

October 10, 2022

Mr. Alexander Klein, ASP
NYSDEC, Division of Environmental Remediation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7015

Via email: alexander.klein@dec.ny.gov

Re: Progress Report: August 2022
Frost Street Sites: Site ID Nos. 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. Klein,

EnSafe Inc. is pleased to submit this Progress Report for the Frost Street Sites (Site ID Nos. 1-30043 I, L, M) for operation, maintenance, and monitoring (OM&M) activities completed in September 2022 for the onsite air sparge/soil vapor extraction (AS/SVE) and groundwater extraction systems.

Air Sparge/Soil Vapor Extraction System – Operable Unit 1

- AS/SVE system operations continued this month, per the OM&M Manual. During periodic visits, system parameters were logged on dedicated forms (Appendix A). During the month of September, no alarm calls were received.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on September 1 using Summa canisters. These samples were obtained by EnviroTrac, submitted to Phoenix Environmental Laboratories, and analyzed by Method TO-15. Results are included in Appendix B.
 - Photoionization detector (PID) readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [18,126 µg/m³]) continue to indicate significant mass extraction.
 - Effluent concentrations are below the carbon exchange indicator concentrations, as shown below.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800 ft ³ /min	
Compound	Annual Mass Emission Limit ¹ (lbs/year)	Carbon Exchange Required Indicator Concentration (µg/m ³) ²	September 2022 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	9.61
Tetrachloroethene	1,000	38,000	163
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	218

Notes:

ft/min cubic feet per minute

lbs/year pounds per year

µg/m³ micrograms per cubic meter

- 1 Source of Mass Emission Limit: Part 212-2.2 Table 2 — High Toxicity Air Contaminant List
- 2 These limits were calculated based on Frost Street-specific system operations (i.e., flow rate) in order to remain below the annual HTAC emissions listed in Part 212-2.2 Table 2. Remaining below these concentrations ensures that annual emissions will not exceed the limit which demonstrates compliance with Part 212 without having to perform compound-specific analyses.
- 3 Cis-1,2-dichloroethene is not a listed HTAC, so the default is 100 lbs/year.

Groundwater Extraction System – Operable Unit 2

The pumps in EX-1A, EX-1B, EX-1C, and EX-1D operated near design flow rates (30, 30, 48, and 48 gallons per minute, respectively) for all of September except for September 4 (unknown time) to September 9 at 10:30 AM to a power issue. To date, over 320 million gallons of water have been removed by this system.

Quarterly samples were collected from each operational extraction well on September 30 and analyzed for VOCs; a summary of the detected values is provided below. This data continues to indicate significant mass extraction. Full results for these events are provided in Appendix C; historical data is graphed in Appendix D.

Groundwater Extraction System Individual Extraction Well Data – Volatile Organic Compounds (ppb)				
Analyte	EX-1A	EX-1B	EX-1C	EX-1D
1,1,1-Trichloroethane	ND	ND	ND	0.82
1,1-Dichloroethane	ND	ND	ND	0.59
1,1-Dichloroethene	ND	ND	0.45	7.1
Carbon Tetrachloride	ND	ND	ND	0.61
Chloroform	ND	ND	ND	1
cis-1,2-Dichloroethene	2.2	8.4	0.75	4.4
Tetrachloroethene	40	230	32	98
Trichloroethene	3.9	8.7	3.4	23
Total VOCs	46.1	247.1	36.6	135.5

Note:

Based on analytical data, samples EX-1A and EX-1B appear to have been mislabeled. Results are attributed to the assumed correct location in this table and on the graphs. Results will be confirmed with a resample.

EnSafe collected and prepared the additional information requested by NYSDEC on February 21, 2019, (additional pressure transducer data and groundwater elevation maps) to facilitate review and comment on the *Expanded Pumping Test Summary, Findings, and Recommendations*, submitted on August 10, 2018. This information was transmitted to NYSDEC on March 22, 2019.

Groundwater Monitoring

The third quarter groundwater sampling event was performed the week of August 30. The electronic data deliverable will be submitted to NYSDEC in October 2022. Results will be submitted in the forthcoming *2022 Comprehensive Groundwater Monitoring Report*.

If you have any questions or require additional information, please do not hesitate to contact me at 860-665-1140 or astark@ensafe.com.

Sincerely,

EnSafe, Inc., by



Alexandra Stark, P.E.

Attachments

Copies:	A. Tamuno, Esq., NYSDEC	<i>Via email to amtamuno@gw.dec.state.ny.us</i>
	C. Bethoney, NYSDOH	<i>Via email to charlotte.bethoney@health.ny.gov</i>
	J. Nealon, NYSDOH	<i>Via email to jacquelyn.nealon@health.ny.gov</i>
	R. Putnam, NCDOH	<i>Via email to rputnam@nassaucountyny.gov</i>
	J. Vazquez, U.S. EPA	<i>Via email to vazquez.julio@epa.gov</i>
	T. Pupilla, Sanders Equities	<i>Via email to tpupilla@sandersequities.com</i>
	J. Privitera, Esq.	<i>Via email to jprivitera@woh.com</i>
	P. Coop, EnSafe	<i>Via email to pcoop@ensafe.com</i>
	J. Wilkinson, Envirotrac	<i>Via email to jamesw@envirotrac.com</i>

Appendix A
AS/SVE System Operation and Maintenance Logs

Ensafe-Frost Street
101 Frost Street
Westbury, NY

5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 1-Sep
Weather / Temp: Clear / 85 DEG
Technician / Operator: JW

Arrival Time: 14:00
Departure Time: 15:00

System Status											
		Arrival		Departure				Arrival		Departure	
SVE Blower 1 (ON/OFF)		ON		ON		AS Compressor 1 (ON/OFF)		OFF		ON	
SVE Blower 2 (ON/OFF)		OFF		OFF		AS Compressor 2 (ON/OFF)		OFF		OFF	
				Air Cooler (ON/OFF)				ON		ON	
Soil Vapor Extraction System											
Blower Air Velocity/Flow Rate (fpm)/(cfm)		4400		864		Blower 1 Total Runtime (hrs)				67,281.0	
Blower 1 Fresh Air Valve Open (%)		0				Blower 2 Total Runtime (hrs)				66,618.3	
Blower 2 Fresh Air Valve Open (%)		0				Blower 1 Air Filter Differential Pressure ("H2O)				0	
Blower Inlet Vacuum ("H2O)		54				Blower 2 Air Filter Differential Pressure ("H2O)				0	
Moisture Separator Vacuum ("Hg)		3				VGAC-1 Influent PID (ppm)				2.0	
VGAC-1 Influent Vacuum ("H2O)		44				VGAC-1 Effluent PID (ppm)				0.0	
VGAC-1 Effluent Vacuum ("H2O)		40				VGAC-2 Influent PID (ppm)				2.0	
VGAC-2 Influent Vacuum ("H2O)		40				VGAC-2 Effluent PID (ppm)				0.0	
VGAC-2 Effluent Vacuum ("H2O)		36				VGAC-3 Influent PID (ppm)				0.0	
VGAC-3 Influent Vacuum ("H2O)		50				VGAC-3 Effluent PID (ppm)				0.0	
VGAC-3 Effluent Vacuum ("H2O)		54				Blower Effluent PID (ppm)				0.0	
VGAC-3 Influent Temp (DegF)						Transfer Pump Total Runtime (hrs)				25,076.8	
Blower Effluent Pressure ("H2O)		9				Condensate Storage Tank Level (gal)				100	
SVE Manifold Legs - Vacuum/Flow Rate/PID											
		Vacuum	Velocity	Flow Rate	PID			Vacuum	Velocity	Flow Rate	PID
SVE-1	("H2O)/(FPM)/(cfm)/(ppm)	42	6500	142	1.0	SVE-4	("H2O)/(FPM)/(cfm)/(ppm)	35	4000	87	0.0
SVE-2	("H2O)/(FPM)/(cfm)/(ppm)	44	4000	87	3.0	SVE-5	("H2O)/(FPM)/(cfm)/(ppm)	46	2800	61	0.0
SVE-3	("H2O)/(FPM)/(cfm)/(ppm)	36	4700	103	0.0	SVE-6B	("H2O)/(FPM)/(cfm)/(ppm)	41	4500	98	7.0
SVE-3A	("H2O)/(FPM)/(cfm)/(ppm)	35	4000	87	0.0	SVE-7	("H2O)/(FPM)/(cfm)/(ppm)	38	2900	63	0.0
Air Sparge System											
Compressor 1 Pressure (psi)		12.5				Compressor 2 Pressure (psi)				Off	
Compressor 1 Runtime (hrs)		12,093.3				Compressor 2 Temperature (degF)				Off	
Air Cooler Inlet Temperature (degF)		225				Compressor 2 Regulator Pressure (psi)				Off	
Air Cooler Outlet Temperature (degF)		98				Compressor 2 Runtime (hrs)				40,734	
Air Cooler Inlet Pressure (psi)		16.5				AS Manifold Temperature (degF)				94	
Air Cooler Outlet Pressure (psi)		14.5				AS Manifold Pressure				13	
AS Manifold Legs - Pressure/Flow Rate											
		Pressure		Flow Rate				Pressure		Flow Rate	
AS-1	(psi)/(cfm)	0		10		AS-11	(psi)/(cfm)	14		8	
AS-2	(psi)/(cfm)	0		10		AS-12B	(psi)/(cfm)	15		11	
AS-3	(psi)/(cfm)	0		10		AS-13B	(psi)/(cfm)	15		11	
AS-4	(psi)/(cfm)	14.5		4		AS-14	(psi)/(cfm)	18		12	
AS-5	(psi)/(cfm)	15		10		AS-15	(psi)/(cfm)	16		12	
AS-6	(psi)/(cfm)	16		10		AS-16B	(psi)/(cfm)	15		12	
AS-7	(psi)/(cfm)	16		10		AS-17	(psi)/(cfm)	16		10	
AS-8	(psi)/(cfm)	15		10		AS-18	(psi)/(cfm)	18		13	
AS-9	(psi)/(cfm)	15		10		AS-19	(psi)/(cfm)	14		10	
AS-10B	(psi)/(cfm)	15		10							

Notes, Comments & Observations:

Inspection, Maintenance, Lubrication Schedule
Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services
5 Old Dock Road, Yaphank, NY 11980
(631)924-3001, Fax (631)924-5001

Date: 1-Sep
Weather / Temp: Clear / 85 DEG
Technician / Operator: JW

Arrival Time: 14:00
Departure Time: 15:00

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 4/27/22
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 4/27/22
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	Y	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	N	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 7/15/22
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
Air Cooler			
-Inspect	Weekly	Y	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

Appendix B
AS/SVE System Influent/Effluent Sampling
Laboratory Analytical Results



Monday, September 12, 2022

Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Project ID: ENSAFE-WESTBURY
SDG ID: GCM23899
Sample ID#s: CM23899 - CM23900

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

September 12, 2022

SDG I.D.: GCM23899

Project ID: ENSAFE-WESTBURY

Client Id	Lab Id	Matrix
SVE EFFLUENT	CM23899	AIR
SVE INFLUENT	CM23900	AIR



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 12, 2022

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: AIR
Location Code: ENVIROTR
Rush Request: Standard
P.O.#:
Canister Id: 719

Custody Information

Collected by: JW
Received by: CP
Analyzed by: see "By" below

Date

09/01/22 14:26
09/06/22 18:02

Time

Laboratory Data

SDG ID: GCM23899
Phoenix ID: CM23899

Project ID: ENSAFE-WESTBURY
Client ID: SVE EFFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.583	ND	4.00	09/08/22	KCA	4
1,1,1-Trichloroethane	0.908	0.734	4.95	4.00	09/08/22	KCA	4
1,1,2,2-Tetrachloroethane	ND	0.583	ND	4.00	09/08/22	KCA	4
1,1,2-Trichloroethane	ND	0.734	ND	4.00	09/08/22	KCA	4
1,1-Dichloroethane	ND	0.989	ND	4.00	09/08/22	KCA	4
1,1-Dichloroethene	0.380	0.202	1.51	0.80	09/08/22	KCA	4
1,2,4-Trichlorobenzene	ND	0.539	ND	4.00	09/08/22	KCA	4
1,2,4-Trimethylbenzene	ND	0.814	ND	4.00	09/08/22	KCA	4
1,2-Dibromoethane(EDB)	ND	0.521	ND	4.00	09/08/22	KCA	4
1,2-Dichlorobenzene	ND	0.666	ND	4.00	09/08/22	KCA	4
1,2-Dichloroethane	ND	0.989	ND	4.00	09/08/22	KCA	4
1,2-dichloropropane	ND	0.866	ND	4.00	09/08/22	KCA	4
1,2-Dichlorotetrafluoroethane	ND	0.573	ND	4.00	09/08/22	KCA	4
1,3,5-Trimethylbenzene	ND	0.814	ND	4.00	09/08/22	KCA	4
1,3-Butadiene	ND	1.81	ND	4.00	09/08/22	KCA	4
1,3-Dichlorobenzene	ND	0.666	ND	4.00	09/08/22	KCA	4
1,4-Dichlorobenzene	ND	0.666	ND	4.00	09/08/22	KCA	4
1,4-Dioxane	ND	1.11	ND	4.00	09/08/22	KCA	4
2-Hexanone(MBK)	ND	0.977	ND	4.00	09/08/22	KCA	4
4-Ethyltoluene	ND	0.814	ND	4.00	09/08/22	KCA	4
4-Isopropyltoluene	ND	0.729	ND	4.00	09/08/22	KCA	4
4-Methyl-2-pentanone(MIBK)	ND	0.977	ND	4.00	09/08/22	KCA	4
Acetone	2.00	1.68	4.75	3.99	09/08/22	KCA	4
Acrylonitrile	ND	1.84	ND	3.99	09/08/22	KCA	4
Benzene	ND	1.25	ND	3.99	09/08/22	KCA	4
Benzyl chloride	ND	0.773	ND	4.00	09/08/22	KCA	4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.597	ND	4.00	09/08/22	KCA	4
Bromoform	ND	0.387	ND	4.00	09/08/22	KCA	4
Bromomethane	ND	1.03	ND	4.00	09/08/22	KCA	4
Carbon Disulfide	ND	1.29	ND	4.01	09/08/22	KCA	4
Carbon Tetrachloride	ND	0.127	ND	0.80	09/08/22	KCA	4
Chlorobenzene	ND	0.869	ND	4.00	09/08/22	KCA	4
Chloroethane	ND	1.52	ND	4.01	09/08/22	KCA	4
Chloroform	ND	0.820	ND	4.00	09/08/22	KCA	4
Chloromethane	ND	1.94	ND	4.00	09/08/22	KCA	4
Cis-1,2-Dichloroethene	54.9	0.202	218	0.80	09/08/22	KCA	4
cis-1,3-Dichloropropene	ND	0.882	ND	4.00	09/08/22	KCA	4
Cyclohexane	ND	1.16	ND	3.99	09/08/22	KCA	4
Dibromochloromethane	ND	0.470	ND	4.00	09/08/22	KCA	4
Dichlorodifluoromethane	ND	0.809	ND	4.00	09/08/22	KCA	4
Ethanol	98.5	2.12	185	3.99	09/08/22	KCA	4
Ethyl acetate	ND	1.11	ND	4.00	09/08/22	KCA	4
Ethylbenzene	ND	0.922	ND	4.00	09/08/22	KCA	4
Heptane	ND	0.977	ND	4.00	09/08/22	KCA	4
Hexachlorobutadiene	ND	0.375	ND	4.00	09/08/22	KCA	4
Hexane	ND	1.14	ND	4.02	09/08/22	KCA	4
Isopropylalcohol	3.77	1.63	9.26	4.00	09/08/22	KCA	4
Isopropylbenzene	ND	0.814	ND	4.00	09/08/22	KCA	4
m,p-Xylene	ND	0.922	ND	4.00	09/08/22	KCA	4
Methyl Ethyl Ketone	ND	1.36	ND	4.01	09/08/22	KCA	4
Methyl tert-butyl ether(MTBE)	ND	1.11	ND	4.00	09/08/22	KCA	4
Methylene Chloride	ND	3.45	ND	12.0	09/08/22	KCA	4
n-Butylbenzene	ND	0.729	ND	4.00	09/08/22	KCA	4
o-Xylene	ND	0.922	ND	4.00	09/08/22	KCA	4
Propylene	ND	2.33	ND	4.01	09/08/22	KCA	4
sec-Butylbenzene	ND	0.729	ND	4.00	09/08/22	KCA	4
Styrene	ND	0.940	ND	4.00	09/08/22	KCA	4
Tetrachloroethene	24.1	0.148	163	1.00	09/08/22	KCA	4
Tetrahydrofuran	ND	1.36	ND	4.01	09/08/22	KCA	4
Toluene	ND	1.06	ND	3.99	09/08/22	KCA	4
Trans-1,2-Dichloroethene	ND	1.01	ND	4.00	09/08/22	KCA	4
trans-1,3-Dichloropropene	ND	0.882	ND	4.00	09/08/22	KCA	4
Trichloroethene	1.79	0.148	9.6	0.79	09/08/22	KCA	4
Trichlorofluoromethane	ND	0.712	ND	4.00	09/08/22	KCA	4
Trichlorotrifluoroethane	ND	0.522	ND	4.00	09/08/22	KCA	4
Vinyl Chloride	ND	0.312	ND	0.80	09/08/22	KCA	4
<u>QA/OC Surrogates/Internals</u>							
% Bromofluorobenzene (4x)	98	%	98	%	09/08/22	KCA	4
% IS-1,4-Difluorobenzene (4x)	92	%	92	%	09/08/22	KCA	4
% IS-Bromochloromethane (4x)	97	%	97	%	09/08/22	KCA	4
% IS-Chlorobenzene-d5 (4x)	91	%	91	%	09/08/22	KCA	4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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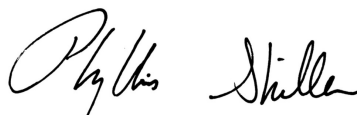
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 12, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 12, 2022

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: AIR
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:
Canister Id: 766

Custody Information

Collected by: JW
Received by: CP
Analyzed by: see "By" below

Date

09/01/22 14:31
09/06/22 18:02

Time

Laboratory Data

SDG ID: GCM23899
Phoenix ID: CM23900

Project ID: ENSAFE-WESTBURY
Client ID: SVE INFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	09/08/22	KCA	5
1,1,1-Trichloroethane	ND	0.917	ND	5.00	09/08/22	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	09/08/22	KCA	5
1,1,2-Trichloroethane	ND	0.917	ND	5.00	09/08/22	KCA	5
1,1-Dichloroethane	ND	1.24	ND	5.02	09/08/22	KCA	5
1,1-Dichloroethene	ND	0.252	ND	1.00	09/08/22	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	09/08/22	KCA	5
1,2,4-Trimethylbenzene	ND	1.02	ND	5.01	09/08/22	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	09/08/22	KCA	5
1,2-Dichlorobenzene	ND	0.832	ND	5.00	09/08/22	KCA	5
1,2-Dichloroethane	ND	1.24	ND	5.02	09/08/22	KCA	5
1,2-dichloropropane	ND	1.08	ND	4.99	09/08/22	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	09/08/22	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	ND	5.01	09/08/22	KCA	5
1,3-Butadiene	ND	2.26	ND	5.00	09/08/22	KCA	5
1,3-Dichlorobenzene	ND	0.832	ND	5.00	09/08/22	KCA	5
1,4-Dichlorobenzene	ND	0.832	ND	5.00	09/08/22	KCA	5
1,4-Dioxane	ND	1.39	ND	5.01	09/08/22	KCA	5
2-Hexanone(MBK)	ND	1.22	ND	4.99	09/08/22	KCA	5
4-Ethyltoluene	ND	1.02	ND	5.01	09/08/22	KCA	5
4-Isopropyltoluene	ND	0.911	ND	5.00	09/08/22	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	09/08/22	KCA	5
Acetone	4.32	2.11	10.3	5.01	09/08/22	KCA	5
Acrylonitrile	ND	2.31	ND	5.01	09/08/22	KCA	5
Benzene	ND	1.57	ND	5.01	09/08/22	KCA	5
Benzyl chloride	ND	0.966	ND	5.00	09/08/22	KCA	5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	09/08/22	KCA	5	
Bromoform	ND	0.484	ND	5.00	09/08/22	KCA	5	
Bromomethane	ND	1.29	ND	5.01	09/08/22	KCA	5	
Carbon Disulfide	ND	1.61	ND	5.01	09/08/22	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	09/08/22	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	09/08/22	KCA	5	
Chloroethane	ND	1.90	ND	5.01	09/08/22	KCA	5	
Chloroform	ND	1.02	ND	4.98	09/08/22	KCA	5	
Chloromethane	ND	2.42	ND	4.99	09/08/22	KCA	5	
Cis-1,2-Dichloroethene	69.3	0.252	275	1.00	09/08/22	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	09/08/22	KCA	5	
Cyclohexane	ND	1.45	ND	4.99	09/08/22	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	09/08/22	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	09/08/22	KCA	5	
Ethanol	77.1	2.66	145	5.01	09/08/22	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	09/08/22	KCA	5	1
Ethylbenzene	ND	1.15	ND	4.99	09/08/22	KCA	5	
Heptane	ND	1.22	ND	5.00	09/08/22	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	09/08/22	KCA	5	
Hexane	ND	1.42	ND	5.00	09/08/22	KCA	5	
Isopropylalcohol	3.01	2.04	7.39	5.01	09/08/22	KCA	5	
Isopropylbenzene	ND	1.02	ND	5.01	09/08/22	KCA	5	
m,p-Xylene	ND	1.15	ND	4.99	09/08/22	KCA	5	
Methyl Ethyl Ketone	ND	1.70	ND	5.01	09/08/22	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	09/08/22	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	09/08/22	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	09/08/22	KCA	5	1
o-Xylene	ND	1.15	ND	4.99	09/08/22	KCA	5	
Propylene	ND	2.91	ND	5.01	09/08/22	KCA	5	1
sec-Butylbenzene	ND	0.911	ND	5.00	09/08/22	KCA	5	1
Styrene	ND	1.17	ND	4.98	09/08/22	KCA	5	
Tetrachloroethene	2500	5.53	16900	37.5	09/09/22	KCA	150	
Tetrahydrofuran	ND	1.70	ND	5.01	09/08/22	KCA	5	1
Toluene	ND	1.33	ND	5.01	09/08/22	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	09/08/22	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	09/08/22	KCA	5	
Trichloroethene	177	5.55	951	29.8	09/09/22	KCA	150	
Trichlorofluoromethane	ND	0.891	ND	5.00	09/08/22	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	09/08/22	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	09/08/22	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	94	%	94	%	09/08/22	KCA	5	
% IS-1,4-Difluorobenzene (5x)	83	%	83	%	09/08/22	KCA	5	
% IS-Bromochloromethane (5x)	89	%	89	%	09/08/22	KCA	5	
% IS-Chlorobenzene-d5 (5x)	94	%	94	%	09/08/22	KCA	5	
% Bromofluorobenzene (150x)	93	%	93	%	09/09/22	KCA	150	
% IS-1,4-Difluorobenzene (150x)	87	%	87	%	09/09/22	KCA	150	
% IS-Bromochloromethane (150x)	91	%	91	%	09/09/22	KCA	150	
% IS-Chlorobenzene-d5 (150x)	93	%	93	%	09/09/22	KCA	150	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 12, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Canister Sampling Information

September 12, 2022

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Location Code: ENVIOTR

SDG I.D.: GCM23899

Project ID: ENSAFE-WESTBURY

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SVE EFFLUENT	CM23899	719	1.4L		08/29/22	-30	-17						09/01/22 14:25	09/01/22 14:26
SVE INFLUENT	CM23900	766	1.4L		08/29/22	-30	-8						09/01/22 14:30	09/01/22 14:31



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Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

September 12, 2022

QA/QC Data

SDG I.D.: GCM23899

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 641076 (ppbv), QC Sample No: CM24214 (CM23899 (4X) , CM23900 (5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.038	ND	0.26	95	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.250	ND	1.36	97	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.010	ND	0.07	99	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.010	ND	0.05	101	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.075	ND	0.30	96	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.010	ND	0.04	99	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.027	ND	0.20	165	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.250	ND	1.23	114	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.010	ND	0.08	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.050	ND	0.30	113	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.010	ND	0.04	98	0.07	0.05	0.017	0.013	NC	70 - 130	25
1,2-dichloropropane	ND	0.010	ND	0.05	95	0.07	0.07	0.015	0.015	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.250	ND	1.75	93	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.250	ND	1.23	118	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.250	ND	0.55	89	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.050	ND	0.30	109	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.040	ND	0.24	126	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.065	ND	0.23	101	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.250	ND	1.02	104	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.250	ND	1.23	106	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.250	ND	1.37	98	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.250	ND	1.02	99	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.375	ND	0.89	88	74.3 E	75.0	31.3 E	31.6	1.0	70 - 130	25
Acrylonitrile	ND	0.250	ND	0.54	84	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.100	ND	0.32	102	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.250	ND	1.29	125	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.010	ND	0.07	95	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.075	ND	0.77	99	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.070	ND	0.27	92	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.250	ND	0.78	98	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.043	ND	0.27	95	0.45	0.47	0.072	0.074	NC	70 - 130	25
Chlorobenzene	ND	0.100	ND	0.46	97	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.250	ND	0.66	91	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.100	ND	0.49	96	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.250	ND	0.52	88	0.95	0.94	0.462	0.456	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.100	ND	0.40	107	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.050	ND	0.23	102	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.250	ND	0.86	95	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.010	ND	0.09	83	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.250	ND	1.24	95	2.14	2.21	0.434	0.447	NC	70 - 130	25
Ethanol	ND	0.375	ND	0.71	100	262 E	264	139 E	140	0.7	70 - 130	25

QA/QC Data

SDG I.D.: GCM23899

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	0.250	ND	0.90	84	3.19	3.35	0.885	0.930	NC	70 - 130	25
Ethylbenzene	ND	0.250	ND	1.08	106	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.250	ND	1.02	99	4.79	4.63	1.17	1.13	NC	70 - 130	25
Hexachlorobutadiene	ND	0.010	ND	0.11	133	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.225	ND	0.79	108	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.375	ND	0.92	93	762 E	769	310 E	313	1.0	70 - 130	25
Isopropylbenzene	ND	0.250	ND	1.23	99	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.500	ND	2.17	109	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.225	ND	0.66	96	1.96	1.97	0.664	0.669	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.250	ND	0.90	106	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	1.50	ND	5.21	91	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.250	ND	1.37	96	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.250	ND	1.08	107	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.250	ND	0.43	97	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.250	ND	1.37	97	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.100	ND	0.43	112	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.050	ND	0.34	99	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	0.250	ND	0.74	103	0.89	0.92	0.303	0.313	NC	70 - 130	25
Toluene	ND	0.250	ND	0.94	103	5.08	5.05	1.35	1.34	0.7	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.100	ND	0.40	99	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.250	ND	1.13	103	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.025	ND	0.13	99	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.250	ND	1.40	93	11.1	11.5	1.98	2.04	3.0	70 - 130	25
Trichlorotrifluoroethane	ND	0.250	ND	1.91	98	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.010	ND	0.03	91	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	95	%	95	%	106	102	100	102	100	NC	70 - 130	25
% IS-1,4-Difluorobenzene	100	%	100	%	104	102	101	102	101	NC	60 - 140	25
% IS-Bromochloromethane	97	%	97	%	102	103	103	103	103	NC	60 - 140	25
% IS-Chlorobenzene-d5	98	%	98	%	111	104	105	104	105	NC	60 - 140	25

QA/QC Batch 641357 (ppbv), QC Sample No: CM24921 (CM23900 (150X))

Volatiles

Tetrachloroethene	ND	0.037	ND	0.25	98	0.68	0.75	0.100	0.110	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	97	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	93	%	93	%	104	101	101	101	101	NC	70 - 130	25
% IS-1,4-Difluorobenzene	97	%	97	%	106	96	90	96	90	NC	60 - 140	25
% IS-Bromochloromethane	96	%	96	%	101	101	95	101	95	NC	60 - 140	25
% IS-Chlorobenzene-d5	99	%	99	%	116	100	92	100	92	NC	60 - 140	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

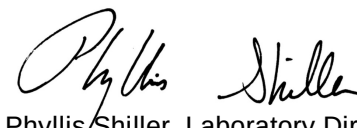
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director
September 12, 2022

Monday, September 12, 2022

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCM23899 - ENVIROTR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

September 12, 2022

SDG I.D.: GCM23899

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

Appendix C
Groundwater Extraction System Water Samples
Laboratory Analytical Results



Wednesday, October 05, 2022

Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Project ID: FROST STREET-OU2
SDG ID: GCM45572
Sample ID#s: CM45572 - CM45576

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Sample Id Cross Reference

October 05, 2022

SDG I.D.: GCM45572

Project ID: FROST STREET-OU2

Client Id	Lab Id	Matrix
EX-1A	CM45572	GROUND WATER
EX-1B	CM45573	GROUND WATER
EX-1C	CM45574	GROUND WATER
EX-1D	CM45575	GROUND WATER
TRIP BLANK	CM45576	GROUND WATER



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 05, 2022

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: GROUND WATER
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/29/22
09/29/22

Time

9:00
17:45

Laboratory Data

SDG ID: GCM45572
Phoenix ID: CM45572

Project ID: FROST STREET-OU2
Client ID: EX-1A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Benzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromomethane	ND	2.0	0.50	ug/L	1	09/30/22	HM	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
cis-1,2-Dichloroethene	8.4	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/30/22	HM	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	09/30/22	HM	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	09/30/22	HM	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	2.0	0.25	ug/L	1	09/30/22	HM	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	09/30/22	HM	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	09/30/22	HM	E624.1
Tetrachloroethene	230	5.0	2.5	ug/L	10	10/02/22	HM	E624.1
Toluene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/30/22	HM	E624.1
Trichloroethene	8.7	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	09/30/22	HM	70 - 130 %
% Bromofluorobenzene	96			%	1	09/30/22	HM	70 - 130 %
% Dibromofluoromethane	101			%	1	09/30/22	HM	70 - 130 %
% Toluene-d8	101			%	1	09/30/22	HM	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	101			%	10	10/02/22	HM	70 - 130 %
% Bromofluorobenzene (10x)	96			%	10	10/02/22	HM	70 - 130 %
% Dibromofluoromethane (10x)	101			%	10	10/02/22	HM	70 - 130 %
% Toluene-d8 (10x)	102			%	10	10/02/22	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

October 05, 2022

Reviewed and Released by: Anil Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 05, 2022

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: GROUND WATER
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/29/22
09/29/22

Time

9:02
17:45

Laboratory Data

SDG ID: GCM45572
Phoenix ID: CM45573

Project ID: FROST STREET-OU2
Client ID: EX-1B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Benzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromomethane	ND	2.0	0.50	ug/L	1	09/30/22	HM	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
cis-1,2-Dichloroethene	2.2	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/30/22	HM	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	09/30/22	HM	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	09/30/22	HM	E624.1

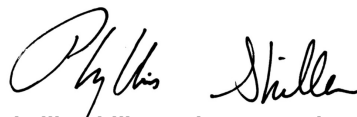
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	2.0	0.25	ug/L	1	09/30/22	HM	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	09/30/22	HM	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	09/30/22	HM	E624.1
Tetrachloroethene	40	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Toluene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/30/22	HM	E624.1
Trichloroethene	3.9	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/30/22	HM	70 - 130 %
% Bromofluorobenzene	95			%	1	09/30/22	HM	70 - 130 %
% Dibromofluoromethane	101			%	1	09/30/22	HM	70 - 130 %
% Toluene-d8	101			%	1	09/30/22	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

October 05, 2022

Reviewed and Released by: Anil Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 05, 2022

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: GROUND WATER
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/29/22
09/29/22

Time

9:04
17:45

Laboratory Data

SDG ID: GCM45572
Phoenix ID: CM45574

Project ID: FROST STREET-OU2
Client ID: EX-1C

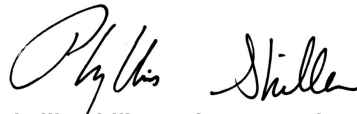
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1-Dichloroethene	0.45	J 0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Benzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromomethane	ND	2.0	0.50	ug/L	1	09/30/22	HM	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
cis-1,2-Dichloroethene	0.75	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/30/22	HM	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	09/30/22	HM	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	09/30/22	HM	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	2.0	0.25	ug/L	1	09/30/22	HM	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	09/30/22	HM	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	09/30/22	HM	E624.1
Tetrachloroethene	32	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Toluene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/30/22	HM	E624.1
Trichloroethene	3.4	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/30/22	HM	70 - 130 %
% Bromofluorobenzene	97			%	1	09/30/22	HM	70 - 130 %
% Dibromofluoromethane	100			%	1	09/30/22	HM	70 - 130 %
% Toluene-d8	101			%	1	09/30/22	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

October 05, 2022

Reviewed and Released by: Anil Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 05, 2022

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: GROUND WATER
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/29/22
09/29/22

Time

9:06
17:45

Laboratory Data

SDG ID: GCM45572
Phoenix ID: CM45575

Project ID: FROST STREET-OU2
Client ID: EX-1D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	0.82	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
1,1-Dichloroethane	0.59	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
1,1-Dichloroethene	7.1	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Benzene	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Bromomethane	ND	2.0	0.50	ug/L	1	10/01/22	HM	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Carbon tetrachloride	0.61	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Chloroform	1.0	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
cis-1,2-Dichloroethene	4.4	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/01/22	HM	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	10/01/22	HM	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	10/01/22	HM	E624.1

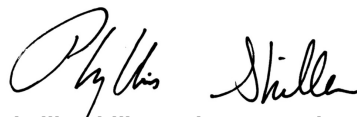
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	2.0	0.25	ug/L	1	10/01/22	HM	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	10/01/22	HM	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	10/01/22	HM	E624.1
Tetrachloroethene	98	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Toluene	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	10/01/22	HM	E624.1
Trichloroethene	23	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	10/01/22	HM	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	10/01/22	HM	70 - 130 %
% Bromofluorobenzene	97			%	1	10/01/22	HM	70 - 130 %
% Dibromofluoromethane	100			%	1	10/01/22	HM	70 - 130 %
% Toluene-d8	101			%	1	10/01/22	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

October 05, 2022

Reviewed and Released by: Anil Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 05, 2022

FOR: Attn: James Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information

Matrix: GROUND WATER
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

09/29/22

Time

17:45

Laboratory Data

SDG ID: GCM45572
Phoenix ID: CM45576

Project ID: FROST STREET-OU2
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Benzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Bromomethane	ND	2.0	0.50	ug/L	1	09/30/22	HM	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/30/22	HM	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	09/30/22	HM	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	09/30/22	HM	E624.1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	2.0	0.25	ug/L	1	09/30/22	HM	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	09/30/22	HM	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	09/30/22	HM	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Toluene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	09/30/22	HM	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	09/30/22	HM	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	09/30/22	HM	70 - 130 %
% Bromofluorobenzene	96			%	1	09/30/22	HM	70 - 130 %
% Dibromofluoromethane	102			%	1	09/30/22	HM	70 - 130 %
% Toluene-d8	100			%	1	09/30/22	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
 The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

October 05, 2022

Reviewed and Released by: Anil Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

October 05, 2022

QA/QC Data

SDG I.D.: GCM45572

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 644952 (ug/L), QC Sample No: CM45753 (CM45572, CM45573, CM45574, CM45575, CM45576)										
Volatiles - Ground Water										
1,1,1-Trichloroethane	ND	1.0	104	100	3.9	108	104	3.8	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	100	99	1.0	102	103	1.0	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	101	102	1.0	107	104	2.8	71 - 129	20
1,1-Dichloroethane	ND	1.0	101	99	2.0	109	104	4.7	72 - 128	20
1,1-Dichloroethene	ND	1.0	102	102	0.0	113	111	1.8	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	99	103	4.0	104	106	1.9	63 - 137	20
1,2-Dichloroethane	ND	1.0	101	100	1.0	105	105	0.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	102	103	1.0	109	105	3.7	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	101	102	1.0	104	102	1.9	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	100	102	2.0	105	103	1.9	63 - 137	20
Benzene	ND	0.70	101	104	2.9	109	108	0.9	64 - 136	20
Bromodichloromethane	ND	0.50	104	104	0.0	107	107	0.0	65 - 135	20
Bromoform	ND	1.0	111	108	2.7	101	104	2.9	71 - 129	20
Bromomethane	ND	1.0	95	112	16.4	94	104	10.1	40 - 160	20
Carbon Disulfide	ND	1.0	95	95	0.0	107	104	2.8	70 - 130	30
Carbon tetrachloride	ND	1.0	101	105	3.9	101	98	3.0	73 - 127	20
Chlorobenzene	ND	1.0	100	102	2.0	107	103	3.8	66 - 134	20
Chloroethane	ND	1.0	101	97	4.0	112	107	4.6	40 - 160	20
Chloroform	ND	1.0	99	100	1.0	109	104	4.7	67 - 133	20
Chloromethane	ND	1.0	94	94	0.0	102	104	1.9	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	99	96	3.1	104	106	1.9	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	104	103	1.0	104	102	1.9	40 - 160	20
Dibromochloromethane	ND	0.50	104	105	1.0	103	101	2.0	67 - 133	20
Ethylbenzene	ND	1.0	103	104	1.0	109	105	3.7	59 - 141	20
m&p-Xylene	ND	1.0	105	104	1.0	111	105	5.6	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	99	96	3.1	103	102	1.0	70 - 130	30
Methylene chloride	ND	1.0	97	95	2.1	104	101	2.9	60 - 140	20
Naphthalene	ND	1.0	100	96	4.1	88	100	12.8	70 - 130	30
o-Xylene	ND	1.0	101	103	2.0	107	104	2.8	70 - 130	30
Tetrachloroethene	ND	1.0	108	109	0.9	114	111	2.7	73 - 127	20
Toluene	ND	1.0	102	103	1.0	112	109	2.7	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	100	99	1.0	105	102	2.9	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	103	103	0.0	101	101	0.0	50 - 150	20
Trichloroethene	ND	1.0	105	106	0.9	110	106	3.7	66 - 134	20
Trichlorofluoromethane	ND	1.0	104	104	0.0	111	110	0.9	48 - 152	20
Vinyl chloride	ND	1.0	106	108	1.9	118	110	7.0	40 - 160	20
% 1,2-dichlorobenzene-d4	99	%	99	100	1.0	100	100	0.0	70 - 130	30
% Bromofluorobenzene	97	%	102	101	1.0	99	99	0.0	70 - 130	30
% Dibromofluoromethane	101	%	100	98	2.0	102	101	1.0	70 - 130	30
% Toluene-d8	100	%	101	101	0.0	101	102	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GCM45572

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 644979 (ug/L), QC Sample No: CM46409 (CM45572 (10X))

Volatiles - Ground Water

Tetrachloroethene	ND	1.0	102	102	0.0	91		73 - 127	20
% 1,2-dichlorobenzene-d4	101	%	100	101	1.0	101		70 - 130	30
% Bromofluorobenzene	96	%	100	101	1.0	100		70 - 130	30
% Dibromofluoromethane	103	%	99	102	3.0	101		70 - 130	30
% Toluene-d8	101	%	102	101	1.0	102		70 - 130	30

Comment:

A blank MS was analyzed with this batch.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

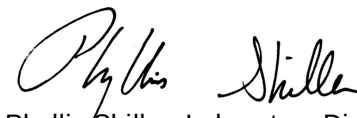
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

October 05, 2022

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCM45572 - ENVIROTR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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Analysis Comments

October 05, 2022

SDG I.D.: GCM45572

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



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NY Temperature Narration

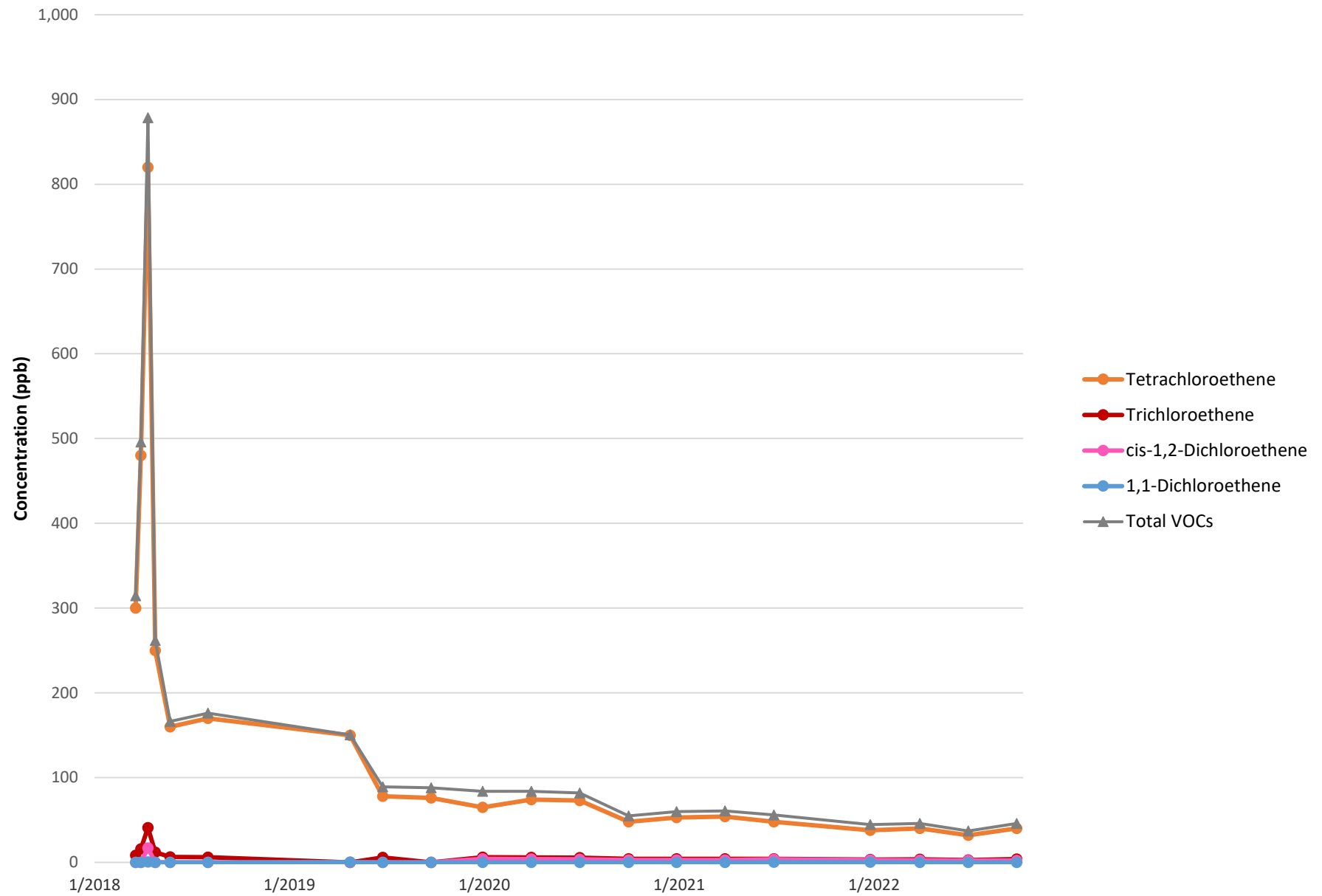
October 05, 2022

SDG I.D.: GCM45572

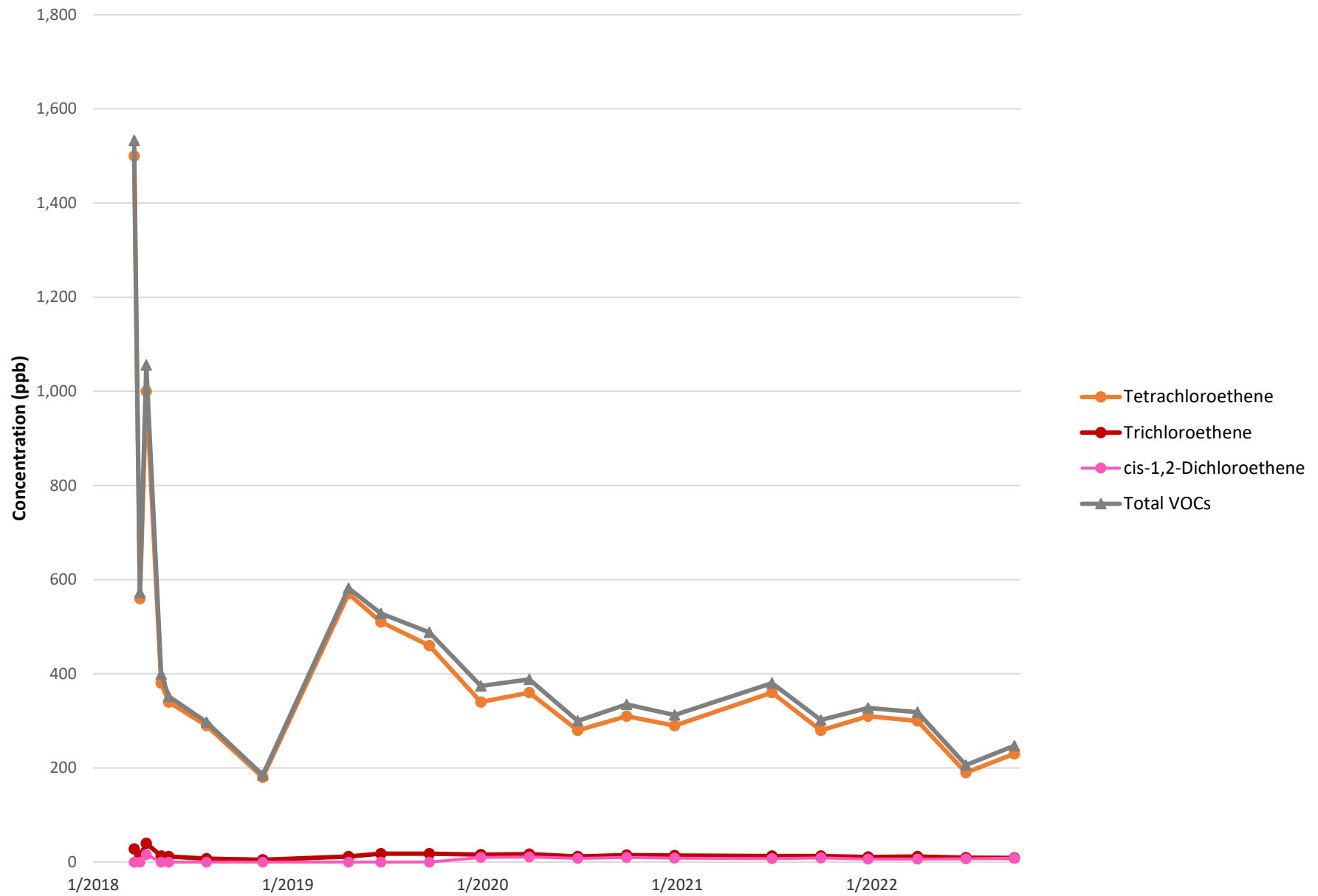
The samples in this delivery group were received at 1.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix D
Groundwater Extraction Well Sampling
Historical Results

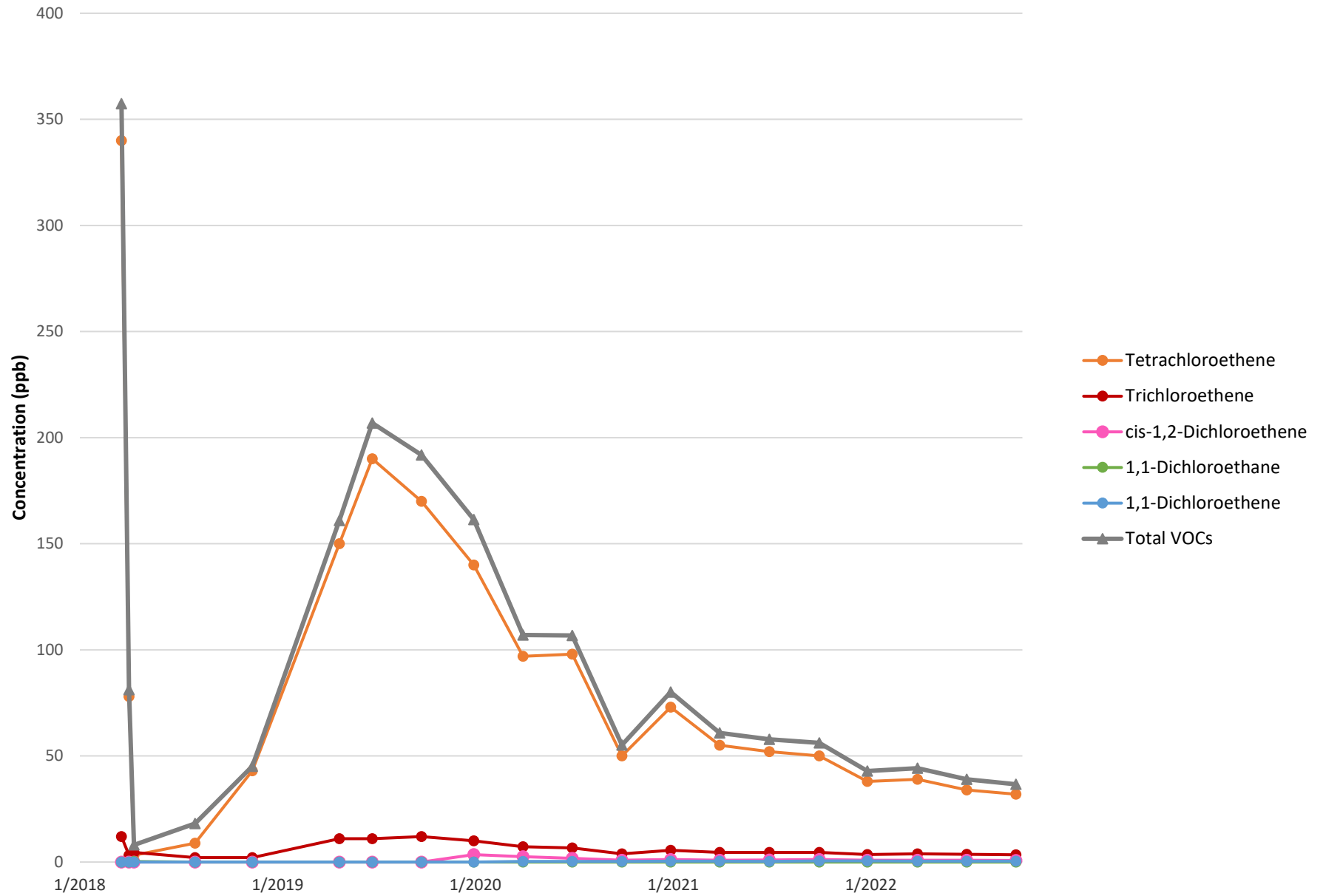
EX-1A



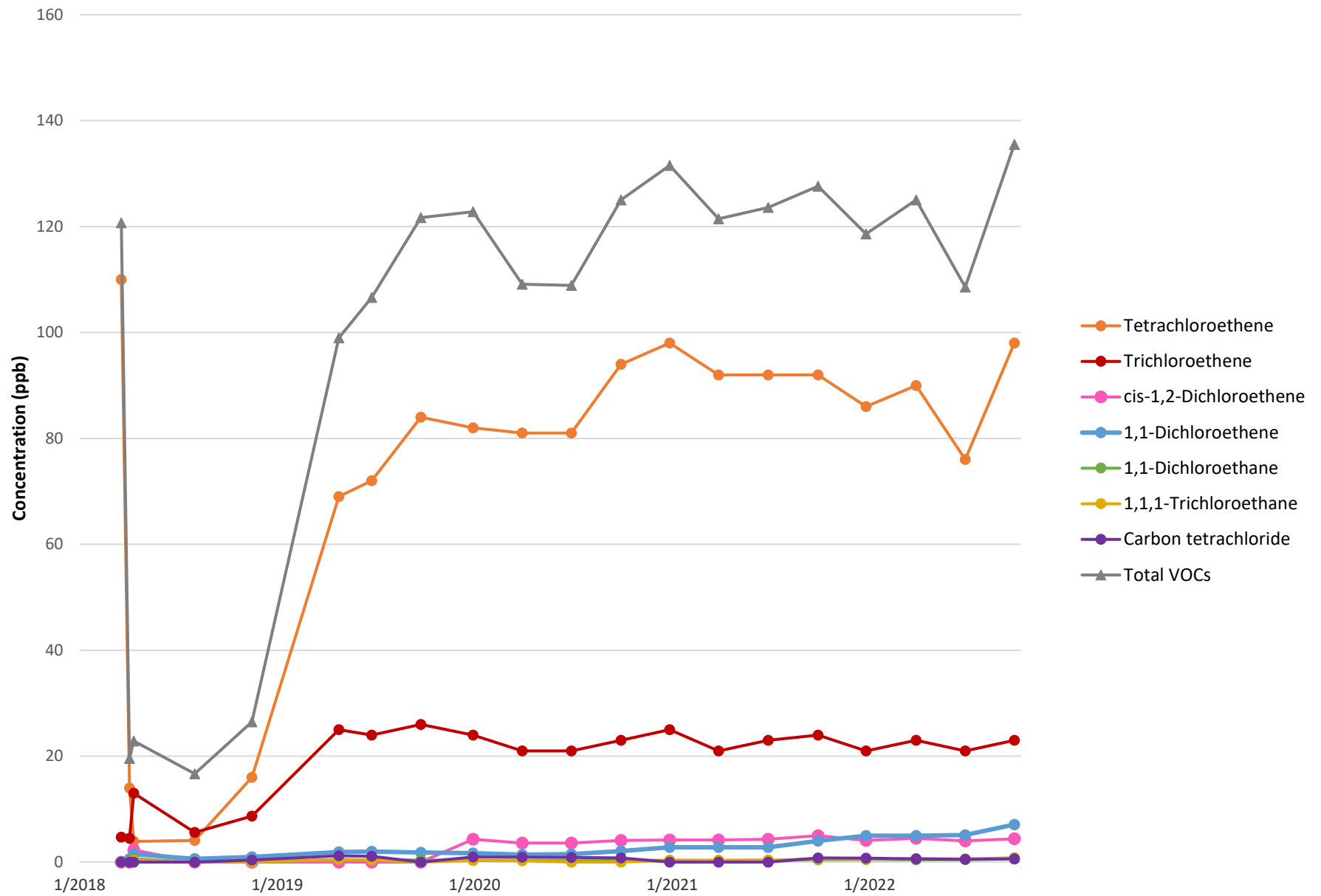
EX-1B



EX-1C



EX-1D



All Wells - Total VOCs

