

April 10, 2023

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: March 2023
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 March 2023 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 March, one alarm call was received on March 4; the system was restarted on March 6.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on March 10 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 continue to indicate significant mass extraction. Influent analytical data is not available for March; either the summa canister was compromised, or the sample was not closed properly prior to shipment to the laboratory.
- 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	March 2023 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	0.9
Tetrachloroethene	1,000	38,000	2.31
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	0.23

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.

- System condensate water was discharged from the holding tank to the sewer via the onsite connection (March 30 – 550 gallons). Water is treated via activate carbon adsorption prior to discharge and concentrations did not exceed applicable limits (1 part per million total volatile organic compounds), as shown in Appendix C.

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 March except for March 4 from 12:00 AM to 2:30 PM due to a power outage. To date, over 357 million gallons of water have been removed by this system.

Quarterly samples were collected from each operational extraction well on March 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	0.97
1,1-Dichloroethane	ND	ND	ND	0.73
1,1-Dichloroethene	ND	ND	0.5	8.4
Carbon Tetrachloride	ND	ND	ND	0.63
Chloroform	ND	ND	ND	1.3

Groundwater Extraction System Individual Extraction Well Data – Volatile Organic Compounds (ppb)				
Analyte	EX-1A	EX-1B	EX-1C	EX-1D
cis-1,2-Dichloroethene	2.5	13	1.1	5.2
Tetrachloroethene	38	130	27	88
Trichloroethene	3.3	6.9	3.1	23
Total VOCs	43.8	149.9	31.7	128.23

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.

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

Operation & Maintenance Data Sheet

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: 10-Mar
Weather / Temp: Cloudy / 45 DEG
Technician / Operator: JW

Arrival Time: 10:30
Departure Time: 11:30

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	OFF		OFF		AS Compressor 1 (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	ON		ON		AS Compressor 2 (ON/OFF)	OFF		OFF	
					Air Cooler (ON/OFF)	ON		ON	
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4100		805		Blower 1 Total Runtime (hrs)	69,484.2			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	68,801.1			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	57				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	4				VGAC-1 Influent PID (ppm)	1.0			
VGAC-1 Influent Vacuum ("H2O)	54				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-1 Effluent Vacuum ("H2O)	48				VGAC-2 Influent PID (ppm)	1.0			
VGAC-2 Influent Vacuum ("H2O)	50				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-2 Effluent Vacuum ("H2O)	50				VGAC-3 Influent PID (ppm)	0.0			
VGAC-3 Influent Pressure ("H2O)	6				VGAC-3 Effluent PID (ppm)	0.0			
VGAC-3 Effluent Pressure ("H2O)	2				Blower Effluent PID (ppm)	0.0			
VGAC-3 Influent Temp (DegF)	135				Transfer Pump Total Runtime (hrs)	25,098.6			
Blower Effluent Pressure ("H2O)	22				Condensate Storage Tank Level (gal)	250			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	52	7600	166	2.0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	45	4200	92	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	54	4500	98	1.0	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	56	3000	65	0.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	46	5000	109	0.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	50	6600	144	4.0
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	44	4200	92	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	47	2900	63	0.0
Air Sparge System									
Compressor 1 Pressure (psi)	14				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	16,459.5				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	185				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	67				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	17				AS Manifold Temperature (degF)	54			
Air Cooler Outlet Pressure (psi)	15.5				AS Manifold Pressure	14			
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate		Pressure	Flow Rate				
AS-1 (psi)/(cfm)	4	10	AS-11 (psi)/(cfm)	15	6				
AS-2 (psi)/(cfm)	0	10	AS-12B (psi)/(cfm)	16	13				
AS-3 (psi)/(cfm)	0	10	AS-13B (psi)/(cfm)	15	12				
AS-4 (psi)/(cfm)	17	0	AS-14 (psi)/(cfm)	15	10				
AS-5 (psi)/(cfm)	17	10	AS-15 (psi)/(cfm)	15	12				
AS-6 (psi)/(cfm)	17	13	AS-16B (psi)/(cfm)	14	10				
AS-7 (psi)/(cfm)	17	11	AS-17 (psi)/(cfm)	16	11				
AS-8 (psi)/(cfm)	14	13	AS-18 (psi)/(cfm)	15	13				
AS-9 (psi)/(cfm)	16	11	AS-19 (psi)/(cfm)	15	7				
AS-10B (psi)/(cfm)	14	10							

Notes, Comments & Observations:

Discharged 550 gallons of water on 3/30.

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: 10-Mar
Weather / Temp: Cloudy / 45 DEG
Technician / Operator: JW

Arrival Time: 10:30
Departure Time: 11:30

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 11/1/22
-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 11/1/22
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	Y	26.2 A
-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	Y	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 1/31/23
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	Y	27 A
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	

ALARM VISIT LOG
AS/SVE SYSTEM
101 FROST STREET, WESTBURY, NY

[illegible]

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



Friday, March 17, 2023

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

Project ID: FROST ST 001
SDG ID: GCN58567
Sample ID#s: CN58567 - CN58568

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

March 17, 2023

SDG I.D.: GCN58567

Project ID: FROST ST 001

Client Id	Lab Id	Matrix
SVE EFFLUENT	CN58567	AIR
SVE INFLUENT	CN58568	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

March 17, 2023

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: 847

Custody Information

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

Date

03/10/23
03/13/23

Time

11:06
15:35

Laboratory Data

SDG ID: GCN58567
Phoenix ID: CN58567

Project ID: FROST ST 001
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	0.146	ND	1.00	03/14/23	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	03/14/23	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	03/14/23	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	03/14/23	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	03/14/23	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	03/14/23	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	03/14/23	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	03/14/23	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	03/14/23	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	03/14/23	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	03/14/23	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	03/14/23	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	03/14/23	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	03/14/23	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	03/14/23	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	03/14/23	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	03/14/23	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	03/14/23	KCA	1
2-Hexanone(MBK)	0.449	0.244	1.84	1.00	03/14/23	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	03/14/23	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	03/14/23	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	03/14/23	KCA	1
Acetone	5.69	0.421	13.5	1.00	03/14/23	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	03/14/23	KCA	1
Benzene	2.87	0.313	9.16	1.00	03/14/23	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	03/14/23	KCA	1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	03/14/23	KCA	1
Bromoform	ND	0.097	ND	1.00	03/14/23	KCA	1
Bromomethane	ND	0.258	ND	1.00	03/14/23	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	03/14/23	KCA	1
Carbon Tetrachloride	ND	0.032	ND	0.20	03/14/23	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	03/14/23	KCA	1
Chloroethane	ND	0.379	ND	1.00	03/14/23	KCA	1
Chloroform	ND	0.205	ND	1.00	03/14/23	KCA	1
Chloromethane	ND	0.485	ND	1.00	03/14/23	KCA	1
Cis-1,2-Dichloroethene	0.057	0.051	0.23	0.20	03/14/23	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	03/14/23	KCA	1
Cyclohexane	ND	0.291	ND	1.00	03/14/23	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	03/14/23	KCA	1
Dichlorodifluoromethane	0.613	0.202	3.03	1.00	03/14/23	KCA	1
Ethanol	4.12	0.531	7.76	1.00	03/14/23	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	03/14/23	KCA	1 1
Ethylbenzene	ND	0.230	ND	1.00	03/14/23	KCA	1
Heptane	ND	0.244	ND	1.00	03/14/23	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	03/14/23	KCA	1
Hexane	ND	0.284	ND	1.00	03/14/23	KCA	1
Isopropylalcohol	1.18	0.407	2.90	1.00	03/14/23	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	03/14/23	KCA	1
m,p-Xylene	ND	0.230	ND	1.00	03/14/23	KCA	1
Methyl Ethyl Ketone	1.51	0.339	4.45	1.00	03/14/23	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	03/14/23	KCA	1
Methylene Chloride	ND	0.863	ND	3.00	03/14/23	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	03/14/23	KCA	1 1
o-Xylene	ND	0.230	ND	1.00	03/14/23	KCA	1
Propylene	ND	0.581	ND	1.00	03/14/23	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	03/14/23	KCA	1 1
Styrene	ND	0.235	ND	1.00	03/14/23	KCA	1
Tetrachloroethene	0.341	0.037	2.31	0.25	03/14/23	KCA	1
Tetrahydrofuran	ND	0.339	ND	1.00	03/14/23	KCA	1 1
Toluene	ND	0.266	ND	1.00	03/14/23	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	03/14/23	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	03/14/23	KCA	1
Trichloroethene	0.054	0.037	0.29	0.20	03/14/23	KCA	1
Trichlorofluoromethane	0.357	0.178	2.00	1.00	03/14/23	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	03/14/23	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	03/14/23	KCA	1
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene	100	%	100	%	03/14/23	KCA	1
% IS-1,4-Difluorobenzene	97	%	97	%	03/14/23	KCA	1
% IS-Bromochloromethane	96	%	96	%	03/14/23	KCA	1
% IS-Chlorobenzene-d5	97	%	97	%	03/14/23	KCA	1

Project ID: FROST ST 001
Client ID: SVE EFFLUENT

Phoenix I.D.: CN58567

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

March 17, 2023

Reviewed and Released by: Ethan Lee, 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

March 17, 2023

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: 799

Custody Information

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

Date

03/10/23
03/13/23

Time

11:11
15:35

Laboratory Data

SDG ID: GCN58567
Phoenix ID: CN58568

Project ID: FROST ST 001
Client ID: SVE INFLUENT

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	0.146	ND	1.00	03/14/23	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	03/14/23	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	03/14/23	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	03/14/23	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	03/14/23	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	03/14/23	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	03/14/23	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	03/14/23	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	03/14/23	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	03/14/23	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	03/14/23	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	03/14/23	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	03/14/23	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	03/14/23	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	03/14/23	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	03/14/23	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	03/14/23	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	03/14/23	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	03/14/23	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	03/14/23	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	03/14/23	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	03/14/23	KCA	1
Acetone	11.8	0.421	28.0	1.00	03/14/23	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	03/14/23	KCA	1
Benzene	ND	0.313	ND	1.00	03/14/23	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	03/14/23	KCA	1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	03/14/23	KCA	1
Bromoform	ND	0.097	ND	1.00	03/14/23	KCA	1
Bromomethane	ND	0.258	ND	1.00	03/14/23	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	03/14/23	KCA	1
Carbon Tetrachloride	0.069	0.032	0.43	0.20	03/14/23	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	03/14/23	KCA	1
Chloroethane	ND	0.379	ND	1.00	03/14/23	KCA	1
Chloroform	ND	0.205	ND	1.00	03/14/23	KCA	1
Chloromethane	0.528	0.485	1.09	1.00	03/14/23	KCA	1
Cis-1,2-Dichloroethene	0.415	0.051	1.64	0.20	03/14/23	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	03/14/23	KCA	1
Cyclohexane	ND	0.291	ND	1.00	03/14/23	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	03/14/23	KCA	1
Dichlorodifluoromethane	0.447	0.202	2.21	1.00	03/14/23	KCA	1
Ethanol	7.10	0.531	13.4	1.00	03/14/23	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	03/14/23	KCA	1 1
Ethylbenzene	ND	0.230	ND	1.00	03/14/23	KCA	1
Heptane	ND	0.244	ND	1.00	03/14/23	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	03/14/23	KCA	1
Hexane	0.933	0.284	3.29	1.00	03/14/23	KCA	1
Isopropylalcohol	1.62	0.407	3.98	1.00	03/14/23	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	03/14/23	KCA	1
m,p-Xylene	ND	0.230	ND	1.00	03/14/23	KCA	1
Methyl Ethyl Ketone	1.24	0.339	3.65	1.00	03/14/23	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	03/14/23	KCA	1
Methylene Chloride	ND	0.863	ND	3.00	03/14/23	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	03/14/23	KCA	1 1
o-Xylene	ND	0.230	ND	1.00	03/14/23	KCA	1
Propylene	ND	0.581	ND	1.00	03/14/23	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	03/14/23	KCA	1 1
Styrene	ND	0.235	ND	1.00	03/14/23	KCA	1
Tetrachloroethene	0.438	0.037	2.97	0.25	03/14/23	KCA	1
Tetrahydrofuran	0.739	0.339	2.18	1.00	03/14/23	KCA	1 1
Toluene	ND	0.266	ND	1.00	03/14/23	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	03/14/23	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	03/14/23	KCA	1
Trichloroethene	0.046	0.037	0.25	0.20	03/14/23	KCA	1
Trichlorofluoromethane	0.198	0.178	1.11	1.00	03/14/23	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	03/14/23	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	03/14/23	KCA	1
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene	101	%	101	%	03/14/23	KCA	1
% IS-1,4-Difluorobenzene	99	%	99	%	03/14/23	KCA	1
% IS-Bromochloromethane	100	%	100	%	03/14/23	KCA	1
% IS-Chlorobenzene-d5	103	%	103	%	03/14/23	KCA	1

Project ID: FROST ST 001
Client ID: SVE INFLUENT

Phoenix I.D.: CN58568

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

March 17, 2023

Reviewed and Released by: Ethan Lee, 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

March 17, 2023

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

Location Code: ENVIOTR

SDG I.D.: GCN58567

Project ID: FROST ST 001

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	CN58567	847	1.4L		03/02/23	-30	0						03/10/23 11:05	
SVE INFLUENT	CN58568	799	1.4L		03/02/23	-30	-14						03/10/23 11:10	



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



QA/QC Report

March 17, 2023

QA/QC Data

SDG I.D.: GCN58567

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 668090 (ppbv), QC Sample No: CN59432 (CN58567, CN58568)												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	108	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	110	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	137	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	117	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	111	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	111	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	111	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	110	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	112	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	112	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	113	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	123	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	123	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	115	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	113	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	116	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	106	109 E	110	45.9 E	46.5	1.3	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	105	1.19	1.20	0.373	0.377	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	121	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	109	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	109	0.47	0.46	0.075	0.073	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	111	1.23	1.24	0.598	0.602	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	109	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	109	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	112	2.34	2.39	0.473	0.484	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	148	42.2	41.2	22.4	21.9	2.3	70 - 130	25

QA/QC Data

SDG I.D.: GCN58567

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	0.280	ND	1.01	85	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	111	1.48	1.37	0.361	0.334	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	134	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	112	1.52	1.58	0.431	0.449	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	126	2.83	2.85	1.15	1.16	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	114	2.10	2.05	0.485	0.472	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	109	2.49	2.44	0.844	0.828	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	111	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	104	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	115	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	113	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	113	141	137	33.1	32.1	3.1	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	106	163	158	24.1	23.3	3.4	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	110	3.66	3.52	0.972	0.934	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	108	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	108	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	110	1.26	1.34	0.224	0.239	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	112	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	101	%	101	%	100	104	102	104	102	NC	70 - 130	25
% IS-1,4-Difluorobenzene	108	%	108	%	104	99	100	99	100	NC	60 - 140	25
% IS-Bromochloromethane	108	%	108	%	103	100	98	100	98	NC	60 - 140	25
% IS-Chlorobenzene-d5	105	%	105	%	108	99	101	99	101	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
March 17, 2023

Friday, March 17, 2023

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCN58567 - ENVIROTR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

*** 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

March 17, 2023

SDG I.D.: GCN58567

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

Appendix C
AS/SVE System Water Sample
Laboratory Analytical Results



Tuesday, April 04, 2023

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

Project ID: FROST STREET-OU1
SDG ID: GCN71748
Sample ID#s: CN71748 - CN71749

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

April 04, 2023

SDG I.D.: GCN71748

Project ID: FROST STREET-OU1

Client Id	Lab Id	Matrix
SVE DISCHARGE WATER	CN71748	GROUND WATER
TRIP BLANK	CN71749	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

April 04, 2023

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: CP
Analyzed by: see "By" below

Date

03/30/23
03/30/23

Time

7:30
15:53

Laboratory Data

SDG ID: GCN71748
Phoenix ID: CN71748

Project ID: FROST STREET-OU1
Client ID: SVE DISCHARGE WATER

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cadmium	< 0.001	0.001		mg/L	1	04/03/23	TH	SW6010D
Chromium	< 0.001	0.001		mg/L	1	04/03/23	TH	SW6010D
Copper	0.009	0.005		mg/L	1	04/03/23	TH	SW6010D
Iron	0.162	0.010		mg/L	1	04/03/23	TH	SW6010D
Nickel	< 0.001	0.001		mg/L	1	04/03/23	TH	SW6010D
Zinc	0.012	0.004		mg/L	1	04/03/23	TH	SW6010D
Chromium, Hexavalent	< 0.01	0.01		mg/L	1	03/30/23 20:40	MW	SM3500CRB-11
PCB Extraction	Completed					03/30/23	AP/I	E608.3
Total Metals Digestion	Completed					03/30/23	AG	SW3010A

Polychlorinated Biphenyls

PCB-1016	ND	0.047	0.047	ug/L	1	03/31/23	SC	E608.3	
PCB-1221	ND	0.047	0.047	ug/L	1	03/31/23	SC	E608.3	
PCB-1232	ND	0.047	0.047	ug/L	1	03/31/23	SC	E608.3	
PCB-1242	ND	0.047	0.047	ug/L	1	03/31/23	SC	E608.3	
PCB-1248	ND	0.047	0.047	ug/L	1	03/31/23	SC	E608.3	
PCB-1254	ND	0.047	0.047	ug/L	1	03/31/23	SC	E608.3	
PCB-1260	ND	0.047	0.047	ug/L	1	03/31/23	SC	E608.3	
PCB-1262	ND	0.047	0.047	ug/L	1	03/31/23	SC	E608.3	1
PCB-1268	ND	0.047	0.047	ug/L	1	03/31/23	SC	E608.3	1

QA/QC Surrogates

% DCBP	76		%	1	03/31/23	SC	30 - 150 %
% DCBP (Confirmation)	74		%	1	03/31/23	SC	30 - 150 %
% TCMX	63		%	1	03/31/23	SC	30 - 150 %
% TCMX (Confirmation)	70		%	1	03/31/23	SC	30 - 150 %

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	03/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/30/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/30/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	03/30/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/30/23	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/30/23	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	03/30/23	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	03/30/23	MH	70 - 130 %
% Toluene-d8	100			%	1	03/30/23	MH	70 - 130 %

Project ID: FROST STREET-OU1
Client ID: SVE DISCHARGE WATER

Phoenix I.D.: CN71748

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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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 LOD=Limit of Detection MDL=Method Detection Limit1

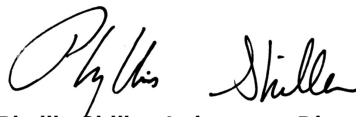
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

624 Analyses:

Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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

April 04, 2023

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

April 04, 2023

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: CP
Analyzed by: see "By" below

Date

03/30/23
03/30/23

Time

7:30
15:53

Laboratory Data

SDG ID: GCN71748
Phoenix ID: CN71749

Project ID: FROST STREET-OU1
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	03/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/30/23	MH	E624.1
Carbon disulfide	0.97	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/30/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	03/30/23	MH	E624.1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/30/23	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/30/23	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	03/30/23	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	03/30/23	MH	70 - 130 %
% Toluene-d8	100			%	1	03/30/23	MH	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.

624 Analyses:

Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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

April 04, 2023

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



QA/QC Report

April 04, 2023

QA/QC Data

SDG I.D.: GCN71748

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 670505 (mg/L), QC Sample No: CN71554 (CN71748)													
<u>ICP Metals - Aqueous</u>													
Cadmium	BRL	0.001	0.002	0.002	NC	99.6	99.3	0.3	102			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	99.8	99.2	0.6	101			80 - 120	20
Copper	BRL	0.005	0.006	0.006	NC	99.2	98.6	0.6	104			80 - 120	20
Iron	BRL	0.010	0.890	0.952	6.70	99.6	99.1	0.5	115			80 - 120	20
Nickel	BRL	0.001	0.011	0.011	0	99.9	99.7	0.2	100			80 - 120	20
Zinc	BRL	0.004	0.033	0.033	0	98.6	98.1	0.5	102			80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.



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Tel. (860) 645-1102



QA/QC Report

April 04, 2023

QA/QC Data

SDG I.D.: GCN71748

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 670498 (mg/L), QC Sample No: CN71748 (CN71748)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	96.7			109			90 - 110	20
Comment:													
Additional Hexavalent Chromium criteria: LCS acceptance range for waters is 90-110% and MS acceptance range is 85-115%.													



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QA/QC Report

April 04, 2023

QA/QC Data

SDG I.D.: GCN71748

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 670457 (ug/L), QC Sample No: CN65063 (CN71748)										
Polychlorinated Biphenyls - Ground Water										
PCB-1016	ND	0.050	76	86	12.3				50 - 140	20
PCB-1221	ND	0.050							40 - 140	20
PCB-1232	ND	0.050							40 - 140	20
PCB-1242	ND	0.050							40 - 140	20
PCB-1248	ND	0.050							40 - 140	20
PCB-1254	ND	0.050							40 - 140	20
PCB-1260	ND	0.050	91	89	2.2				30 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	91	%	104	86	18.9				30 - 150	20
% DCBP (Surrogate Rec) (Confirm)	78	%	93	94	1.1				30 - 150	20
% TCMX (Surrogate Rec)	66	%	79	83	4.9				30 - 150	20
% TCMX (Surrogate Rec) (Confirm)	68	%	85	79	7.3				30 - 150	20
QA/QC Batch 670686 (ug/L), QC Sample No: CN71490 (CN71748, CN71749)										
Volatiles - Ground Water										
1,1,1-Trichloroethane	ND	1.0	98	100	2.0	102	106	3.8	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	97	101	4.0	102	105	2.9	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	99	100	1.0	102	106	3.8	71 - 129	20
1,1-Dichloroethane	ND	1.0	101	101	0.0	106	112	5.5	72 - 128	20
1,1-Dichloroethene	ND	1.0	95	98	3.1	100	104	3.9	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	98	100	2.0	100	105	4.9	63 - 137	20
1,2-Dichloroethane	ND	1.0	98	100	2.0	102	105	2.9	68 - 132	20
1,2-Dichloropropane	ND	1.0	97	99	2.0	100	105	4.9	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	99	102	3.0	100	106	5.8	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	97	99	2.0	99	103	4.0	63 - 137	20
Benzene	ND	0.70	101	102	1.0	103	109	5.7	64 - 136	20
Bromodichloromethane	ND	0.50	102	102	0.0	103	111	7.5	65 - 135	20
Bromoform	ND	1.0	104	106	1.9	105	111	5.6	71 - 129	20
Bromomethane	ND	1.0	76	80	5.1	69	83	18.4	40 - 160	20
Carbon Disulfide	ND	1.0	94	97	3.1	95	101	6.1	70 - 130	30
Carbon tetrachloride	ND	1.0	116	117	0.9	103	104	1.0	73 - 127	20
Chlorobenzene	ND	1.0	100	101	1.0	101	106	4.8	66 - 134	20
Chloroethane	ND	1.0	94	89	5.5	112	107	4.6	40 - 160	20
Chloroform	ND	1.0	100	100	0.0	103	108	4.7	67 - 133	20
Chloromethane	ND	1.0	104	105	1.0	110	115	4.4	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	100	98	2.0	107	110	2.8	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	103	104	1.0	99	106	6.8	40 - 160	20
Dibromochloromethane	ND	0.50	104	107	2.8	107	111	3.7	67 - 133	20
Ethylbenzene	ND	1.0	102	102	0.0	103	109	5.7	59 - 141	20
m&p-Xylene	ND	1.0	102	104	1.9	104	109	4.7	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	100	102	2.0	104	109	4.7	70 - 130	30

QA/QC Data

SDG I.D.: GCN71748

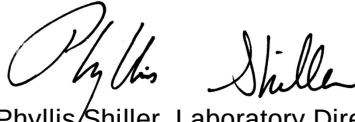
Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Methylene chloride	ND	1.0	97	97	0.0	102	106	3.8	60 - 140	20
Naphthalene	ND	1.0	105	112	6.5	105	112	6.5	70 - 130	30
o-Xylene	ND	1.0	102	103	1.0	102	107	4.8	70 - 130	30
Tetrachloroethene	ND	1.0	97	97	0.0	96	103	7.0	73 - 127	20
Toluene	ND	1.0	100	101	1.0	101	108	6.7	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	97	101	4.0	101	107	5.8	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	104	106	1.9	101	107	5.8	50 - 150	20
Trichloroethene	ND	1.0	98	99	1.0	99	105	5.9	66 - 134	20
Trichlorofluoromethane	ND	1.0	100	101	1.0	107	111	3.7	48 - 152	20
Vinyl chloride	ND	1.0	94	95	1.1	97	105	7.9	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	99	101	2.0	101	100	1.0	70 - 130	30
% Bromofluorobenzene	97	%	101	100	1.0	100	100	0.0	70 - 130	30
% Dibromofluoromethane	99	%	100	100	0.0	100	99	1.0	70 - 130	30
% Toluene-d8	99	%	100	100	0.0	100	101	1.0	70 - 130	30

Comment:

A blank MS/MSD 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
 April 04, 2023

Tuesday, April 04, 2023

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCN71748 - ENVIROTR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

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



Analysis Comments

April 04, 2023

SDG I.D.: GCN71748

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



Environmental Laboratories, Inc.
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NY Temperature Narration

April 04, 2023

SDG I.D.: GCN71748

The samples in this delivery group were received at 1.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix D
Groundwater Extraction System Water Samples
Laboratory Analytical Results



Tuesday, April 04, 2023

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

Project ID: FROST STREET-OU2
SDG ID: GCN71750
Sample ID#s: CN71750 - CN71754

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

April 04, 2023

SDG I.D.: GCN71750

Project ID: FROST STREET-OU2

Client Id	Lab Id	Matrix
EX-1A	CN71750	GROUND WATER
EX-1B	CN71751	GROUND WATER
EX-1C	CN71752	GROUND WATER
EX-1D	CN71753	GROUND WATER
TRIP BLANK	CN71754	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

April 04, 2023

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: CP
Analyzed by: see "By" below

Date

03/30/23
03/30/23

Time

9:00
15:53

Laboratory Data

SDG ID: GCN71750
Phoenix ID: CN71750

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

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	03/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/30/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,2-Dichloroethene	2.5	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/30/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	03/30/23	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/30/23	MH	E624.1
Tetrachloroethene	38	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Trichloroethene	3.3	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/30/23	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	03/30/23	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	03/30/23	MH	70 - 130 %
% Toluene-d8	99			%	1	03/30/23	MH	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:

624 Analyses:

Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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

April 04, 2023

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

April 04, 2023

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: CP
Analyzed by: see "By" below

Date

03/30/23
03/30/23

Time

9:03
15:53

Laboratory Data

SDG ID: GCN71750
Phoenix ID: CN71751

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

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	03/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/30/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,2-Dichloroethene	13	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/30/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	03/30/23	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/30/23	MH	E624.1
Tetrachloroethene	130	2.5	1.3	ug/L	5	03/31/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Trichloroethene	6.9	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	1	03/30/23	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	03/30/23	MH	70 - 130 %
% Dibromofluoromethane	101			%	1	03/30/23	MH	70 - 130 %
% Toluene-d8	99			%	1	03/30/23	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	102			%	5	03/31/23	MH	70 - 130 %
% Bromofluorobenzene (5x)	96			%	5	03/31/23	MH	70 - 130 %
% Dibromofluoromethane (5x)	100			%	5	03/31/23	MH	70 - 130 %
% Toluene-d8 (5x)	99			%	5	03/31/23	MH	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

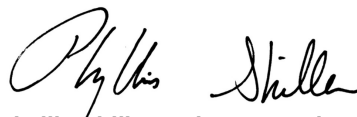
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

624 Analyses:

Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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Phyllis Shiller, Laboratory Director

April 04, 2023

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

April 04, 2023

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: CP
Analyzed by: see "By" below

Date

03/30/23
03/30/23

Time

9:06
15:53

Laboratory Data

SDG ID: GCN71750
Phoenix ID: CN71752

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

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	03/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethene	0.50	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/30/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,2-Dichloroethene	1.1	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/30/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	03/30/23	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/30/23	MH	E624.1
Tetrachloroethene	27	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Trichloroethene	3.1	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/30/23	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	03/30/23	MH	70 - 130 %
% Dibromofluoromethane	101			%	1	03/30/23	MH	70 - 130 %
% Toluene-d8	100			%	1	03/30/23	MH	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:

624 Analyses:

Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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Phyllis Shiller, Laboratory Director

April 04, 2023

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

April 04, 2023

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: CP
Analyzed by: see "By" below

Date

03/30/23
03/30/23

Time

9:09
15:53

Laboratory Data

SDG ID: GCN71750
Phoenix ID: CN71753

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1-Trichloroethane	0.97	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethane	0.73	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethene	8.4	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/30/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Carbon tetrachloride	0.63	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroform	1.3	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,2-Dichloroethene	5.2	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/30/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	03/30/23	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/30/23	MH	E624.1
Tetrachloroethene	88	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Trichloroethene	23	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/30/23	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	03/30/23	MH	70 - 130 %
% Dibromofluoromethane	102			%	1	03/30/23	MH	70 - 130 %
% Toluene-d8	99			%	1	03/30/23	MH	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:

624 Analyses:

Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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Phyllis Shiller, Laboratory Director

April 04, 2023

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

April 04, 2023

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: CP
Analyzed by: see "By" below

Date

03/30/23

Time

15:53

Laboratory Data

SDG ID: GCN71750
Phoenix ID: CN71754

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	03/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/30/23	MH	E624.1
Carbon disulfide	0.43	J 0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/30/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	03/30/23	MH	E624.1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methylene chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/30/23	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/30/23	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/30/23	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	03/30/23	MH	70 - 130 %
% Dibromofluoromethane	101			%	1	03/30/23	MH	70 - 130 %
% Toluene-d8	99			%	1	03/30/23	MH	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:

TRIP BLANK INCLUDED.

624 Analyses:

Acrylonitrile, 2-Chloroethyl vinyl ether and Acrolein could not be analyzed due to HCL preserved vial, these compounds can only be analyzed on an AS IS vial.

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

April 04, 2023

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



QA/QC Report

April 04, 2023

QA/QC Data

SDG I.D.: GCN71750

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 670686 (ug/L), QC Sample No: CN71490 (CN71750, CN71751, CN71752, CN71753, CN71754)										
Volatiles - Ground Water										
1,1,1-Trichloroethane	ND	1.0	98	100	2.0	102	106	3.8	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	97	101	4.0	102	105	2.9	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	99	100	1.0	102	106	3.8	71 - 129	20
1,1-Dichloroethane	ND	1.0	101	101	0.0	106	112	5.5	72 - 128	20
1,1-Dichloroethene	ND	1.0	95	98	3.1	100	104	3.9	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	98	100	2.0	100	105	4.9	63 - 137	20
1,2-Dichloroethane	ND	1.0	98	100	2.0	102	105	2.9	68 - 132	20
1,2-Dichloropropane	ND	1.0	97	99	2.0	100	105	4.9	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	99	102	3.0	100	106	5.8	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	97	99	2.0	99	103	4.0	63 - 137	20
Benzene	ND	0.70	101	102	1.0	103	109	5.7	64 - 136	20
Bromodichloromethane	ND	0.50	102	102	0.0	103	111	7.5	65 - 135	20
Bromoform	ND	1.0	104	106	1.9	105	111	5.6	71 - 129	20
Bromomethane	ND	1.0	76	80	5.1	69	83	18.4	40 - 160	20
Carbon Disulfide	ND	1.0	94	97	3.1	95	101	6.1	70 - 130	30
Carbon tetrachloride	ND	1.0	116	117	0.9	103	104	1.0	73 - 127	20
Chlorobenzene	ND	1.0	100	101	1.0	101	106	4.8	66 - 134	20
Chloroethane	ND	1.0	94	89	5.5	112	107	4.6	40 - 160	20
Chloroform	ND	1.0	100	100	0.0	103	108	4.7	67 - 133	20
Chloromethane	ND	1.0	104	105	1.0	110	115	4.4	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	100	98	2.0	107	110	2.8	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	103	104	1.0	99	106	6.8	40 - 160	20
Dibromochloromethane	ND	0.50	104	107	2.8	107	111	3.7	67 - 133	20
Ethylbenzene	ND	1.0	102	102	0.0	103	109	5.7	59 - 141	20
m&p-Xylene	ND	1.0	102	104	1.9	104	109	4.7	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	100	102	2.0	104	109	4.7	70 - 130	30
Methylene chloride	ND	1.0	97	97	0.0	102	106	3.8	60 - 140	20
Naphthalene	ND	1.0	105	112	6.5	105	112	6.5	70 - 130	30
o-Xylene	ND	1.0	102	103	1.0	102	107	4.8	70 - 130	30
Tetrachloroethene	ND	1.0	97	97	0.0	96	103	7.0	73 - 127	20
Toluene	ND	1.0	100	101	1.0	101	108	6.7	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	97	101	4.0	101	107	5.8	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	104	106	1.9	101	107	5.8	50 - 150	20
Trichloroethene	ND	1.0	98	99	1.0	99	105	5.9	66 - 134	20
Trichlorofluoromethane	ND	1.0	100	101	1.0	107	111	3.7	48 - 152	20
Vinyl chloride	ND	1.0	94	95	1.1	97	105	7.9	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	99	101	2.0	101	100	1.0	70 - 130	30
% Bromofluorobenzene	97	%	101	100	1.0	100	100	0.0	70 - 130	30
% Dibromofluoromethane	99	%	100	100	0.0	100	99	1.0	70 - 130	30
% Toluene-d8	99	%	100	100	0.0	100	101	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GCN71750

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 670933 (ug/L), QC Sample No: CN71751 (CN71751 (5X))

Volatiles - Ground Water

Tetrachloroethene	ND	1.0	100	98	2.0	98	99	1.0	73 - 127	20
% 1,2-dichlorobenzene-d4	101	%	99	100	1.0	100	100	0.0	70 - 130	30
% Bromofluorobenzene	97	%	100	101	1.0	101	100	1.0	70 - 130	30
% Dibromofluoromethane	99	%	99	97	2.0	101	99	2.0	70 - 130	30
% Toluene-d8	99	%	100	99	1.0	100	100	0.0	70 - 130	30

Comment:

A blank MS/MSD 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

April 04, 2023

Tuesday, April 04, 2023

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCN71750 - 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

April 04, 2023

SDG I.D.: GCN71750

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

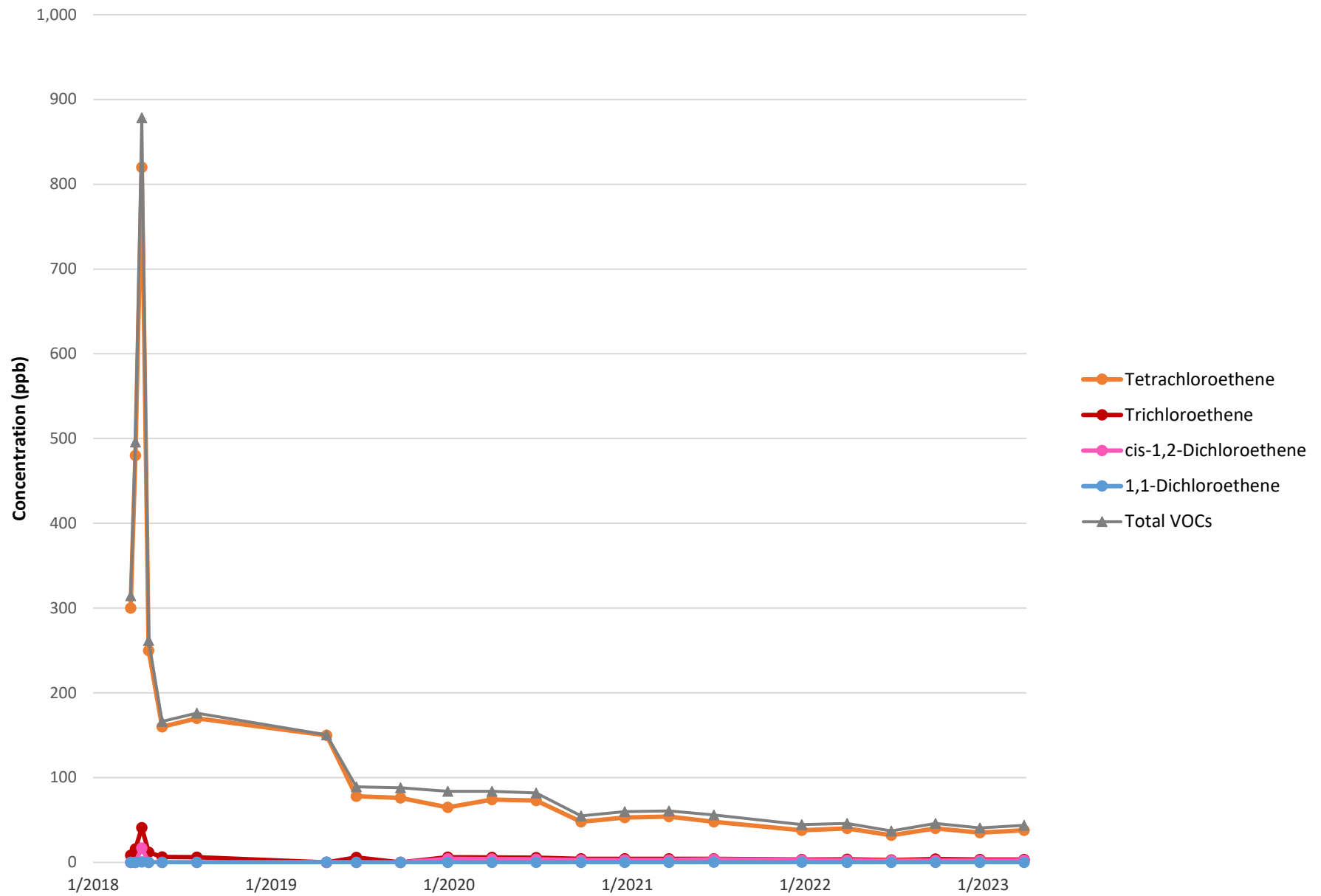
April 04, 2023

SDG I.D.: GCN71750

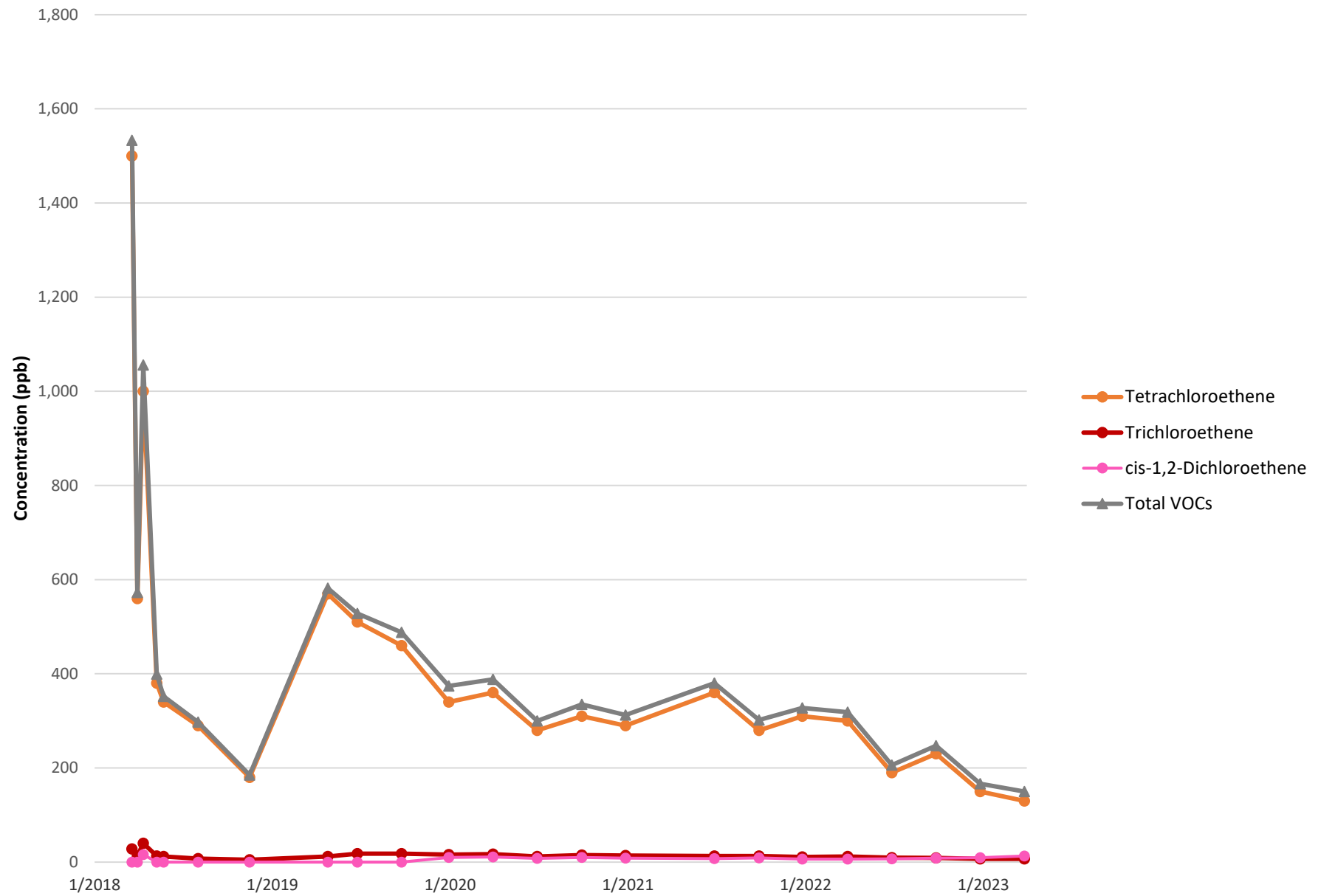
The samples in this delivery group were received at 1.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix E
Groundwater Extraction Well Sampling
Historical Results

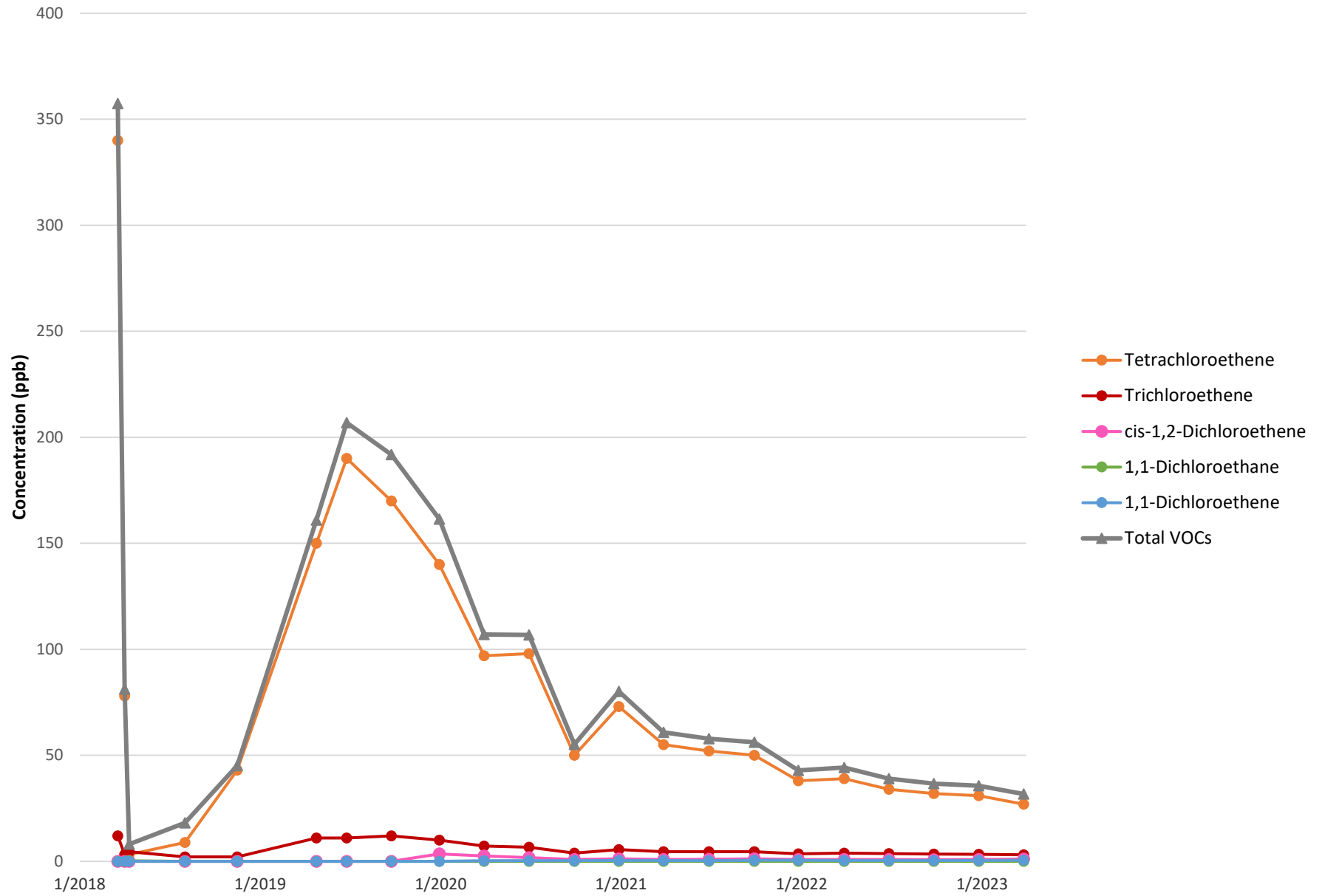
EX-1A



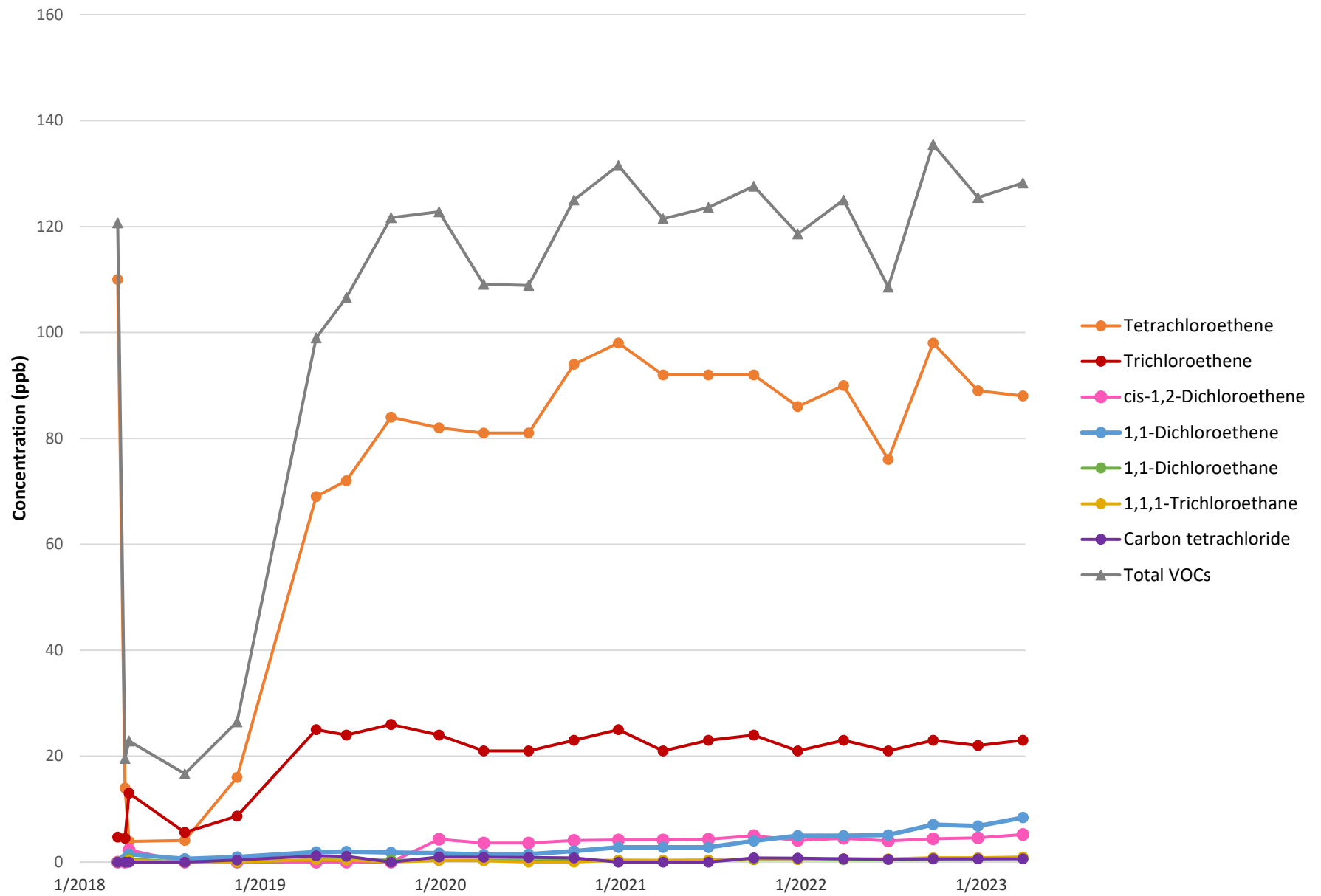
EX-1B



EX-1C



EX-1D



All Wells - Total VOCs

