

July 10, 2023

Mr. Christopher Aucoin, PhD
NYSDEC, Division of Environmental Remediation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7015

Via email: Christopher.Aucoin@dec.ny.gov

Re: Progress Report: June 2023
Frost Street Sites: Site ID Nos. 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. Aucoin,

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 June 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 June, no alarm calls were received.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on June 1. Samples were obtained by EnviroTrac and results are included in Appendix B. Samples were collected in Summa canisters via tedlar bags that were filled directly from system sample ports. These samples were submitted to Phoenix Environmental Laboratories and analyzed by Method TO-15. Influent results were questionable (very low concentrations of site contaminants of concern), so Con-Test (Pace Analytical Laboratories) will be utilized for future sampling efforts.
- Photoionization detector readings 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	June 2023 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	7.3
Tetrachloroethene	1,000	38,000	60.1
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	315

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 June except for an outage from a storm that caused a shutdown from June 30 at 7:00 PM to July 4 at 7:30 AM. To date, over 376 million gallons of water have been removed by this system.

Quarterly samples were collected from each operational extraction well on June 29 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	1.1
1,1-Dichloroethane	ND	ND	ND	0.73
1,1-Dichloroethene	ND	ND	0.47	8.3
Carbon Tetrachloride	ND	ND	ND	0.81
Chloroform	ND	ND	ND	1.4
cis-1,2-Dichloroethene	1.9	13	0.75	5
Tetrachloroethene	35	120	24	91
Trichloroethene	3.1	6.5	3	24
Total VOCs	40	139.5	28.22	132.34

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., WOH	<i>Via email to jprivitera@woh.com</i>
	T. Ruane, WOH	<i>Via email to truane@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: 1-Jun
Weather / Temp: Sunny / 60 DEG
Technician / Operator: JW

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

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	OFF		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)	OFF		ON	
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	3800		746		Blower 1 Total Runtime (hrs)	70,268.0			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	69,891.7			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	33				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	2.5				VGAC-1 Influent PID (ppb)	3275			
VGAC-1 Influent Vacuum ("H2O)	26				VGAC-1 Effluent PID (ppb)	0			
VGAC-1 Effluent Vacuum ("H2O)	30				VGAC-2 Influent PID (ppb)	3275			
VGAC-2 Influent Vacuum ("H2O)	26				VGAC-2 Effluent PID (ppb)	0			
VGAC-2 Effluent Vacuum ("H2O)	28				VGAC-3 Influent PID (ppb)	0			
VGAC-3 Influent Vacuum ("H2O)	30				VGAC-3 Effluent PID (ppb)	0			
VGAC-3 Effluent Vacuum ("H2O)	32				Blower Effluent PID (ppb)	0			
VGAC-3 Influent Temp (DegF)	-				Transfer Pump Total Runtime (hrs)	25,100.4			
Blower Effluent Pressure ("H2O)	5				Condensate Storage Tank Level (gal)	0			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	<u>Vacuum</u>	<u>Velocity</u>	<u>Flow Rate</u>	<u>PID</u>		<u>Vacuum</u>	<u>Velocity</u>	<u>Flow Rate</u>	<u>PID</u>
SVE-1 ("H2O)/(FPM)/(cfm)/(ppb)	34	5000	109	9,201	SVE-4 ("H2O)/(FPM)/(cfm)/(ppb)	26	3400	74	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppb)	35	3000	65	8,266	SVE-5 ("H2O)/(FPM)/(cfm)/(ppb)	38	2400	52	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppb)	26	3800	83	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppb)	32	5000	109	14,380
SVE-3A ("H2O)/(FPM)/(cfm)/(ppb)	23	3400	74	3	SVE-7 ("H2O)/(FPM)/(cfm)/(ppb)	26	2450	53	0
Air Sparge System									
Compressor 1 Pressure (psi)	13.5				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	18,334.3				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	215				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	96				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	17				AS Manifold Temperature (degF)	100			
Air Cooler Outlet Pressure (psi)	15				AS Manifold Pressure	14			
AS Manifold Legs - Pressure/Flow Rate									
	<u>Pressure</u>		<u>Flow Rate</u>			<u>Pressure</u>		<u>Flow Rate</u>	
AS-1 (psi)/(cfm)	2		10		AS-11 (psi)/(cfm)	15		16	
AS-2 (psi)/(cfm)	0		10		AS-12B (psi)/(cfm)	16		4	
AS-3 (psi)/(cfm)	0		10		AS-13B (psi)/(cfm)	17		8	
AS-4 (psi)/(cfm)	16		9		AS-14 (psi)/(cfm)	17		10	
AS-5 (psi)/(cfm)	16		10		AS-15 (psi)/(cfm)	16		12	
AS-6 (psi)/(cfm)	18		10		AS-16B (psi)/(cfm)	17		8	
AS-7 (psi)/(cfm)	18		11		AS-17 (psi)/(cfm)	16		13	
AS-8 (psi)/(cfm)	15		11		AS-18 (psi)/(cfm)	17		15	
AS-9 (psi)/(cfm)	16		12		AS-19 (psi)/(cfm)	15		12	
AS-10B (psi)/(cfm)	16		10						

Notes, Comments & Observations:

System off upon arrival, no visible alarms. Rebooted PLC and restarted.

PID readings in ppb.

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-Jun
Weather / Temp: Sunny / 60 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 4/20/23
-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 4/20/23
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-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	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	

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: 15-Jun
Weather / Temp: Sunny / 70 DEG
Technician / Operator: JW

Arrival Time: 9:30
Departure Time: 10:45

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)	OFF		ON	
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4500		884		Blower 1 Total Runtime (hrs)	70,436.3			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	70,058.6			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	51				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3				VGAC-1 Influent PID (ppm)	1			
VGAC-1 Influent Vacuum ("H2O)	36				VGAC-1 Effluent PID (ppm)	0			
VGAC-1 Effluent Vacuum ("H2O)	42				VGAC-2 Influent PID (ppm)	1			
VGAC-2 Influent Vacuum ("H2O)	36				VGAC-2 Effluent PID (ppm)	0			
VGAC-2 Effluent Vacuum ("H2O)	38				VGAC-3 Influent PID (ppm)	0			
VGAC-3 Influent Vacuum ("H2O)	48				VGAC-3 Effluent PID (ppm)	0			
VGAC-3 Effluent Vacuum ("H2O)	50				Blower Effluent PID (ppm)	0			
VGAC-3 Influent Temp (DegF)	-				Transfer Pump Total Runtime (hrs)	25,100.4			
Blower Effluent Pressure ("H2O)	8				Condensate Storage Tank Level (gal)	20			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	40	6500	142	4	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	35	4000	87	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	43	4000	87	2	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	45	2800	61	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	35	4600	100	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	5800	127	5
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	33	4000	87	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	36	2850	62	0
Air Sparge System									
Compressor 1 Pressure (psi)	13.5				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	18,669.6				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	205				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	90				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	16				AS Manifold Temperature (degF)	85			
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)	2	10	AS-11 (psi)/(cfm)		13	10			
AS-2 (psi)/(cfm)	0	10	AS-12B (psi)/(cfm)		15	11			
AS-3 (psi)/(cfm)	0	9	AS-13B (psi)/(cfm)		15	11			
AS-4 (psi)/(cfm)	15	9	AS-14 (psi)/(cfm)		15	10			
AS-5 (psi)/(cfm)	16	9	AS-15 (psi)/(cfm)		15	11			
AS-6 (psi)/(cfm)	15	11	AS-16B (psi)/(cfm)		14	10			
AS-7 (psi)/(cfm)	13	9	AS-17 (psi)/(cfm)		15	10			
AS-8 (psi)/(cfm)	13	11	AS-18 (psi)/(cfm)		15	13			
AS-9 (psi)/(cfm)	15	10	AS-19 (psi)/(cfm)		14	6			
AS-10B (psi)/(cfm)	14	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: 15-Jun
Weather / Temp: Sunny / 70 DEG
Technician / Operator: JW

Arrival Time: 9:30
Departure Time: 10:45

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 4/20/23
-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 4/20/23
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-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	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



Wednesday, June 21, 2023

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

Project ID: FROST ST OUI
SDG ID: GCO31708
Sample ID#s: CO31708 - CO31709

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

June 21, 2023

SDG I.D.: GCO31708

Project ID: FROST ST OUI

Client Id	Lab Id	Matrix
SVE EFFLUENT	CO31708	AIR
SVE INFLUENT	CO31709	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

June 21, 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: 720

Custody Information

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

Date

06/15/23 10:22
06/19/23 16:11

Time

Project ID: FROST ST OUI
Client ID: SVE EFFLUENT

Laboratory Data

SDG ID: GCO31708
Phoenix ID: CO31708

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	06/20/23	KCA	5
1,1,1-Trichloroethane	ND	0.917	ND	5.00	06/20/23	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	06/20/23	KCA	5
1,1,2-Trichloroethane	ND	0.917	ND	5.00	06/20/23	KCA	5
1,1-Dichloroethane	ND	1.24	ND	5.02	06/20/23	KCA	5
1,1-Dichloroethene	ND	0.252	ND	1.00	06/20/23	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	06/20/23	KCA	5
1,2,4-Trimethylbenzene	ND	1.02	ND	5.01	06/20/23	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	06/20/23	KCA	5
1,2-Dichlorobenzene	ND	0.832	ND	5.00	06/20/23	KCA	5
1,2-Dichloroethane	ND	1.24	ND	5.02	06/20/23	KCA	5
1,2-dichloropropane	ND	1.08	ND	4.99	06/20/23	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	06/20/23	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	ND	5.01	06/20/23	KCA	5
1,3-Butadiene	ND	2.26	ND	5.00	06/20/23	KCA	5
1,3-Dichlorobenzene	ND	0.832	ND	5.00	06/20/23	KCA	5
1,4-Dichlorobenzene	ND	0.832	ND	5.00	06/20/23	KCA	5
1,4-Dioxane	ND	1.39	ND	5.01	06/20/23	KCA	5
2-Hexanone(MBK)	ND	1.22	ND	4.99	06/20/23	KCA	5
4-Ethyltoluene	ND	1.02	ND	5.01	06/20/23	KCA	5
4-Isopropyltoluene	ND	0.911	ND	5.00	06/20/23	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	06/20/23	KCA	5
Acetone	2.23	2.11	5.29	5.01	06/20/23	KCA	5
Acrylonitrile	ND	2.31	ND	5.01	06/20/23	KCA	5
Benzene	ND	1.57	ND	5.01	06/20/23	KCA	5
Benzyl chloride	ND	0.966	ND	5.00	06/20/23	KCA	5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	06/20/23	KCA	5	
Bromoform	ND	0.484	ND	5.00	06/20/23	KCA	5	
Bromomethane	ND	1.29	ND	5.01	06/20/23	KCA	5	
Carbon Disulfide	ND	1.61	ND	5.01	06/20/23	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	06/20/23	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	06/20/23	KCA	5	
Chloroethane	ND	1.90	ND	5.01	06/20/23	KCA	5	
Chloroform	ND	1.02	ND	4.98	06/20/23	KCA	5	
Chloromethane	ND	2.42	ND	4.99	06/20/23	KCA	5	
Cis-1,2-Dichloroethene	79.4	0.252	315	1.00	06/20/23	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	06/20/23	KCA	5	
Cyclohexane	ND	1.45	ND	4.99	06/20/23	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	06/20/23	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	06/20/23	KCA	5	
Ethanol	5.63	2.66	10.6	5.01	06/20/23	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	06/20/23	KCA	5	1
Ethylbenzene	ND	1.15	ND	4.99	06/20/23	KCA	5	
Heptane	ND	1.22	ND	5.00	06/20/23	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	06/20/23	KCA	5	
Hexane	ND	1.42	ND	5.00	06/20/23	KCA	5	
Isopropylalcohol	ND	2.04	ND	5.01	06/20/23	KCA	5	
Isopropylbenzene	ND	1.02	ND	5.01	06/20/23	KCA	5	
m,p-Xylene	ND	1.15	ND	4.99	06/20/23	KCA	5	
Methyl Ethyl Ketone	ND	1.70	ND	5.01	06/20/23	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	06/20/23	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	06/20/23	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	06/20/23	KCA	5	1
o-Xylene	ND	1.15	ND	4.99	06/20/23	KCA	5	
Propylene	ND	2.91	ND	5.01	06/20/23	KCA	5	1
sec-Butylbenzene	ND	0.911	ND	5.00	06/20/23	KCA	5	1
Styrene	ND	1.17	ND	4.98	06/20/23	KCA	5	
Tetrachloroethene	8.87	0.184	60.1	1.25	06/20/23	KCA	5	
Tetrahydrofuran	ND	1.70	ND	5.01	06/20/23	KCA	5	1
Toluene	ND	1.33	ND	5.01	06/20/23	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	06/20/23	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	06/20/23	KCA	5	
Trichloroethene	1.36	0.185	7.30	0.99	06/20/23	KCA	5	
Trichlorofluoromethane	ND	0.891	ND	5.00	06/20/23	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	06/20/23	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	06/20/23	KCA	5	
<u>QA/OC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	100	%	100	%	06/20/23	KCA	5	
% IS-1,4-Difluorobenzene (5x)	88	%	88	%	06/20/23	KCA	5	
% IS-Bromochloromethane (5x)	92	%	92	%	06/20/23	KCA	5	
% IS-Chlorobenzene-d5 (5x)	91	%	91	%	06/20/23	KCA	5	

Project ID: FROST ST OUI
Client ID: SVE EFFLUENT

Phoenix I.D.: CO31708

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

June 21, 2023

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

June 21, 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: 738

Custody Information

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

Date

06/15/23 10:38
06/19/23 16:11

Time

Project ID: FROST ST OUI
Client ID: SVE INFLUENT

Laboratory Data

SDG ID: GCO31708
Phoenix ID: CO31709

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	0.729	ND	5.00	06/20/23	KCA	5
1,1,1-Trichloroethane	ND	0.917	ND	5.00	06/20/23	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	06/20/23	KCA	5
1,1,2-Trichloroethane	ND	0.917	ND	5.00	06/20/23	KCA	5
1,1-Dichloroethane	ND	1.24	ND	5.02	06/20/23	KCA	5
1,1-Dichloroethene	ND	0.252	ND	1.00	06/20/23	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	06/20/23	KCA	5
1,2,4-Trimethylbenzene	ND	1.02	ND	5.01	06/20/23	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	06/20/23	KCA	5
1,2-Dichlorobenzene	ND	0.832	ND	5.00	06/20/23	KCA	5
1,2-Dichloroethane	ND	1.24	ND	5.02	06/20/23	KCA	5
1,2-dichloropropane	ND	1.08	ND	4.99	06/20/23	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	06/20/23	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	ND	5.01	06/20/23	KCA	5
1,3-Butadiene	ND	2.26	ND	5.00	06/20/23	KCA	5
1,3-Dichlorobenzene	ND	0.832	ND	5.00	06/20/23	KCA	5
1,4-Dichlorobenzene	ND	0.832	ND	5.00	06/20/23	KCA	5
1,4-Dioxane	ND	1.39	ND	5.01	06/20/23	KCA	5
2-Hexanone(MBK)	ND	1.22	ND	4.99	06/20/23	KCA	5
4-Ethyltoluene	ND	1.02	ND	5.01	06/20/23	KCA	5
4-Isopropyltoluene	ND	0.911	ND	5.00	06/20/23	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	06/20/23	KCA	5
Acetone	6.56	2.11	15.6	5.01	06/20/23	KCA	5
Acrylonitrile	ND	2.31	ND	5.01	06/20/23	KCA	5
Benzene	ND	1.57	ND	5.01	06/20/23	KCA	5
Benzyl chloride	ND	0.966	ND	5.00	06/20/23	KCA	5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	06/20/23	KCA	5	
Bromoform	ND	0.484	ND	5.00	06/20/23	KCA	5	
Bromomethane	ND	1.29	ND	5.01	06/20/23	KCA	5	
Carbon Disulfide	ND	1.61	ND	5.01	06/20/23	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	06/20/23	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	06/20/23	KCA	5	
Chloroethane	ND	1.90	ND	5.01	06/20/23	KCA	5	
Chloroform	ND	1.02	ND	4.98	06/20/23	KCA	5	
Chloromethane	ND	2.42	ND	4.99	06/20/23	KCA	5	
Cis-1,2-Dichloroethene	0.510	0.252	2.02	1.00	06/20/23	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	06/20/23	KCA	5	
Cyclohexane	ND	1.45	ND	4.99	06/20/23	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	06/20/23	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	06/20/23	KCA	5	
Ethanol	7.50	2.66	14.1	5.01	06/20/23	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	06/20/23	KCA	5	1
Ethylbenzene	ND	1.15	ND	4.99	06/20/23	KCA	5	
Heptane	ND	1.22	ND	5.00	06/20/23	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	06/20/23	KCA	5	
Hexane	ND	1.42	ND	5.00	06/20/23	KCA	5	
Isopropylalcohol	ND	2.04	ND	5.01	06/20/23	KCA	5	
Isopropylbenzene	ND	1.02	ND	5.01	06/20/23	KCA	5	
m,p-Xylene	ND	1.15	ND	4.99	06/20/23	KCA	5	
Methyl Ethyl Ketone	ND	1.70	ND	5.01	06/20/23	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	06/20/23	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	06/20/23	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	06/20/23	KCA	5	1
o-Xylene	ND	1.15	ND	4.99	06/20/23	KCA	5	
Propylene	ND	2.91	ND	5.01	06/20/23	KCA	5	1
sec-Butylbenzene	ND	0.911	ND	5.00	06/20/23	KCA	5	1
Styrene	ND	1.17	ND	4.98	06/20/23	KCA	5	
Tetrachloroethene	4.14	0.184	28.1	1.25	06/20/23	KCA	5	
Tetrahydrofuran	ND	1.70	ND	5.01	06/20/23	KCA	5	1
Toluene	ND	1.33	ND	5.01	06/20/23	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	06/20/23	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	06/20/23	KCA	5	
Trichloroethene	ND	0.185	ND	0.99	06/20/23	KCA	5	
Trichlorofluoromethane	ND	0.891	ND	5.00	06/20/23	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	06/20/23	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	06/20/23	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	101	%	101	%	06/20/23	KCA	5	
% IS-1,4-Difluorobenzene (5x)	87	%	87	%	06/20/23	KCA	5	
% IS-Bromochloromethane (5x)	88	%	88	%	06/20/23	KCA	5	
% IS-Chlorobenzene-d5 (5x)	89	%	89	%	06/20/23	KCA	5	

Project ID: FROST ST OUI
Client ID: SVE INFLUENT

Phoenix I.D.: CO31709

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:

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Phyllis Shiller, Laboratory Director

June 21, 2023

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

June 21, 2023

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

Location Code: ENVIOTR

SDG I.D.: GCO31708

Project ID: FROST ST OUI

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	CO31708	720	1.4L	4991	06/10/23	-30	-7	135	129	4.5	-27.5	-5	06/15/23 10:15	06/15/23 10:22
SVE INFLUENT	CO31709	738	1.4L	10597	06/10/23	-30	-6	133	130	2.3	-27	-5	06/15/23 10:30	06/15/23 10:38



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



QA/QC Report

June 21, 2023

QA/QC Data

SDG I.D.: GCO31708

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 683245 (ppbv), QC Sample No: CO31865 (CO31708 (5X) , CO31709 (5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	160	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	101	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	101	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	105	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	105	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	98	13.1	12.9	5.51	5.42	1.6	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	104	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	96	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	99	0.45	0.46	0.072	0.073	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	106	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	104	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	100	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	97	2.12	2.11	0.429	0.427	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	87	11.0	10.7	5.82	5.69	2.3	70 - 130	25

QA/QC Data

SDG I.D.: GCO31708

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	87	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	158	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	107	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	78	23.1	22.9	9.39	9.31	0.9	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	100	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	114	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	111	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	101	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	103	1.28	1.22	0.341	0.323	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	95	1.08	1.08	0.193	0.192	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	99	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	101	%	101	%	100	101	101	101	101	NC	70 - 130	25
% IS-1,4-Difluorobenzene	100	%	100	%	103	95	94	95	94	NC	60 - 140	25
% IS-Bromochloromethane	100	%	100	%	99	95	95	95	95	NC	60 - 140	25
% IS-Chlorobenzene-d5	100	%	100	%	107	96	95	96	95	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
June 21, 2023

Wednesday, June 21, 2023

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCO31708 - 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

June 21, 2023

SDG I.D.: GCO31708

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



Monday, July 03, 2023

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

Project ID: FROST STREET-OU2
SDG ID: GCO40751
Sample ID#s: CO40751 - CO40755

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

July 03, 2023

SDG I.D.: GCO40751

Project ID: FROST STREET-OU2

Client Id	Lab Id	Matrix
EX-1A	CO40751	GROUND WATER
EX-1B	CO40752	GROUND WATER
EX-1C	CO40753	GROUND WATER
EX-1D	CO40754	GROUND WATER
TRIP BLANK	CO40755	GROUND WATER



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



Analysis Report

July 03, 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: JW
Received by: CP
Analyzed by: see "By" below

Date

06/29/23
06/29/23

Time

9:15
18:02

Laboratory Data

SDG ID: GCO40751
Phoenix ID: CO40751

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	06/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	06/30/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
cis-1,2-Dichloroethene	1.9	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	06/30/23	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	06/30/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	06/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	06/30/23	MH	E624.1
Tetrachloroethene	35	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/23	MH	E624.1
Trichloroethene	3.1	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	06/30/23	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	06/30/23	MH	70 - 130 %
% Dibromofluoromethane	107			%	1	06/30/23	MH	70 - 130 %
% Toluene-d8	98			%	1	06/30/23	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

July 03, 2023

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

July 03, 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: JW
Received by: CP
Analyzed by: see "By" below

Date

06/29/23
06/29/23

Time

9:20
18:02

Laboratory Data

SDG ID: GCO40751
Phoenix ID: CO40752

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	06/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	06/30/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
cis-1,2-Dichloroethene	13	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	06/30/23	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	06/30/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	06/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	06/30/23	MH	E624.1
Tetrachloroethene	120	2.5	1.3	ug/L	5	06/30/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/23	MH	E624.1
Trichloroethene	6.5	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	06/30/23	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	06/30/23	MH	70 - 130 %
% Dibromofluoromethane	105			%	1	06/30/23	MH	70 - 130 %
% Toluene-d8	98			%	1	06/30/23	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	100			%	5	06/30/23	MH	70 - 130 %
% Bromofluorobenzene (5x)	95			%	5	06/30/23	MH	70 - 130 %
% Dibromofluoromethane (5x)	92			%	5	06/30/23	MH	70 - 130 %
% Toluene-d8 (5x)	97			%	5	06/30/23	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 Limit

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

July 03, 2023

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

July 03, 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: JW
Received by: CP
Analyzed by: see "By" below

Date

06/29/23
06/29/23

Time

9:25
18:02

Laboratory Data

SDG ID: GCO40751
Phoenix ID: CO40753

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	06/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1-Dichloroethene	0.47	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	06/30/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
cis-1,2-Dichloroethene	0.75	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	06/30/23	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	06/30/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	06/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	06/30/23	MH	E624.1
Tetrachloroethene	24	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/23	MH	E624.1
Trichloroethene	3.0	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	06/30/23	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	06/30/23	MH	70 - 130 %
% Dibromofluoromethane	106			%	1	06/30/23	MH	70 - 130 %
% Toluene-d8	98			%	1	06/30/23	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:

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

July 03, 2023

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

July 03, 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: JW
Received by: CP
Analyzed by: see "By" below

Date

06/29/23
06/29/23

Time

9:30
18:02

Laboratory Data

SDG ID: GCO40751
Phoenix ID: CO40754

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	1.1	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1-Dichloroethane	0.73	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,1-Dichloroethene	8.3	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	06/30/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Carbon tetrachloride	0.81	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloroform	1.4	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
cis-1,2-Dichloroethene	5.0	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	06/30/23	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	06/30/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	06/30/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	06/30/23	MH	E624.1
Tetrachloroethene	91	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/23	MH	E624.1
Trichloroethene	24	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	06/30/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	06/30/23	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	06/30/23	MH	70 - 130 %
% Dibromofluoromethane	105			%	1	06/30/23	MH	70 - 130 %
% Toluene-d8	98			%	1	06/30/23	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

July 03, 2023

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

July 03, 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: JW
Received by: CP
Analyzed by: see "By" below

Date

06/29/23

Time

18:02

Laboratory Data

SDG ID: GCO40751
Phoenix ID: CO40755

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

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	06/29/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	06/29/23	MH	E624.1
Carbon disulfide	0.26	J 0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/29/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	06/29/23	MH	E624.1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	06/29/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	06/29/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	06/29/23	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/29/23	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	06/29/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	06/29/23	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	06/29/23	MH	70 - 130 %
% Dibromofluoromethane	103			%	1	06/29/23	MH	70 - 130 %
% Toluene-d8	98			%	1	06/29/23	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.

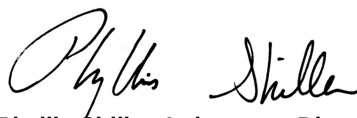
Comments:

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

July 03, 2023

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



QA/QC Report

July 03, 2023

QA/QC Data

SDG I.D.: GCO40751

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 685356 (ug/L), QC Sample No: CO39958 (CO40752 (5X))										
<u>Volatiles - Ground Water</u>										
Tetrachloroethene	ND	1.0	98	97	1.0	96	97	1.0	73 - 127	20
% 1,2-dichlorobenzene-d4	101	%	100	101	1.0	100	98	2.0	70 - 130	30
% Bromofluorobenzene	97	%	101	102	1.0	103	102	1.0	70 - 130	30
% Dibromofluoromethane	109	%	105	103	1.9	108	104	3.8	70 - 130	30
% Toluene-d8	96	%	99	99	0.0	98	99	1.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 685096 (ug/L), QC Sample No: CO40914 (CO40751, CO40752, CO40753, CO40754, CO40755)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	98	99	1.0	101	104	2.9	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	100	97	3.0	103	103	0.0	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	100	100	0.0	102	102	0.0	71 - 129	20
1,1-Dichloroethane	ND	1.0	96	98	2.1	104	104	0.0	72 - 128	20
1,1-Dichloroethene	ND	1.0	94	94	0.0	94	100	6.2	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	99	98	1.0	97	99	2.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	100	98	2.0	102	103	1.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	101	100	1.0	101	102	1.0	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	99	99	0.0	99	100	1.0	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	98	98	0.0	98	98	0.0	63 - 137	20
Benzene	ND	0.70	100	99	1.0	102	101	1.0	64 - 136	20
Bromodichloromethane	ND	0.50	101	100	1.0	101	103	2.0	65 - 135	20
Bromoform	ND	1.0	104	101	2.9	105	106	0.9	71 - 129	20
Bromomethane	ND	1.0	91	92	1.1	69	82	17.2	40 - 160	20
Carbon Disulfide	ND	1.0	91	90	1.1	92	94	2.2	70 - 130	30
Carbon tetrachloride	ND	1.0	96	98	2.1	101	104	2.9	73 - 127	20
Chlorobenzene	ND	1.0	99	99	0.0	103	102	1.0	66 - 134	20
Chloroethane	ND	1.0	103	104	1.0	102	109	6.6	40 - 160	20
Chloroform	ND	1.0	103	96	7.0	100	101	1.0	67 - 133	20
Chloromethane	ND	1.0	101	98	3.0	102	102	0.0	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	98	97	1.0	101	97	4.0	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	103	101	2.0	98	101	3.0	40 - 160	20
Dibromochloromethane	ND	0.50	101	99	2.0	102	103	1.0	67 - 133	20
Ethylbenzene	ND	1.0	102	102	0.0	104	104	0.0	59 - 141	20
Isopropylbenzene	ND	1.0	102	100	2.0	99	102	3.0	70 - 130	30
m&p-Xylene	ND	1.0	102	102	0.0	103	104	1.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	100	99	1.0	104	104	0.0	70 - 130	30
Methylene chloride	ND	1.0	95	95	0.0	98	100	2.0	60 - 140	20
Naphthalene	ND	1.0	108	107	0.9	102	109	6.6	70 - 130	30
o-Xylene	ND	1.0	100	101	1.0	102	102	0.0	70 - 130	30
Tetrachloroethene	ND	1.0	98	96	2.1	96	96	0.0	73 - 127	20

QA/QC Data

SDG I.D.: GCO40751

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Toluene	ND	1.0	99	100	1.0	101	102	1.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	99	96	3.1	98	99	1.0	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	105	105	0.0	100	102	2.0	50 - 150	20
Trichloroethene	ND	1.0	99	99	0.0	98	99	1.0	66 - 134	20
Trichlorofluoromethane	ND	1.0	94	95	1.1	99	98	1.0	48 - 152	20
Vinyl chloride	ND	1.0	92	92	0.0	92	98	6.3	40 - 160	20
% 1,2-dichlorobenzene-d4	98	%	100	101	1.0	99	101	2.0	70 - 130	30
% Bromofluorobenzene	94	%	101	100	1.0	101	102	1.0	70 - 130	30
% Dibromofluoromethane	107	%	103	105	1.9	93	103	10.2	70 - 130	30
% Toluene-d8	97	%	99	99	0.0	99	98	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
 July 03, 2023

Monday, July 03, 2023

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCO40751 - 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.



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Analysis Comments

July 03, 2023

SDG I.D.: GCO40751

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

July 03, 2023

SDG I.D.: GCO40751

The samples in this delivery group were received at 1.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Bobbi Aloisa

From: Bobbi Aloisa
Sent: Friday, June 30, 2023 11:36 AM
To: James Wilkinson, PE; Bobbi Aloisa
Subject: 624 Issue
Attachments: GCO40751-ChainofCustody-1.pdf

Hi James

We can't report the following compounds (listed below) on the attached chain for samples that required 624 because we did not receive 2 "as is" vials in addition to the HCL for the sample that is being requested for 624 VOC's. We need 2 "as is" vials and 3 "hcl" vials when running samples for method 624. If these compounds are not constituents of concern then it might not be a problem. Please see below

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

Please LMK if you have any questions

Bobbi

Bobbi Aloisa

Vice President | Director of Client Services

Phoenix Environmental Laboratories, Inc.

587 East Middle Turnpike | Manchester, CT 06040

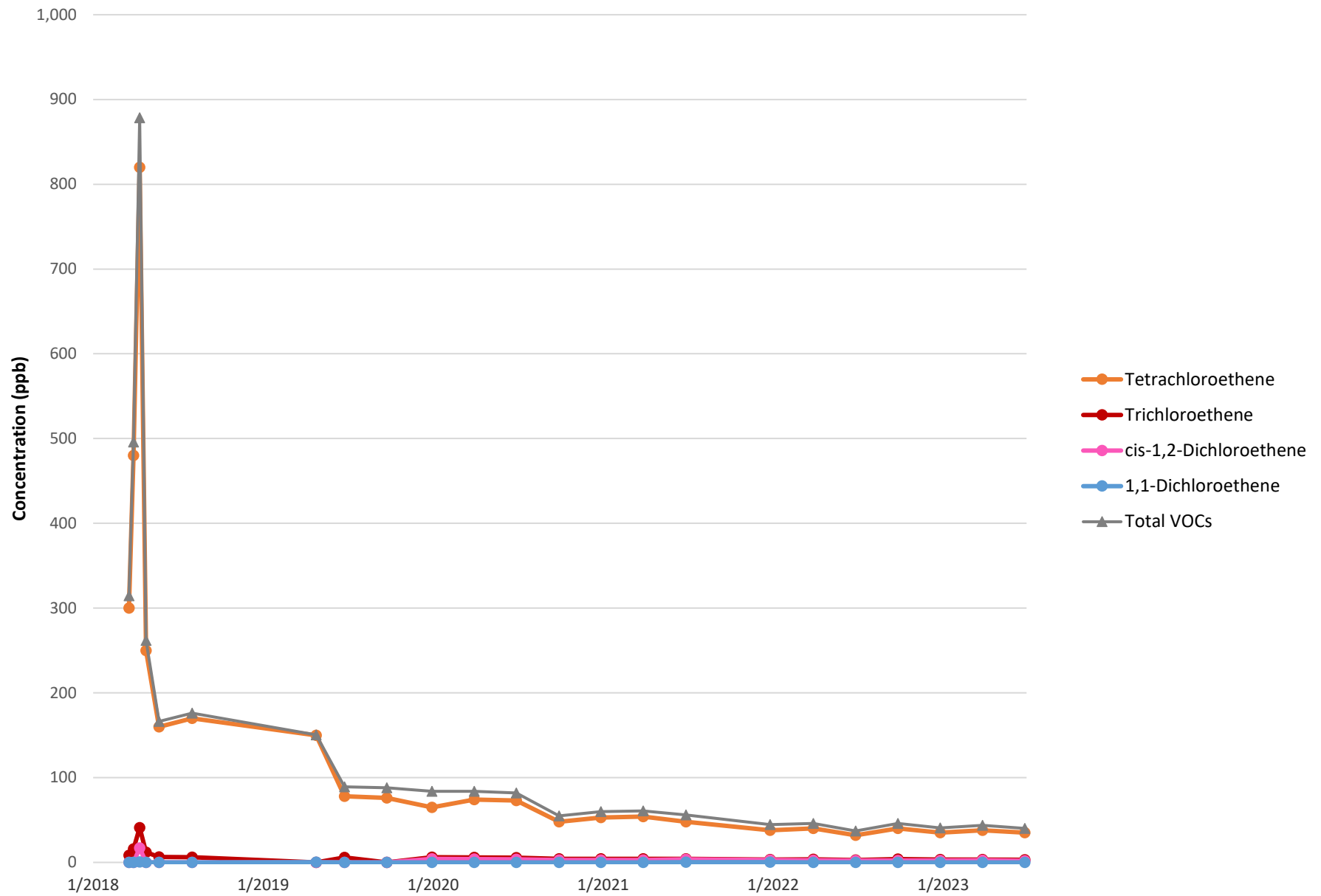
Direct Line: (860)-645-8728

www.phoenixlabs.com

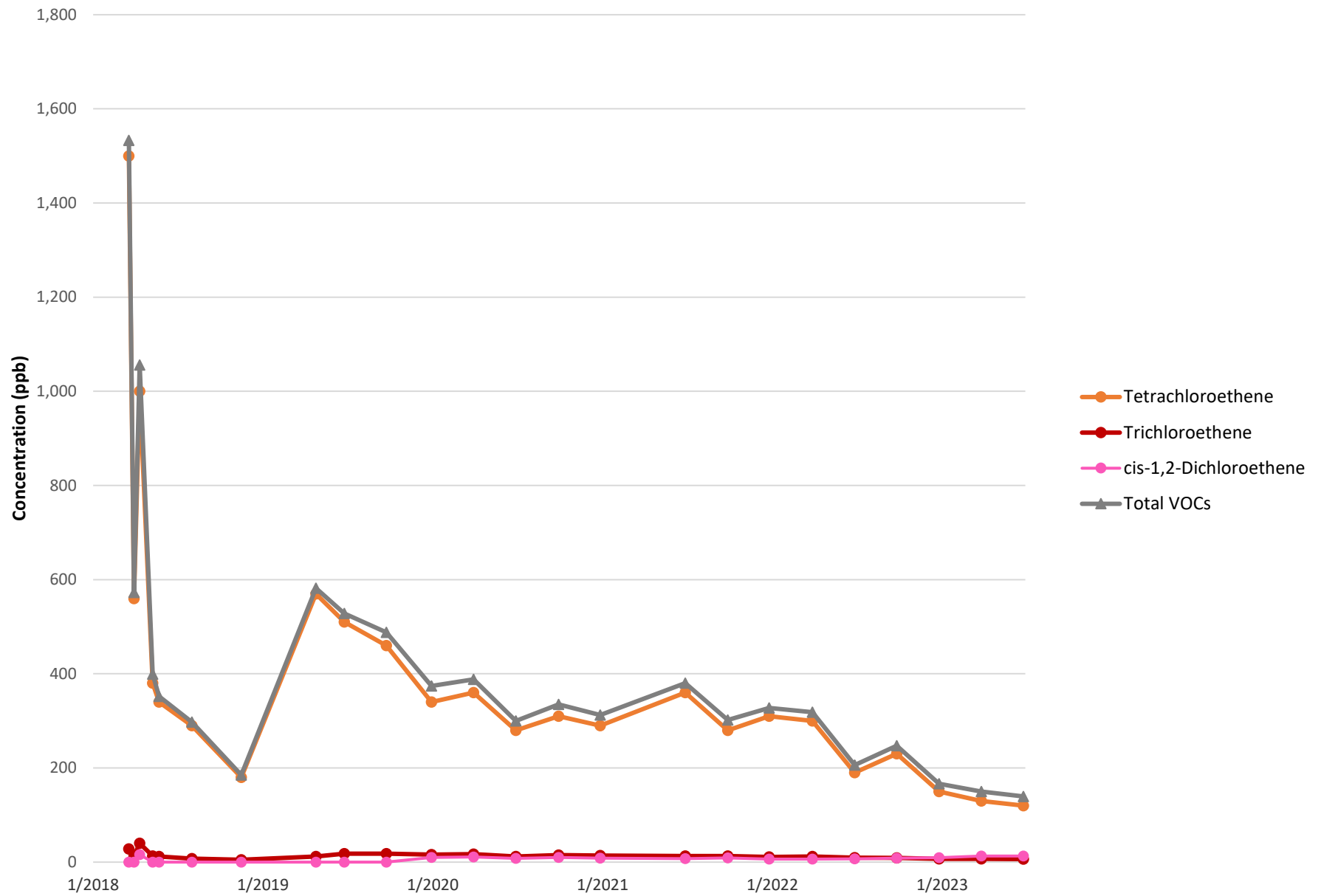


Appendix D
Groundwater Extraction Well Sampling
Historical Results

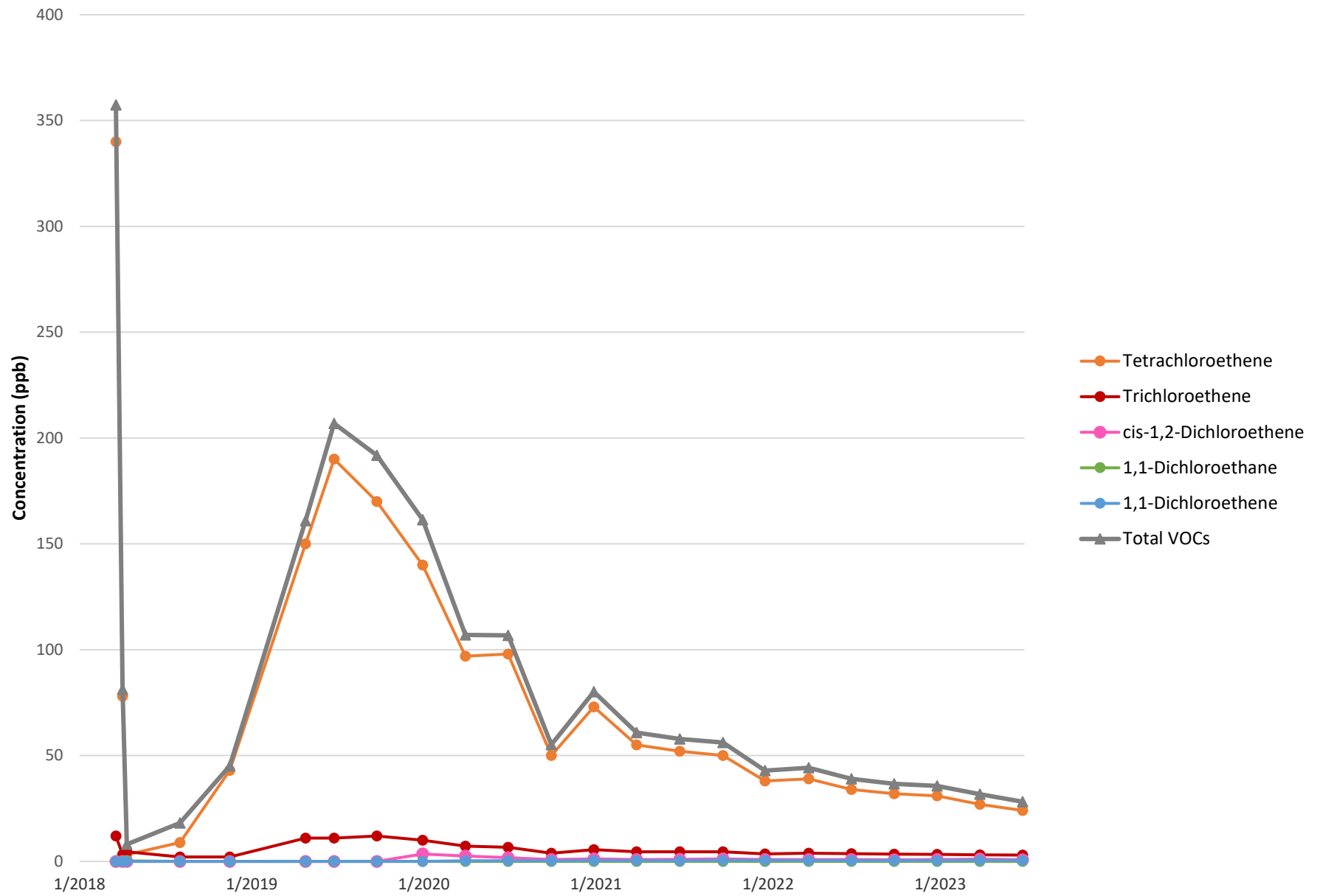
EX-1A



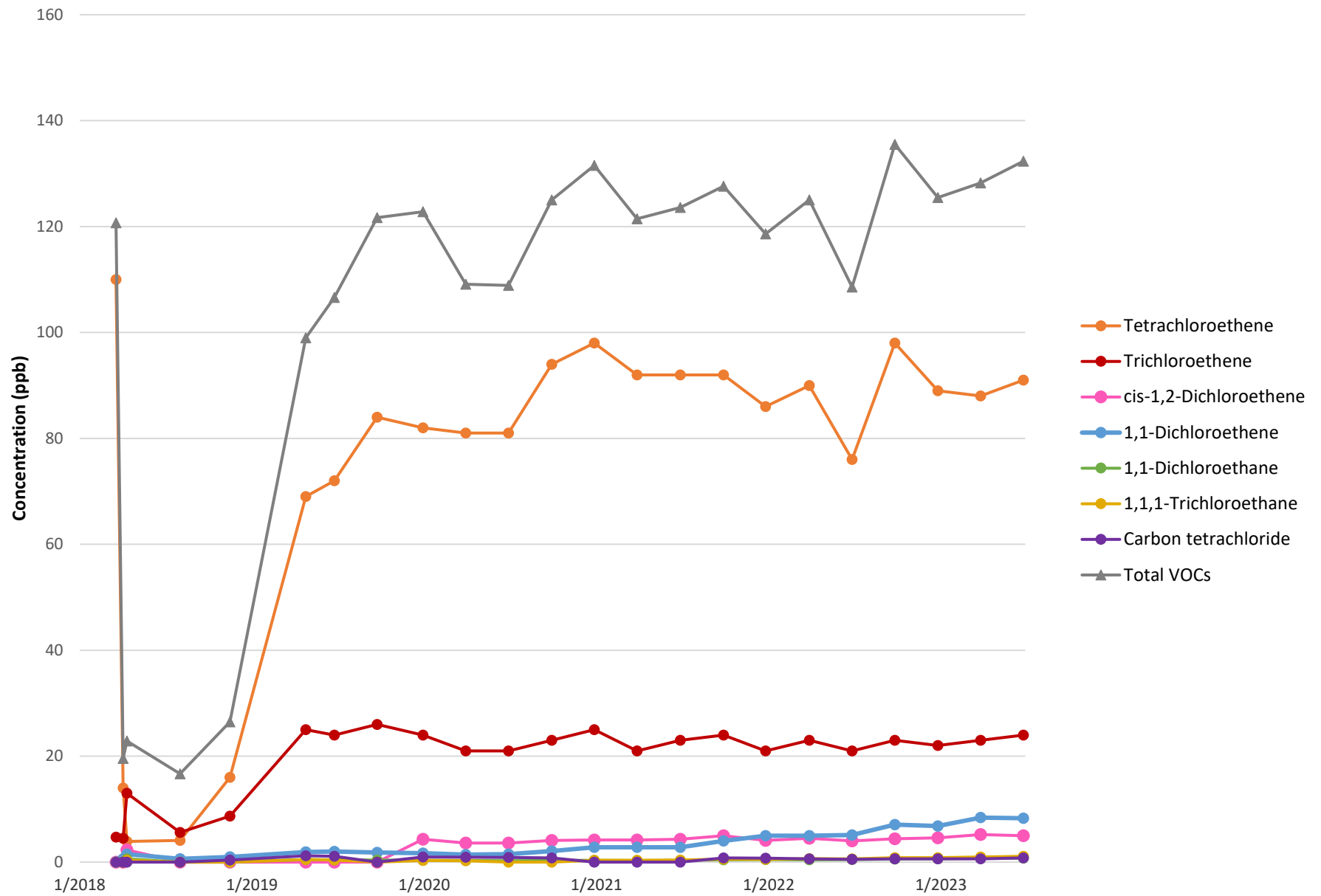
EX-1B



EX-1C



EX-1D



All Wells - Total VOCs

