µg/L	10.0	ND	99.1	70-130			
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0	ND	106	70-130			
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0	ND	102	70-130			
Trichloroethylene	10.7	1.0	µg/L	10.0	ND	107	70-130			
Trichlorofluoromethane (Freon 11)	11.7	2.0	µg/L	10.0	ND	117	70-130			
1,2,3-Trichloropropane	10.4	2.0	µg/L	10.0	ND	104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0	ND	107	70-130			
1,2,4-Trimethylbenzene	9.41	1.0	µg/L	10.0	ND	94.1	70-130			
1,3,5-Trimethylbenzene	10.6	1.0	µg/L	10.0	ND	106	70-130			
Vinyl Chloride	10.6	2.0	µg/L	10.0	ND	106	70-130			
m+p Xylene	21.9	2.0	µg/L	20.0	ND	110	70-130			
o-Xylene	10.9	1.0	µg/L	10.0	ND	109	70-130			
Xylenes (total)	32.8	1.0	µg/L	30.0	ND	109	0-200			

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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 B384099 - SW-846 5030B											
Matrix Spike (B384099-MS1)	**Source: 24H3367-11**			Prepared: 08/26/24 Analyzed: 08/27/24							
Surrogate: 1,2-Dichloroethane-d4	*24.4*		µg/L	25.0		97.8		70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0		70-130			
Surrogate: 4-Bromofluorobenzene	*27.0*		µg/L	25.0		108		70-130			
Matrix Spike Dup (B384099-MSD1)	**Source: 24H3367-11**			Prepared: 08/26/24 Analyzed: 08/27/24							
Acetone	145	50	µg/L	100	ND	**145**	*	70-130	2.27	30	MS-15
Benzene	9.57	1.0	µg/L	10.0	ND	95.7		70-130	3.40	30	
Bromochloromethane	11.8	1.0	µg/L	10.0	ND	118		70-130	1.53	30	V-20
Bromodichloromethane	11.3	0.50	µg/L	10.0	ND	113		70-130	2.33	30	
Bromoform	12.0	1.0	µg/L	10.0	ND	120		70-130	0.167	30	V-20
Bromomethane	9.13	2.0	µg/L	10.0	ND	91.3		70-130	2.44	30	
2-Butanone (MEK)	104	20	µg/L	100	ND	104		70-130	4.08	30	
n-Butylbenzene	9.29	1.0	µg/L	10.0	ND	92.9		70-130	2.62	30	
sec-Butylbenzene	9.42	1.0	µg/L	10.0	ND	94.2		70-130	2.80	30	
tert-Butylbenzene	10.1	1.0	µg/L	10.0	ND	101		70-130	2.40	30	
Carbon Disulfide	129	5.0	µg/L	100	ND	129		70-130	3.45	30	V-20
Carbon Tetrachloride	11.8	5.0	µg/L	10.0	ND	118		70-130	3.64	30	
Chlorobenzene	11.1	1.0	µg/L	10.0	ND	111		70-130	1.46	30	
Chlorodibromomethane	11.4	0.50	µg/L	10.0	ND	114		70-130	1.50	30	
Chloroethane	10.7	2.0	µg/L	10.0	ND	107		70-130	5.26	30	
Chloroform	10.5	2.0	µg/L	10.0	ND	105		70-130	0.764	30	
Chloromethane	13.7	2.0	µg/L	10.0	0.930	128		70-130	1.92	30	V-06
Cyclohexane	10.8	5.0	µg/L	10.0	ND	108		70-130	2.80	30	
1,2-Dibromo-3-chloropropane (DBCP)	9.02	5.0	µg/L	10.0	ND	90.2		70-130	2.58	30	
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0	ND	110		70-130	0.182	30	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0	ND	102		70-130	2.28	30	
1,3-Dichlorobenzene	9.98	1.0	µg/L	10.0	ND	99.8		70-130	2.54	30	
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0	ND	101		70-130	2.10	30	
Dichlorodifluoromethane (Freon 12)	11.1	2.0	µg/L	10.0	ND	111		70-130	9.32	30	
1,1-Dichloroethane	10.4	1.0	µg/L	10.0	ND	104		70-130	5.31	30	
1,2-Dichloroethane	9.84	1.0	µg/L	10.0	ND	98.4		70-130	0.102	30	
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0	ND	111		70-130	2.93	30	
cis-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0	0.290	101		70-130	3.63	30	
trans-1,2-Dichloroethylene	9.92	1.0	µg/L	10.0	ND	99.2		70-130	1.12	30	
1,2-Dichloropropane	11.0	1.0	µg/L	10.0	0.980	100		70-130	2.15	30	
cis-1,3-Dichloropropene	10.0	0.50	µg/L	10.0	ND	100		70-130	1.40	30	
trans-1,3-Dichloropropene	10.0	0.50	µg/L	10.0	ND	100		70-130	0.0997	30	
Ethylbenzene	10.7	1.0	µg/L	10.0	ND	107		70-130	0.843	30	
2-Hexanone (MBK)	114	10	µg/L	100	ND	114		70-130	1.06	30	
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.0	ND	109		70-130	0.647	30	
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0	ND	101		70-130	3.22	30	
Methyl Acetate	10.9	1.0	µg/L	10.0	ND	109		70-130	0.367	30	L-02, V-20
Methyl tert-Butyl Ether (MTBE)	9.37	1.0	µg/L	10.0	ND	93.7		70-130	1.94	30	
Methyl Cyclohexane	9.91	1.0	µg/L	10.0	ND	99.1		70-130	4.54	30	
Methylene Chloride	12.2	5.0	µg/L	10.0	ND	122		70-130	6.24	30	
4-Methyl-2-pentanone (MIBK)	117	10	µg/L	100	ND	117		70-130	0.0766	30	V-20
Naphthalene	9.03	2.0	µg/L	10.0	ND	90.3		70-130	0.332	30	
n-Propylbenzene	10.6	1.0	µg/L	10.0	ND	106		70-130	1.32	30	
Styrene	10.7	1.0	µg/L	10.0	ND	107		70-130	1.70	30	
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0	ND	105		70-130	0.476	30	
Tetrachloroethylene	11.9	1.0	µg/L	10.0	ND	119		70-130	2.89	30	
Toluene	10.4	1.0	µg/L	10.0	ND	104		70-130	4.41	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 B384099 - SW-846 5030B										
Matrix Spike Dup (B384099-MSD1)	**Source: 24H3367-11**			Prepared: 08/26/24 Analyzed: 08/27/24						
1,2,3-Trichlorobenzene	10.1	5.0	µg/L	10.0	ND	101	70-130	0.798	30	
1,2,4-Trichlorobenzene	10.2	1.0	µg/L	10.0	ND	102	70-130	2.88	30	
1,1,1-Trichloroethane	10.7	1.0	µg/L	10.0	ND	107	70-130	0.748	30	
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0	ND	105	70-130	3.00	30	
Trichloroethylene	11.0	1.0	µg/L	10.0	ND	110	70-130	2.58	30	
Trichlorofluoromethane (Freon 11)	12.0	2.0	µg/L	10.0	ND	120	70-130	2.44	30	
1,2,3-Trichloropropane	9.95	2.0	µg/L	10.0	ND	99.5	70-130	4.61	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	1.0	µg/L	10.0	ND	111	70-130	3.85	30	
1,2,4-Trimethylbenzene	9.61	1.0	µg/L	10.0	ND	96.1	70-130	2.10	30	
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0	ND	108	70-130	1.86	30	
Vinyl Chloride	11.3	2.0	µg/L	10.0	ND	113	70-130	6.13	30	
m+p Xylene	21.8	2.0	µg/L	20.0	ND	109	70-130	0.504	20	
o-Xylene	10.9	1.0	µg/L	10.0	ND	109	70-130	0.367	30	
Xylenes (total)	32.7	1.0	µg/L	30.0	ND	109	0-200	0.214		
Surrogate: 1,2-Dichloroethane-d4	*25.5*		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	*26.5*		µg/L	25.0		106	70-130			

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

QUALITY CONTROL

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B384099 - SW-846 5030B										
Blank (B384099-BLK1)				Prepared: 08/26/24 Analyzed: 08/27/24						
No TICs Found	0.0		µg/L							

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
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.
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.
Z-01	Compound quality level less than method required 80%. Analyst believes this is a valid hit.

con-test®
A Pace Analytical® Laboratory

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

24H3367 RM

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab:

ALPHA Job #:

Client Information
Client: NYS DEC - Jared Donaldson
Address: 625 Broadway
Albany, NY 12233
Phone: 518-402-9176
Fax:
Email: jared.donaldson@dec.ny.gov

Project Information
Project Name: Levey Property
Project Location: Copiague
Project #: 152201
(Use Project name as Project #) ☐
Project Manager: Jared Donaldson
ALPHAQuote #: 152153

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Cat B deliverables

Please specify Metals or TAL.

ANALYSIS
8260 - VOCs-TAL

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 - VOCs-TAL	Total Bottle
1	20240820 OFF3-CH4	8/20/24	13:06	GW	JSD	X	3
2	20240820 OFF4-CH2	8/20/24	13:09	GW	JSD	X	3
3	20240820 OFF4-CH4	8/20/24	~~13:30~~ 1420	GW	JSD	X	3
4	20240820 OFF3-CH5	8/20/24	14:10	GW	JSD	X	3
5	20240820 DUP	8/20/24	—	GW	JSD	X	3
6	20240820 OFF4-CH6	8/20/24		GW	JSD	X	3
7	20240820 EB	8/20/24	14:28	W	JSD	X	3
8	20240820 OFF3-CH6	8/20/24	14:55	GW	JSD	X	3
X	~~20240820 OFF5-CH2~~						
9	20240820 OFF5-CH2	8/20/24	15:53	GW	JSD	X	3

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Jared Donaldson	8/20/24 9:53	ASF PACE LI	8/21/24 9:57
ASF PACE LI	8/21/24 18:00	MSMA (AN) PACE	8/21 1830
MSMA (AN) PACE	8/21 2100		8/22/24 06:00
	8/22/24 0816		8/22/24 816

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

(W) 10

Form No: 01-25 HC (rev. 30-Sept-2013)

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24H3367 RM

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab:

ALPHA Job #:

Client Information
Client: NYS DEC
Address: 625 Broadway
Albany, NY 12233
Phone: 518-402-9176
Fax:
Email: jared.donaldson@dec.ny.gov

Project Information
Project Name: Levey Property
Project Location: Copiague
Project # 152201
(Use Project name as Project #) ☐
Project Manager: Jared Donaldson
ALPHAQuote #: 152153

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Cat B deliverables

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS
8260 - VOCs + TICs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260	Sample Specific Comments	Total Bottle
10	20240820 OFF5-CH4	8/20/24	1554	GW	JSD	X		3
11	20240821 OFF5-CH6	8/21/24	8:59	GW	JSD	X	Perform MS/MSD	9
12	20240821 TB	8/21/24	9:00	W	JSD	X	Trip Blank	2

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Jared Donaldson	8/21/24 9:53	ASP PACE LT	8/21/24 9:57
ASP PACE LT	8/21/24 18:00	MS MA (AM)	8/21 1830
MS MA (AM)	8/21 2100		8/22/24 0830
PACE	8/22/24 0814	PACE	8/22/24 06:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Client NY Dept. of Remediation (DEC)

Project Levey Properties

MCP/RCP Required no

Deliverable Package Requirement NY Cat. B

Location NY

PWSID# (When Applicable) n/a

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time ER 8/22/24 0816

Back-Sheet By / Date / Time Mcm 8/23/24 1432

Temperature Method Gun # 6

WV samples: Yes (see note*) / No (follow normal procedure)

Temp < 6° C Actual Temperature 2.7

Rush Samples: Yes / No Notify No

Short Hold: Yes / No Notify No

Notes regarding Samples/COC outside of SOP:

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

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

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☐

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: N/A ☐ ☐

Additional Container Notes

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

Qualtrax ID: 120836

Qualtrax ID: 120836

Sample	Soils Jars (Circle Amb/Clear)				Ambers						Plastics											VOA Vials				Other / Fill in				
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter			250mL		100mL	1 Liter		500mL		250mL							Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact			
					Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc								
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Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024