

January 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: December 2022
Frost Street Sites: Site ID Nos. 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. Klein,

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

Air Sparge/Soil Vapor Extraction System – Operable Unit 1

- AS/SVE system operations continued this month, per the OM&M Manual. During periodic visits, system parameters were logged on dedicated forms (Appendix A). During the month of December, no alarm calls were received.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on December 23 using Summa canisters. These samples were obtained by EnviroTrac, submitted to Phoenix Environmental Laboratories, and analyzed by Method TO-15. Results are included in Appendix B.
 - Photoionization detector (PID) readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [10,738 µg/m³]) continue to indicate significant mass extraction.
 - A carbon exchange was performed on December 13, 2022. Effluent concentrations are below the carbon exchange indicator concentrations.

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	December 2022 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	0.41
Tetrachloroethene	1,000	38,000	2.18
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	0.3

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 December. To date, over 338 million gallons of water have been removed by this system.

Quarterly samples were collected from each operational extraction well on December 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	0.82
1,1-Dichloroethane	ND	ND	ND	0.62
1,1-Dichloroethene	ND	ND	0.44	6.8
Carbon Tetrachloride	ND	ND	ND	0.63
Chloroform	ND	ND	ND	1
cis-1,2-Dichloroethene	2.3	9.4	0.92	4.6
Tetrachloroethene	35	150	31	89
Trichloroethene	3.3	7.1	3.3	22
Total VOCs	40.6	166.5	35.66	125.47

EnSafe collected and prepared the additional information requested by NYSDEC on February 21, 2019, (additional pressure transducer data and groundwater elevation maps) to

facilitate review and comment on the *Expanded Pumping Test Summary, Findings, and Recommendations*, submitted on August 10, 2018. This information was transmitted to NYSDEC on March 22, 2019.

Groundwater Monitoring

The third quarter groundwater sampling event was performed the week of August 30. The electronic data deliverable was submitted to NYSDEC on October 13, 2022 and the *2022 Comprehensive Groundwater Monitoring Report* was submitted on December 14, 2022.

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: 8-Dec
Weather / Temp: Clear / 50 DEG
Technician / Operator: JW

Arrival Time: 13:00
Departure Time: 14:00

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)	4000		785		Blower 1 Total Runtime (hrs)	68,460.9			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	67,785.4			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	58				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	4				VGAC-1 Influent PID (ppm)	2.0			
VGAC-1 Influent Vacuum ("H2O)	50				VGAC-1 Effluent PID (ppm)	1.0			
VGAC-1 Effluent Vacuum ("H2O)	46				VGAC-2 Influent PID (ppm)	2.0			
VGAC-2 Influent Vacuum ("H2O)	46				VGAC-2 Effluent PID (ppm)	1.0			
VGAC-2 Effluent Vacuum ("H2O)	46				VGAC-3 Influent PID (ppm)	1.0			
VGAC-3 Influent Pressure ("H2O)	6				VGAC-3 Effluent PID (ppm)	2.0			
VGAC-3 Effluent Pressure ("H2O)	2				Blower Effluent PID (ppm)	0.5			
VGAC-3 Influent Temp (DegF)	120				Transfer Pump Total Runtime (hrs)	25,083.8			
Blower Effluent Pressure ("H2O)	18				Condensate Storage Tank Level (gal)	500 → 0			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	50	7500	164		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	44	4000	87	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	52	4000	87		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	55	2800	61	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	42	5000	109		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	50	6000	131	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	42	4200	92		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	44	2800	61	
Air Sparge System									
Compressor 1 Pressure (psi)	14				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	14,419.9				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	175				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	58				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	17				AS Manifold Temperature (degF)	50			
Air Cooler Outlet Pressure (psi)	17				AS Manifold Pressure	15			
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate			Pressure	Flow Rate			
AS-1 (psi)/(cfm)	7	10	AS-11 (psi)/(cfm)		16	4			
AS-2 (psi)/(cfm)	0	10	AS-12B (psi)/(cfm)		15	10			
AS-3 (psi)/(cfm)	0	10	AS-13B (psi)/(cfm)		15	12			
AS-4 (psi)/(cfm)	14	4	AS-14 (psi)/(cfm)		15	13			
AS-5 (psi)/(cfm)	16	7	AS-15 (psi)/(cfm)		15	12			
AS-6 (psi)/(cfm)	17	10	AS-16B (psi)/(cfm)		16	13			
AS-7 (psi)/(cfm)	17	7	AS-17 (psi)/(cfm)		16	10			
AS-8 (psi)/(cfm)	15	10	AS-18 (psi)/(cfm)		15	12			
AS-9 (psi)/(cfm)	15	10	AS-19 (psi)/(cfm)		15	5			
AS-10B (psi)/(cfm)	16	10							

Notes, Comments & Observations:

System off upon arrival due to high level in storage tank. Emptied tank and restarted system.

VGAC-3 switched to pressure side of blower.

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: 8-Dec
Weather / Temp: Clear / 50 DEG
Technician / Operator: JW

Arrival Time: 13:00
Departure Time: 14:00

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	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 7/15/22
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
Air Cooler			
-Inspect	Weekly	Y	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

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: 13-Dec
Weather / Temp: Clear / 30 DEG
Technician / Operator: JL

Arrival Time: 7:00
Departure Time: 12:30

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)	4000		785		Blower 1 Total Runtime (hrs)	68,521.1			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	67,845.0			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	60				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	4				VGAC-1 Influent PID (ppm)	2.0			
VGAC-1 Influent Vacuum ("H2O)	50				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-1 Effluent Vacuum ("H2O)	45				VGAC-2 Influent PID (ppm)	2.0			
VGAC-2 Influent Vacuum ("H2O)	45				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-2 Effluent Vacuum ("H2O)	45				VGAC-3 Influent PID (ppm)	0.0			
VGAC-3 Influent Pressure ("H2O)	5				VGAC-3 Effluent PID (ppm)	0.0			
VGAC-3 Effluent Pressure ("H2O)	2				Blower Effluent PID (ppm)	0.0			
VGAC-3 Influent Temp (DegF)	110				Transfer Pump Total Runtime (hrs)	25,085.1			
Blower Effluent Pressure ("H2O)	15				Condensate Storage Tank Level (gal)	200			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	50	7500	164		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	45	4000	87	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	52	4000	87		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	55	2800	61	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	44	5000	109		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	50	6000	131	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	42	4000	87		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	45	2800	61	
Air Sparge System									
Compressor 1 Pressure (psi)	15				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	14,539.7				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	150				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	42				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	17				AS Manifold Temperature (degF)	40			
Air Cooler Outlet Pressure (psi)	16				AS Manifold Pressure	15			
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate			Pressure	Flow Rate			
AS-1 (psi)/(cfm)	7	10	AS-11 (psi)/(cfm)		15	5			
AS-2 (psi)/(cfm)	5	10	AS-12B (psi)/(cfm)		15	10			
AS-3 (psi)/(cfm)	0	10	AS-13B (psi)/(cfm)		15	10			
AS-4 (psi)/(cfm)	14	4	AS-14 (psi)/(cfm)		15	13			
AS-5 (psi)/(cfm)	15	10	AS-15 (psi)/(cfm)		15	12			
AS-6 (psi)/(cfm)	17	10	AS-16B (psi)/(cfm)		16	13			
AS-7 (psi)/(cfm)	17	7	AS-17 (psi)/(cfm)		15	10			
AS-8 (psi)/(cfm)	15	10	AS-18 (psi)/(cfm)		15	10			
AS-9 (psi)/(cfm)	15	10	AS-19 (psi)/(cfm)		15	5			
AS-10B (psi)/(cfm)	16	10							

Notes, Comments & Observations:

VGAC changeout completed in vessels VGAC-1,2,3.

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Westbury, NY

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

Date: 13-Dec
Weather / Temp: Clear / 30 DEG
Technician / Operator: JL

Arrival Time: 7:00
Departure Time: 12:30

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	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 7/15/22
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
Air Cooler			
-Inspect	Weekly	Y	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

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: 23-Dec
Weather / Temp: Rain / 50 DEG
Technician / Operator: JW

Arrival Time: 13:00
Departure Time: 14:00

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)	4000		785		Blower 1 Total Runtime (hrs)	68,641.4			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	67,964.3			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	58				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3.5				VGAC-1 Influent PID (ppm)	0.0			
VGAC-1 Influent Vacuum ("H2O)	50				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-1 Effluent Vacuum ("H2O)	46				VGAC-2 Influent PID (ppm)	0.0			
VGAC-2 Influent Vacuum ("H2O)	46				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-2 Effluent Vacuum ("H2O)	46				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)	120				Transfer Pump Total Runtime (hrs)	25,087.6			
Blower Effluent Pressure ("H2O)	18				Condensate Storage Tank Level (gal)	400 → 0			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	50	7000	153	1.0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	44	4000	87	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	50	4000	87	1.0	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	54	2800	61	0.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	44	5000	109	0.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	46	6000	131	3.0
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	42	4200	92	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	44	2800	61	0.0
Air Sparge System									
Compressor 1 Pressure (psi)	14				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	14,779.4				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	175				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	58				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	17				AS Manifold Temperature (degF)	50			
Air Cooler Outlet Pressure (psi)	17				AS Manifold Pressure	15			
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate		Pressure	Flow Rate				
AS-1 (psi)/(cfm)	6	10	AS-11 (psi)/(cfm)	15	5				
AS-2 (psi)/(cfm)	0	10	AS-12B (psi)/(cfm)	16	10				
AS-3 (psi)/(cfm)	16	9	AS-13B (psi)/(cfm)	15	10				
AS-4 (psi)/(cfm)	13	4	AS-14 (psi)/(cfm)	15	13				
AS-5 (psi)/(cfm)	17	6	AS-15 (psi)/(cfm)	15	12				
AS-6 (psi)/(cfm)	17	10	AS-16B (psi)/(cfm)	16	12				
AS-7 (psi)/(cfm)	17	7	AS-17 (psi)/(cfm)	16	10				
AS-8 (psi)/(cfm)	15	12	AS-18 (psi)/(cfm)	15	10				
AS-9 (psi)/(cfm)	16	9	AS-19 (psi)/(cfm)	15	4				
AS-10B (psi)/(cfm)	15	10							

Notes, Comments & Observations:

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

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

Date: 23-Dec
Weather / Temp: Rain / 50 DEG
Technician / Operator: JW

Arrival Time: 13:00
Departure Time: 14:00

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	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 7/15/22
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
Air Cooler			
-Inspect	Weekly	Y	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

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



Friday, December 30, 2022

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

Project ID: ENSAFE-WESTBURY
SDG ID: GCN12670
Sample ID#s: CN12670 - CN12671

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

December 30, 2022

SDG I.D.: GCN12670

Project ID: ENSAFE-WESTBURY

Client Id	Lab Id	Matrix
SVE EFFLUENT	CN12670	AIR
SVE INFLUENT	CN12671	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

December 30, 2022

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

Sample Information

Matrix: AIR
Location Code: ENVIROTR
Rush Request: Standard
P.O.#:
Canister Id: 788

Custody Information

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

Date Time
12/23/22 13:06
12/27/22 17:29

Laboratory Data

SDG ID: GCN12670
Phoenix ID: CN12670

Project ID: ENSAFE-WESTBURY
Client ID: SVE EFFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	12/28/22	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	12/28/22	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/28/22	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/28/22	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	12/28/22	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	12/28/22	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/28/22	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	12/28/22	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/28/22	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/28/22	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	12/28/22	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	12/28/22	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/28/22	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	12/28/22	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	12/28/22	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/28/22	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/28/22	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	12/28/22	KCA	1
2-Hexanone(MBK)	0.364	0.244	1.49	1.00	12/28/22	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	12/28/22	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	12/28/22	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	12/28/22	KCA	1
Acetone	5.01	0.421	11.9	1.00	12/28/22	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	12/28/22	KCA	1
Benzene	2.31	0.313	7.38	1.00	12/28/22	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	12/28/22	KCA	1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	12/28/22	KCA	1
Bromoform	ND	0.097	ND	1.00	12/28/22	KCA	1
Bromomethane	ND	0.258	ND	1.00	12/28/22	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	12/28/22	KCA	1
Carbon Tetrachloride	ND	0.032	ND	0.20	12/28/22	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	12/28/22	KCA	1
Chloroethane	ND	0.379	ND	1.00	12/28/22	KCA	1
Chloroform	ND	0.205	ND	1.00	12/28/22	KCA	1
Chloromethane	ND	0.485	ND	1.00	12/28/22	KCA	1
Cis-1,2-Dichloroethene	0.076	0.051	0.30	0.20	12/28/22	KCA	1
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	12/28/22	KCA	1
Cyclohexane	ND	0.291	ND	1.00	12/28/22	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	12/28/22	KCA	1
Dichlorodifluoromethane	0.660	0.202	3.26	1.00	12/28/22	KCA	1
Ethanol	1.57	0.531	2.96	1.00	12/28/22	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	12/28/22	KCA	1 1
Ethylbenzene	ND	0.230	ND	1.00	12/28/22	KCA	1
Heptane	ND	0.244	ND	1.00	12/28/22	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	12/28/22	KCA	1
Hexane	ND	0.284	ND	1.00	12/28/22	KCA	1
Isopropylalcohol	ND	0.407	ND	1.00	12/28/22	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	12/28/22	KCA	1
m,p-Xylene	ND	0.230	ND	1.00	12/28/22	KCA	1
Methyl Ethyl Ketone	0.640	0.339	1.89	1.00	12/28/22	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/28/22	KCA	1
Methylene Chloride	ND	0.863	ND	3.00	12/28/22	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	12/28/22	KCA	1 1
o-Xylene	ND	0.230	ND	1.00	12/28/22	KCA	1
Propylene	ND	0.581	ND	1.00	12/28/22	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	12/28/22	KCA	1 1
Styrene	ND	0.235	ND	1.00	12/28/22	KCA	1
Tetrachloroethene	0.322	0.037	2.18	0.25	12/28/22	KCA	1
Tetrahydrofuran	ND	0.339	ND	1.00	12/28/22	KCA	1 1
Toluene	ND	0.266	ND	1.00	12/28/22	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	12/28/22	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	12/28/22	KCA	1
Trichloroethene	0.077	0.037	0.41	0.20	12/28/22	KCA	1
Trichlorofluoromethane	ND	0.178	ND	1.00	12/28/22	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	12/28/22	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	12/28/22	KCA	1
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene	105	%	105	%	12/28/22	KCA	1
% IS-1,4-Difluorobenzene	97	%	97	%	12/28/22	KCA	1
% IS-Bromochloromethane	96	%	96	%	12/28/22	KCA	1
% IS-Chlorobenzene-d5	96	%	96	%	12/28/22	KCA	1

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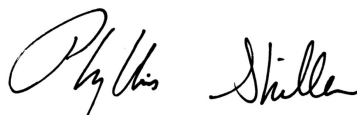
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

December 30, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

December 30, 2022

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

Sample Information

Matrix: AIR
Location Code: ENVIROTR
Rush Request: Standard
P.O.#:
Canister Id: 834

Custody Information

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

Date

12/23/22 13:11
12/27/22 17:29

Time

Laboratory Data

SDG ID: GCN12670
Phoenix ID: CN12671

Project ID: ENSAFE-WESTBURY
Client ID: SVE INFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	1.46	ND	10.0	12/28/22	KCA	10
1,1,1-Trichloroethane	ND	1.83	ND	10.0	12/28/22	KCA	10
1,1,2,2-Tetrachloroethane	ND	1.46	ND	10.0	12/28/22	KCA	10
1,1,2-Trichloroethane	ND	1.83	ND	10.0	12/28/22	KCA	10
1,1-Dichloroethane	ND	2.47	ND	10.0	12/28/22	KCA	10
1,1-Dichloroethene	ND	0.505	ND	2.00	12/28/22	KCA	10
1,2,4-Trichlorobenzene	ND	1.35	ND	10.0	12/28/22	KCA	10
1,2,4-Trimethylbenzene	ND	2.04	ND	10.0	12/28/22	KCA	10
1,2-Dibromoethane(EDB)	ND	1.30	ND	10.0	12/28/22	KCA	10
1,2-Dichlorobenzene	ND	1.66	ND	10.0	12/28/22	KCA	10
1,2-Dichloroethane	ND	2.47	ND	10.0	12/28/22	KCA	10
1,2-dichloropropane	ND	2.17	ND	10.0	12/28/22	KCA	10
1,2-Dichlorotetrafluoroethane	ND	1.43	ND	10.0	12/28/22	KCA	10
1,3,5-Trimethylbenzene	ND	2.04	ND	10.0	12/28/22	KCA	10
1,3-Butadiene	ND	4.52	ND	10.0	12/28/22	KCA	10
1,3-Dichlorobenzene	ND	1.66	ND	10.0	12/28/22	KCA	10
1,4-Dichlorobenzene	ND	1.66	ND	10.0	12/28/22	KCA	10
1,4-Dioxane	ND	2.78	ND	10.0	12/28/22	KCA	10
2-Hexanone(MBK)	ND	2.44	ND	10.0	12/28/22	KCA	10
4-Ethyltoluene	ND	2.04	ND	10.0	12/28/22	KCA	10
4-Isopropyltoluene	ND	1.82	ND	10.0	12/28/22	KCA	10
4-Methyl-2-pentanone(MIBK)	ND	2.44	ND	10.0	12/28/22	KCA	10
Acetone	ND	4.21	ND	10.0	12/28/22	KCA	10
Acrylonitrile	ND	4.61	ND	10.0	12/28/22	KCA	10
Benzene	ND	3.13	ND	10.0	12/28/22	KCA	10
Benzyl chloride	ND	1.93	ND	10.0	12/28/22	KCA	10

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	1.49	ND	10.0	12/28/22	KCA	10
Bromoform	ND	0.968	ND	10.0	12/28/22	KCA	10
Bromomethane	ND	2.58	ND	10.0	12/28/22	KCA	10
Carbon Disulfide	ND	3.21	ND	10.0	12/28/22	KCA	10
Carbon Tetrachloride	ND	0.318	ND	2.00	12/28/22	KCA	10
Chlorobenzene	ND	2.17	ND	10.0	12/28/22	KCA	10
Chloroethane	ND	3.79	ND	10.0	12/28/22	KCA	10
Chloroform	ND	2.05	ND	10.0	12/28/22	KCA	10
Chloromethane	ND	4.85	ND	10.0	12/28/22	KCA	10
Cis-1,2-Dichloroethene	40.8	0.505	162	2.00	12/28/22	KCA	10
cis-1,3-Dichloropropene	ND	2.20	ND	10.0	12/28/22	KCA	10
Cyclohexane	ND	2.91	ND	10.0	12/28/22	KCA	10
Dibromochloromethane	ND	1.17	ND	10.0	12/28/22	KCA	10
Dichlorodifluoromethane	ND	2.02	ND	10.0	12/28/22	KCA	10
Ethanol	13.9	5.31	26.2	10.0	12/28/22	KCA	10
Ethyl acetate	ND	2.78	ND	10.0	12/28/22	KCA	10
Ethylbenzene	ND	2.30	ND	10.0	12/28/22	KCA	10
Heptane	ND	2.44	ND	10.0	12/28/22	KCA	10
Hexachlorobutadiene	ND	0.938	ND	10.0	12/28/22	KCA	10
Hexane	ND	2.84	ND	10.0	12/28/22	KCA	10
Isopropylalcohol	ND	4.07	ND	10.0	12/28/22	KCA	10
Isopropylbenzene	ND	2.04	ND	10.0	12/28/22	KCA	10
m,p-Xylene	ND	2.30	ND	10.0	12/28/22	KCA	10
Methyl Ethyl Ketone	ND	3.39	ND	10.0	12/28/22	KCA	10
Methyl tert-butyl ether(MTBE)	ND	2.78	ND	10.0	12/28/22	KCA	10
Methylene Chloride	ND	8.63	ND	30.0	12/28/22	KCA	10
n-Butylbenzene	ND	1.82	ND	10.0	12/28/22	KCA	10
o-Xylene	ND	2.30	ND	10.0	12/28/22	KCA	10
Propylene	ND	5.81	ND	10.0	12/28/22	KCA	10
sec-Butylbenzene	ND	1.82	ND	10.0	12/28/22	KCA	10
Styrene	ND	2.35	ND	10.0	12/28/22	KCA	10
Tetrachloroethene	1490	3.69	10100	25.0	12/28/22	KCA	100
Tetrahydrofuran	ND	3.39	ND	10.0	12/28/22	KCA	10
Toluene	ND	2.66	ND	10.0	12/28/22	KCA	10
Trans-1,2-Dichloroethene	ND	2.52	ND	10.0	12/28/22	KCA	10
trans-1,3-Dichloropropene	ND	2.20	ND	10.0	12/28/22	KCA	10
Trichloroethene	88.6	0.370	476	1.99	12/28/22	KCA	10
Trichlorofluoromethane	ND	1.78	ND	10.0	12/28/22	KCA	10
Trichlorotrifluoroethane	ND	1.31	ND	10.0	12/28/22	KCA	10
Vinyl Chloride	ND	0.780	ND	1.99	12/28/22	KCA	10
<u>QA/OC Surrogates/Internals</u>							
% Bromofluorobenzene (10x)	104	%	104	%	12/28/22	KCA	10
% IS-1,4-Difluorobenzene (10x)	90	%	90	%	12/28/22	KCA	10
% IS-Bromochloromethane (10x)	91	%	91	%	12/28/22	KCA	10
% IS-Chlorobenzene-d5 (10x)	90	%	90	%	12/28/22	KCA	10
% Bromofluorobenzene (100x)	98	%	98	%	12/28/22	KCA	100
% IS-1,4-Difluorobenzene (100x)	99	%	99	%	12/28/22	KCA	100
% IS-Bromochloromethane (100x)	95	%	95	%	12/28/22	KCA	100
% IS-Chlorobenzene-d5 (100x)	92	%	92	%	12/28/22	KCA	100

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

December 30, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



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



Canister Sampling Information

December 30, 2022

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

Location Code: ENVIOTR

SDG I.D.: GCN12670

Project ID: ENSAFE-WESTBURY

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SVE EFFLUENT	CN12670	788	1.4L		12/03/22	-30	-1						12/23/22 13:05	12/23/22 13:06
SVE INFLUENT	CN12671	834	1.4L		12/03/22	-30	-7						12/23/22 13:10	12/23/22 13:11



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



QA/QC Report

December 30, 2022

QA/QC Data

SDG I.D.: GCN12670

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 657764 (ppbv), QC Sample No: CN12461 (CN12671 (10X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	107	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	103	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	98	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	102	1.65	1.58	0.336	0.321	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	104	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	103	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	103	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	99	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	100	1.55	1.50	0.315	0.305	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	101	1.21	1.17	0.296	0.287	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	100	26.6	26.4	11.2	11.1	0.9	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	101	1.58	1.51	0.496	0.473	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	112	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	118	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	110	0.45	0.45	0.071	0.072	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	102	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	103	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	103	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	112	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	104	2.37	2.34	0.479	0.473	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	126	66.5	64.2	35.3	34.1	3.5	70 - 130	25

QA/QC Data

SDG I.D.: GCN12670

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	88	1.36	1.43	0.377	0.396	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	101	1.75	1.71	0.403	0.394	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	101	2.11	2.20	0.515	0.537	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	102	4.37	4.23	1.24	1.20	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	107	50.1	49.1	20.4	20.0	2.0	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	104	5.47	5.38	1.26	1.24	1.6	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	103	2.76	2.74	0.936	0.930	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	101	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	96	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	101	1.85	1.83	0.427	0.422	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	101	14.4	14.4	3.83	3.83	0.0	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	104	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	102	0.37	0.37	0.069	0.068	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	104	1.70	1.67	0.303	0.298	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	103	%	103	%	101	103	104	103	104	NC	70 - 130	25
% IS-1,4-Difluorobenzene	95	%	95	%	97	98	97	98	97	NC	60 - 140	25
% IS-Bromochloromethane	95	%	95	%	97	97	98	97	98	NC	60 - 140	25
% IS-Chlorobenzene-d5	95	%	95	%	100	97	97	97	97	NC	60 - 140	25

QA/QC Batch 657939 (ppbv), QC Sample No: CN12553 (CN12670)

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	102	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	99	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	102	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	102	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	98	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	106	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	97	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	96	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	99	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCN12670

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
Acetone	ND	0.420	ND	1.00	96	29.9	29.4	12.6	12.4	1.6	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	98	0.28	0.27	0.044	0.043	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	97	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	99	2.99	2.95	0.613	0.604	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	95	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	99	2.06	2.06	0.519	0.519	0.0	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	104	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	101	12.1	12.2	2.45	2.46	0.4	70 - 130	25
Ethanol	ND	0.530	ND	1.00	122	49.7	49.5	26.4	26.3	0.4	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	82	1.30	1.16	0.362	0.322	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	98	1.16	1.13	0.328	0.321	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	98	14.0	13.7	5.68	5.56	2.1	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	97	1.73	1.72	0.586	0.583	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	97	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	101	130	129	19.2	19.1	0.5	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	97	3.12	3.27	1.06	1.11	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	98	9.9	9.8	2.62	2.60	0.8	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	102	1.91	1.88	0.355	0.350	1.4	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	102	21.1	21.1	3.76	3.76	0.0	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	97	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	104	%	104	%	103	105	104	105	104	NC	70 - 130	25
% IS-1,4-Difluorobenzene	97	%	97	%	99	98	98	98	98	NC	60 - 140	25
% IS-Bromochloromethane	96	%	96	%	99	97	97	97	97	NC	60 - 140	25
% IS-Chlorobenzene-d5	95	%	95	%	101	97	96	97	96	NC	60 - 140	25

QA/QC Batch 657945 (ppbv), QC Sample No: CN12804 (CN12671 (100X))

Volatiles

Tetrachloroethene	ND	7.50	ND	50.8	94	10400	10100	1530	1490	2.6	70 - 130	25
% Bromofluorobenzene	93		93		103	99	98	99	98	NC	70 - 130	25

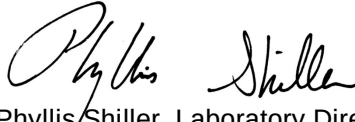
QA/QC Data

SDG I.D.: GCN12670

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
% IS-1,4-Difluorobenzene	121	%	121	%	113	104	106	104	106	NC	60 - 140	25
% IS-Bromochloromethane	115	%	115	%	108	97	98	97	98	NC	60 - 140	25
% IS-Chlorobenzene-d5	115	%	115	%	114	93	94	93	94	NC	60 - 140	25

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
December 30, 2022

Friday, December 30, 2022

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCN12670 - 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

December 30, 2022

SDG I.D.: GCN12670

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

AIRSIM

CHEM39 12/28/22-1: CN12670

The following Continuing Calibration compounds did not meet % deviation criteria: Benzyl chloride(sim) 34%L (30%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: Benzyl chloride(sim) 34%L (30%)

Appendix C
AS/SVE System Water Sample
Laboratory Analytical Results



Monday, January 09, 2023

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

Project ID: FROST STREET-OU1
SDG ID: GCN14327
Sample ID#s: CN14327 - CN14328

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

January 09, 2023

SDG I.D.: GCN14327

Project ID: FROST STREET-OU1

Client Id	Lab Id	Matrix
SVE DISCHARGE WATER	CN14327	GROUND WATER
TRIP BLANK	CN14328	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

January 09, 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: JM
Received by: CP
Analyzed by: see "By" below

Date

12/29/22
12/29/22

Time

9:00
16:43

Laboratory Data

SDG ID: GCN14327
Phoenix ID: CN14327

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	01/05/23	TH	SW6010D
Chromium	0.003	0.001		mg/L	1	01/05/23	TH	SW6010D
Copper	0.023	0.005		mg/L	1	01/05/23	TH	SW6010D
Iron	1.31	0.010		mg/L	1	01/05/23	TH	SW6010D
Nickel	0.002	0.001		mg/L	1	01/05/23	TH	SW6010D
Zinc	0.012	0.004		mg/L	1	01/05/23	TH	SW6010D
Chromium, Hexavalent	< 0.01	0.01		mg/L	1	12/29/22 21:15	AKS	SM3500CRB-11
PCB Extraction	Completed					12/29/22		E608.3
Total Metals Digestion	Completed					01/03/23	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.047	0.047	ug/L	1	12/30/22	SC	E608.3	
PCB-1221	ND	0.047	0.047	ug/L	1	12/30/22	SC	E608.3	
PCB-1232	ND	0.047	0.047	ug/L	1	12/30/22	SC	E608.3	
PCB-1242	ND	0.047	0.047	ug/L	1	12/30/22	SC	E608.3	
PCB-1248	ND	0.047	0.047	ug/L	1	12/30/22	SC	E608.3	
PCB-1254	ND	0.047	0.047	ug/L	1	12/30/22	SC	E608.3	
PCB-1260	ND	0.047	0.047	ug/L	1	12/30/22	SC	E608.3	
PCB-1262	ND	0.047	0.047	ug/L	1	12/30/22	SC	E608.3	1
PCB-1268	ND	0.047	0.047	ug/L	1	12/30/22	SC	E608.3	1

QA/QC Surrogates

% DCBP	81		%	1	12/30/22	SC	30 - 150 %
% DCBP (Confirmation)	77		%	1	12/30/22	SC	30 - 150 %
% TCMX	81		%	1	12/30/22	SC	30 - 150 %
% TCMX (Confirmation)	90		%	1	12/30/22	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	12/30/22	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/30/22	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/22	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/30/22	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/30/22	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/30/22	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/30/22	MH	E624.1
Tetrachloroethene	0.35	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/22	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	12/30/22	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	12/30/22	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	12/30/22	MH	70 - 130 %
% Toluene-d8	106			%	1	12/30/22	MH	70 - 130 %

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

Phoenix I.D.: CN14327

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.

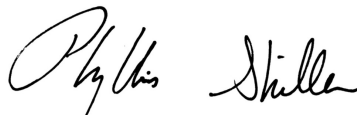
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added 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.

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

January 09, 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

January 09, 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: JM
Received by: CP
Analyzed by: see "By" below

Date

12/29/22
12/29/22

Time

9:00
16:43

Laboratory Data

SDG ID: GCN14327
Phoenix ID: CN14328

Project ID: FROST STREET-OU1
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	12/29/22	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/29/22	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/29/22	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/29/22	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/29/22	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	12/29/22	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/29/22	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/29/22	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/29/22	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	12/29/22	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	12/29/22	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	12/29/22	MH	70 - 130 %
% Toluene-d8	96			%	1	12/29/22	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.

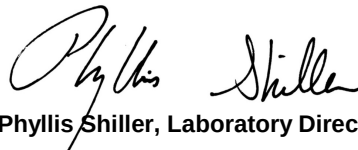
Comments:

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.
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Phyllis Shiller, Laboratory Director

January 09, 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



QA/QC Report

January 09, 2023

QA/QC Data

SDG I.D.: GCN14327

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 658347 (mg/L), QC Sample No: CN14329 (CN14327)													
<u>ICP Metals - Aqueous</u>													
Cadmium	BRL	0.001	<0.001	<0.001	NC	107	104	2.8	101			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	108	105	2.8	101			80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	107	104	2.8	102			80 - 120	20
Iron	BRL	0.010	<0.010	<0.010	NC	108	105	2.8	101			80 - 120	20
Nickel	BRL	0.001	0.003	0.003	NC	108	106	1.9	101			80 - 120	20
Zinc	BRL	0.004	<0.004	0.012	NC	106	103	2.9	101			80 - 120	20

Comment:

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



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QA/QC Report

January 09, 2023

QA/QC Data

SDG I.D.: GCN14327

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 658055 (mg/L), QC Sample No: CN14205 (CN14327)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	97.2			104			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

January 09, 2023

QA/QC Data

SDG I.D.: GCN14327

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 658039 (ug/L), QC Sample No: CN13191 (CN14327)										
Polychlorinated Biphenyls - Ground Water										
PCB-1016	ND	0.050	36						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	44						30 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	105	%	105						30 - 150	20
% DCBP (Surrogate Rec) (Confirm)	100	%	101						30 - 150	20
% TCMX (Surrogate Rec)	84	%	82						30 - 150	20
% TCMX (Surrogate Rec) (Confirm)	83	%	84						30 - 150	20

Comment:

This batch consists of a Blank and LCS.

QA/QC Batch 658135 (ug/L), QC Sample No: CN14326 (CN14327, CN14328)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	92	94	2.2	96	105	9.0	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	101	104	2.9	105	108	2.8	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	107	104	2.8	112	108	3.6	71 - 129	20
1,1-Dichloroethane	ND	1.0	98	98	0.0	103	112	8.4	72 - 128	20
1,1-Dichloroethene	ND	1.0	95	96	1.0	94	103	9.1	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	96	105	9.0	100	106	5.8	63 - 137	20
1,2-Dichloroethane	ND	1.0	100	111	10.4	107	103	3.8	68 - 132	20
1,2-Dichloropropane	ND	1.0	105	106	0.9	111	108	2.7	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	96	107	10.8	98	106	7.8	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	94	104	10.1	97	105	7.9	63 - 137	20
Benzene	ND	0.70	101	108	6.7	104	103	1.0	64 - 136	20
Bromodichloromethane	ND	0.50	100	104	3.9	106	105	0.9	65 - 135	20
Bromoform	ND	1.0	92	96	4.3	96	99	3.1	71 - 129	20
Bromomethane	ND	1.0	100	98	2.0	82	101	20.8	40 - 160	20
Carbon Disulfide	ND	1.0	90	90	0.0	85	93	9.0	70 - 130	30
Carbon tetrachloride	ND	1.0	84	90	6.9	89	100	11.6	73 - 127	20
Chlorobenzene	ND	1.0	96	107	10.8	101	106	4.8	66 - 134	20
Chloroethane	ND	1.0	109	109	0.0	109	116	6.2	40 - 160	20
Chloroform	ND	1.0	96	97	1.0	100	110	9.5	67 - 133	20
Chloromethane	ND	1.0	103	107	3.8	109	119	8.8	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	97	99	2.0	97	107	9.8	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	102	107	4.8	102	102	0.0	40 - 160	20
Dibromochloromethane	ND	0.50	93	102	9.2	96	105	9.0	67 - 133	20

QA/QC Data

SDG I.D.: GCN14327

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Ethylbenzene	ND	1.0	99	110	10.5	102	109	6.6	59 - 141	20
m&p-Xylene	ND	1.0	100	111	10.4	102	108	5.7	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	103	97	6.0	106	110	3.7	70 - 130	30
Methylene chloride	ND	1.0	94	93	1.1	96	102	6.1	60 - 140	20
Naphthalene	ND	1.0	114	113	0.9	110	117	6.2	70 - 130	30
o-Xylene	ND	1.0	99	111	11.4	101	109	7.6	70 - 130	30
Tetrachloroethene	ND	1.0	97	103	6.0	104	99	4.9	73 - 127	20
Toluene	ND	1.0	105	109	3.7	108	107	0.9	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	96	96	0.0	95	105	10.0	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	100	103	3.0	100	100	0.0	50 - 150	20
Trichloroethene	ND	1.0	91	103	12.4	94	104	10.1	66 - 134	20
Trichlorofluoromethane	ND	1.0	96	97	1.0	99	104	4.9	48 - 152	20
Vinyl chloride	ND	1.0	106	111	4.6	103	117	12.7	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	99	101	2.0	70 - 130	30
% Bromofluorobenzene	97	%	100	100	0.0	100	99	1.0	70 - 130	30
% Dibromofluoromethane	101	%	100	91	9.4	101	102	1.0	70 - 130	30
% Toluene-d8	106	%	107	100	6.8	108	99	8.7	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

r = This parameter is outside laboratory RPD 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
January 09, 2023

Monday, January 09, 2023

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCN14327 - 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.
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Analysis Comments

January 09, 2023

SDG I.D.: GCN14327

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

January 09, 2023

SDG I.D.: GCN14327

The samples in this delivery group were received at 1.3°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix D
Groundwater Extraction System Water Samples
Laboratory Analytical Results



Wednesday, January 04, 2023

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

Project ID: FROST STREET-OU2
SDG ID: GCN14322
Sample ID#s: CN14322 - CN14326

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

January 04, 2023

SDG I.D.: GCN14322

Project ID: FROST STREET-OU2

Client Id	Lab Id	Matrix
EX-1A	CN14322	GROUND WATER
EX-1B	CN14323	GROUND WATER
EX-1C	CN14324	GROUND WATER
EX-1D	CN14325	GROUND WATER
TRIP BLANK	CN14326	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

January 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

12/29/22
12/29/22

Time

8:30
16:43

Laboratory Data

SDG ID: GCN14322
Phoenix ID: CN14322

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	12/29/22	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/29/22	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
cis-1,2-Dichloroethene	2.3	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/29/22	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/29/22	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/29/22	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	12/29/22	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/29/22	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/29/22	MH	E624.1
Tetrachloroethene	35	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/29/22	MH	E624.1
Trichloroethene	3.3	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	12/29/22	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	12/29/22	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	12/29/22	MH	70 - 130 %
% Toluene-d8	97			%	1	12/29/22	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

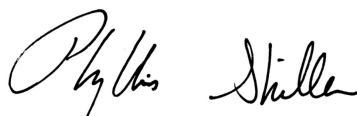
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

January 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

January 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

12/29/22
12/29/22

Time

8:33
16:43

Laboratory Data

SDG ID: GCN14322
Phoenix ID: CN14323

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	12/29/22	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/29/22	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
cis-1,2-Dichloroethene	9.4	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/29/22	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/29/22	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/29/22	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	12/29/22	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/29/22	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/29/22	MH	E624.1
Tetrachloroethene	150	5.0	2.5	ug/L	10	12/30/22	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/29/22	MH	E624.1
Trichloroethene	7.1	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	12/29/22	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	12/29/22	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	12/29/22	MH	70 - 130 %
% Toluene-d8	106			%	1	12/29/22	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	100			%	10	12/30/22	MH	70 - 130 %
% Bromofluorobenzene (10x)	96			%	10	12/30/22	MH	70 - 130 %
% Dibromofluoromethane (10x)	92			%	10	12/30/22	MH	70 - 130 %
% Toluene-d8 (10x)	97			%	10	12/30/22	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

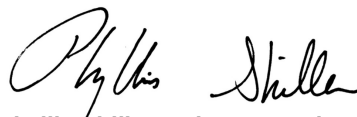
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

January 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

January 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

12/29/22
12/29/22

Time

8:36
16:43

Laboratory Data

SDG ID: GCN14322
Phoenix ID: CN14324

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1-Dichloroethene	0.44	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/30/22	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
cis-1,2-Dichloroethene	0.92	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/22	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/30/22	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/30/22	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	12/30/22	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/30/22	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/30/22	MH	E624.1
Tetrachloroethene	31	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/22	MH	E624.1
Trichloroethene	3.3	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	1	12/30/22	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	12/30/22	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	12/30/22	MH	70 - 130 %
% Toluene-d8	106			%	1	12/30/22	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

January 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

January 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

12/29/22
12/29/22

Time

8:39
16:43

Laboratory Data

SDG ID: GCN14322
Phoenix ID: CN14325

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	0.82	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1-Dichloroethane	0.62	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,1-Dichloroethene	6.8	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/30/22	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Carbon tetrachloride	0.63	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chloroform	1.0	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
cis-1,2-Dichloroethene	4.6	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/22	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/30/22	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/30/22	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	12/30/22	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/30/22	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/30/22	MH	E624.1
Tetrachloroethene	89	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/22	MH	E624.1
Trichloroethene	22	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/30/22	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	12/30/22	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	12/30/22	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	12/30/22	MH	70 - 130 %
% Toluene-d8	105			%	1	12/30/22	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

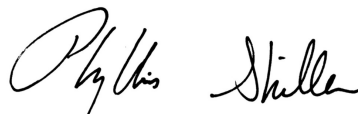
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

January 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

January 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

12/29/22

Time

16:43

Laboratory Data

SDG ID: GCN14322
Phoenix ID: CN14326

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	12/29/22	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/29/22	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/29/22	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/29/22	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/29/22	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	12/29/22	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/29/22	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/29/22	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/29/22	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/29/22	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	12/29/22	MH	70 - 130 %
% Bromofluorobenzene	97			%	1	12/29/22	MH	70 - 130 %
% Dibromofluoromethane	101			%	1	12/29/22	MH	70 - 130 %
% Toluene-d8	106			%	1	12/29/22	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.

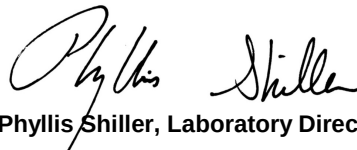
Comments:

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

January 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



QA/QC Report

January 04, 2023

QA/QC Data

SDG I.D.: GCN14322

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 658310 (ug/L), QC Sample No: CN13933 (CN14323 (10X))										
<u>Volatiles - Ground Water</u>										
Tetrachloroethene	ND	1.0	104	107	2.8	100	100	0.0	73 - 127	20
% 1,2-dichlorobenzene-d4	101	%	101	100	1.0	100	100	0.0	70 - 130	30
% Bromofluorobenzene	96	%	100	101	1.0	101	101	0.0	70 - 130	30
% Dibromofluoromethane	99	%	98	99	1.0	98	102	4.0	70 - 130	30
% Toluene-d8	97	%	99	109	9.6	100	97	3.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 658135 (ug/L), QC Sample No: CN14326 (CN14322, CN14323, CN14324, CN14325, CN14326)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	92	94	2.2	96	105	9.0	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	101	104	2.9	105	108	2.8	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	107	104	2.8	112	108	3.6	71 - 129	20
1,1-Dichloroethane	ND	1.0	98	98	0.0	103	112	8.4	72 - 128	20
1,1-Dichloroethene	ND	1.0	95	96	1.0	94	103	9.1	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	96	105	9.0	100	106	5.8	63 - 137	20
1,2-Dichloroethane	ND	1.0	100	111	10.4	107	103	3.8	68 - 132	20
1,2-Dichloropropane	ND	1.0	105	106	0.9	111	108	2.7	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	96	107	10.8	98	106	7.8	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	94	104	10.1	97	105	7.9	63 - 137	20
Benzene	ND	0.70	101	108	6.7	104	103	1.0	64 - 136	20
Bromodichloromethane	ND	0.50	100	104	3.9	106	105	0.9	65 - 135	20
Bromoform	ND	1.0	92	96	4.3	96	99	3.1	71 - 129	20
Bromomethane	ND	1.0	100	98	2.0	82	101	20.8	40 - 160	20
Carbon Disulfide	ND	1.0	90	90	0.0	85	93	9.0	70 - 130	30
Carbon tetrachloride	ND	1.0	84	90	6.9	89	100	11.6	73 - 127	20
Chlorobenzene	ND	1.0	96	107	10.8	101	106	4.8	66 - 134	20
Chloroethane	ND	1.0	109	109	0.0	109	116	6.2	40 - 160	20
Chloroform	ND	1.0	96	97	1.0	100	110	9.5	67 - 133	20
Chloromethane	ND	1.0	103	107	3.8	109	119	8.8	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	97	99	2.0	97	107	9.8	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	102	107	4.8	102	102	0.0	40 - 160	20
Dibromochloromethane	ND	0.50	93	102	9.2	96	105	9.0	67 - 133	20
Ethylbenzene	ND	1.0	99	110	10.5	102	109	6.6	59 - 141	20
m&p-Xylene	ND	1.0	100	111	10.4	102	108	5.7	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	103	97	6.0	106	110	3.7	70 - 130	30
Methylene chloride	ND	1.0	94	93	1.1	96	102	6.1	60 - 140	20
Naphthalene	ND	1.0	114	113	0.9	110	117	6.2	70 - 130	30
o-Xylene	ND	1.0	99	111	11.4	101	109	7.6	70 - 130	30
Tetrachloroethene	ND	1.0	97	103	6.0	104	99	4.9	73 - 127	20
Toluene	ND	1.0	105	109	3.7	108	107	0.9	74 - 126	20

QA/QC Data

SDG I.D.: GCN14322

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,2-Dichloroethene	ND	1.0	96	96	0.0	95	105	10.0	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	100	103	3.0	100	100	0.0	50 - 150	20
Trichloroethene	ND	1.0	91	103	12.4	94	104	10.1	66 - 134	20
Trichlorofluoromethane	ND	1.0	96	97	1.0	99	104	4.9	48 - 152	20
Vinyl chloride	ND	1.0	106	111	4.6	103	117	12.7	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	99	101	2.0	70 - 130	30
% Bromofluorobenzene	97	%	100	100	0.0	100	99	1.0	70 - 130	30
% Dibromofluoromethane	101	%	100	91	9.4	101	102	1.0	70 - 130	30
% Toluene-d8	106	%	107	100	6.8	108	99	8.7	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

r = This parameter is outside laboratory RPD 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

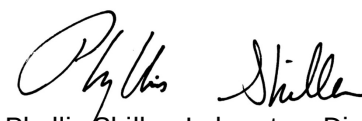
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

January 04, 2023

Wednesday, January 04, 2023

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCN14322 - 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

January 04, 2023

SDG I.D.: GCN14322

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

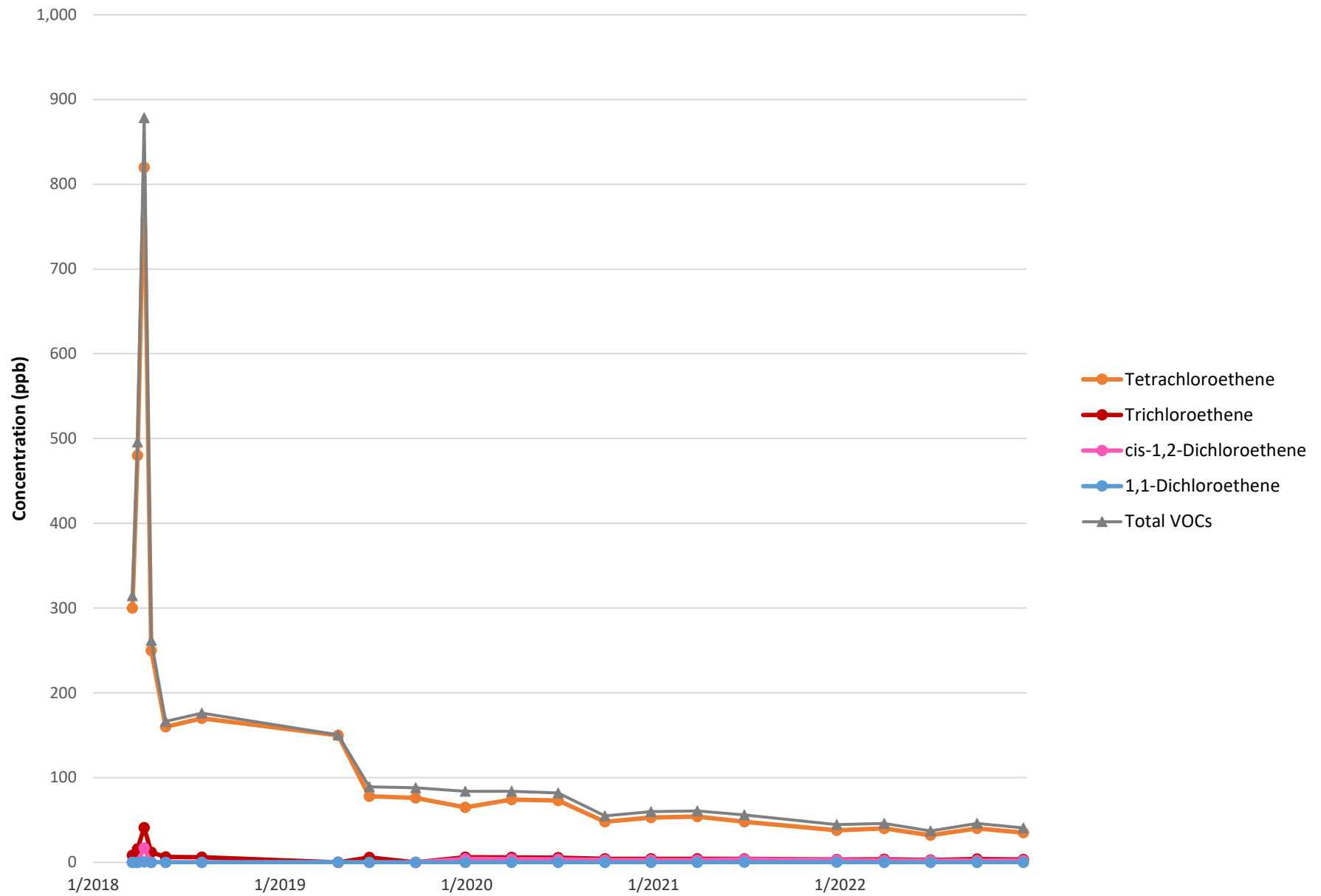
January 04, 2023

SDG I.D.: GCN14322

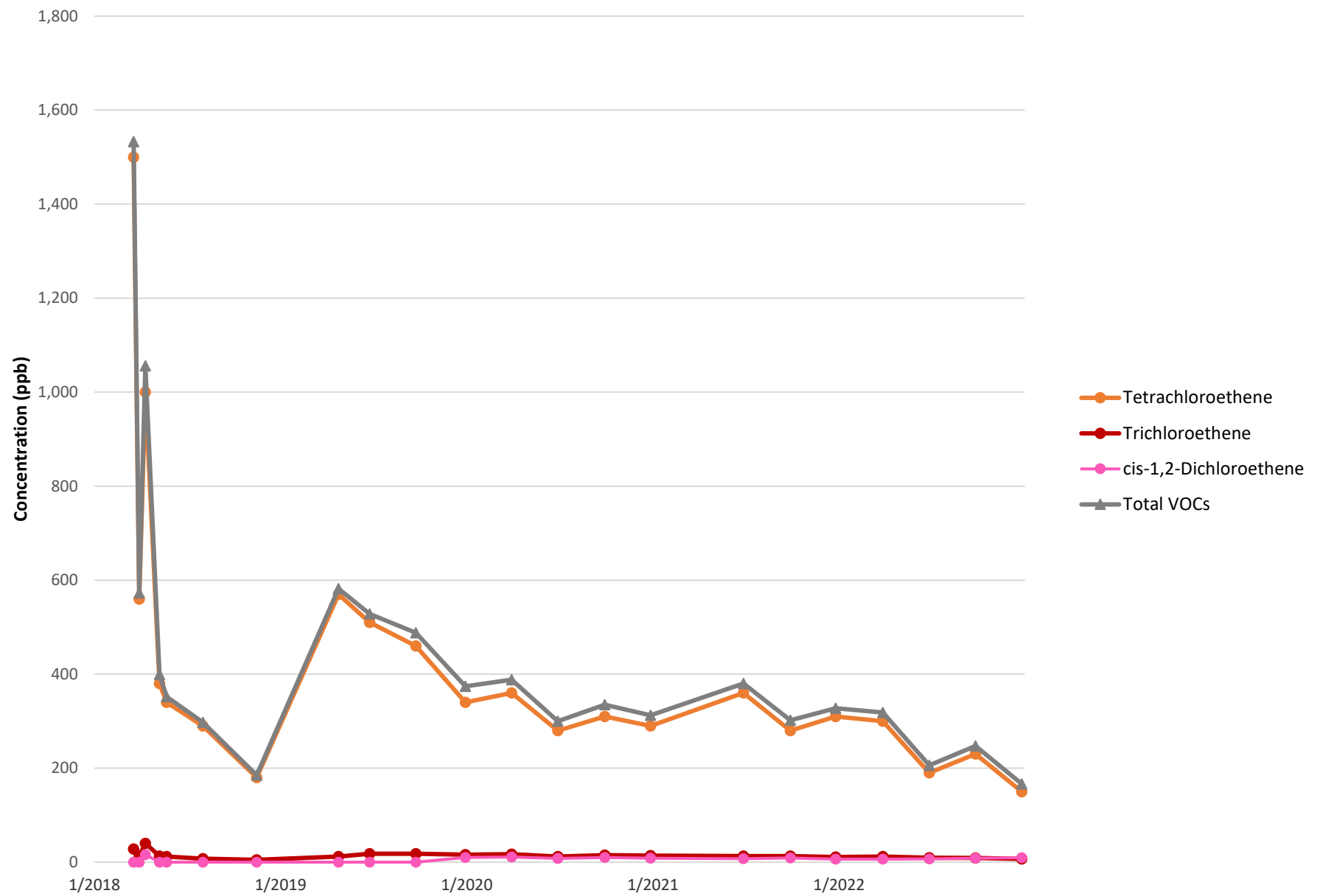
The samples in this delivery group were received at 1.3°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix E
Groundwater Extraction Well Sampling
Historical Results

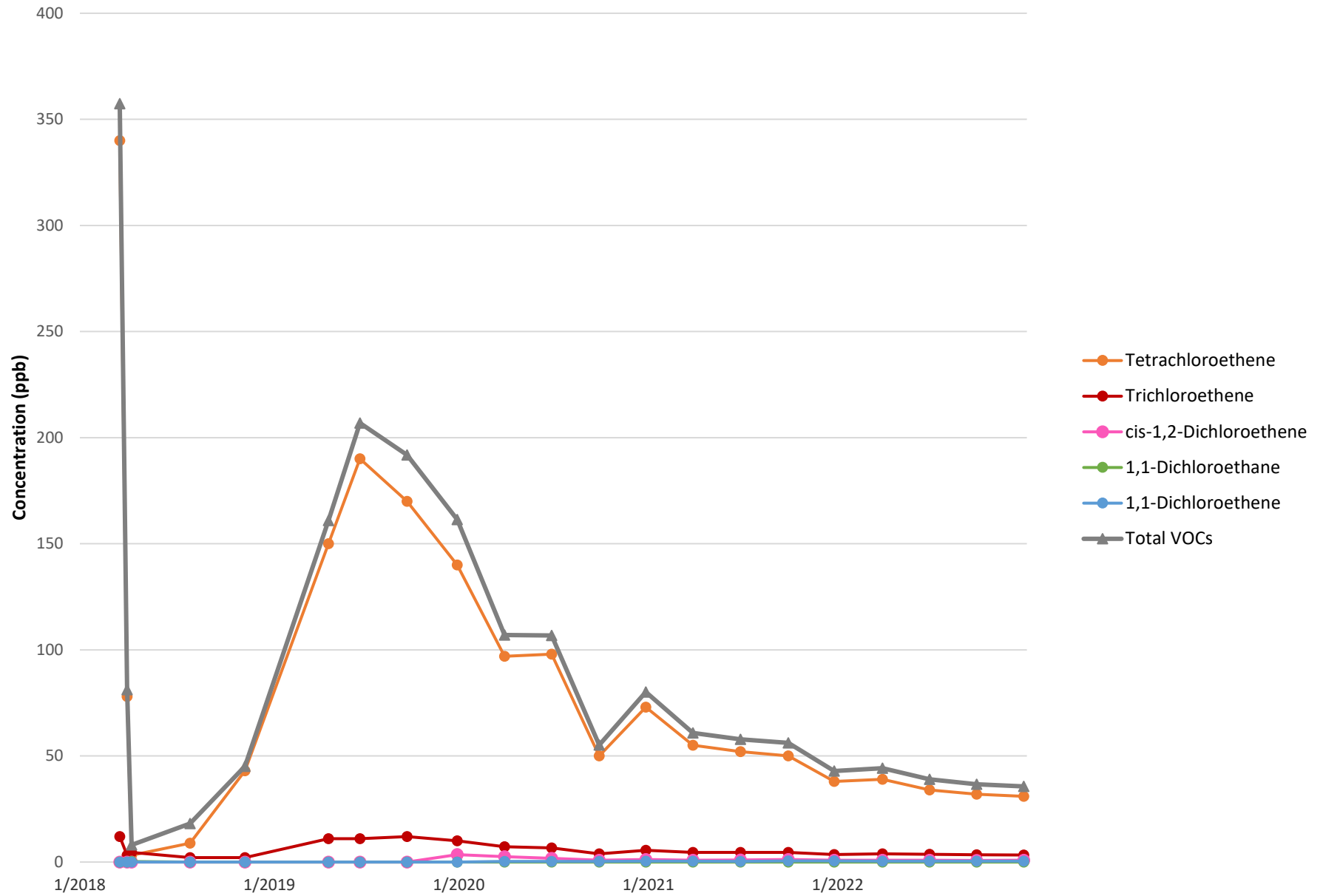
EX-1A



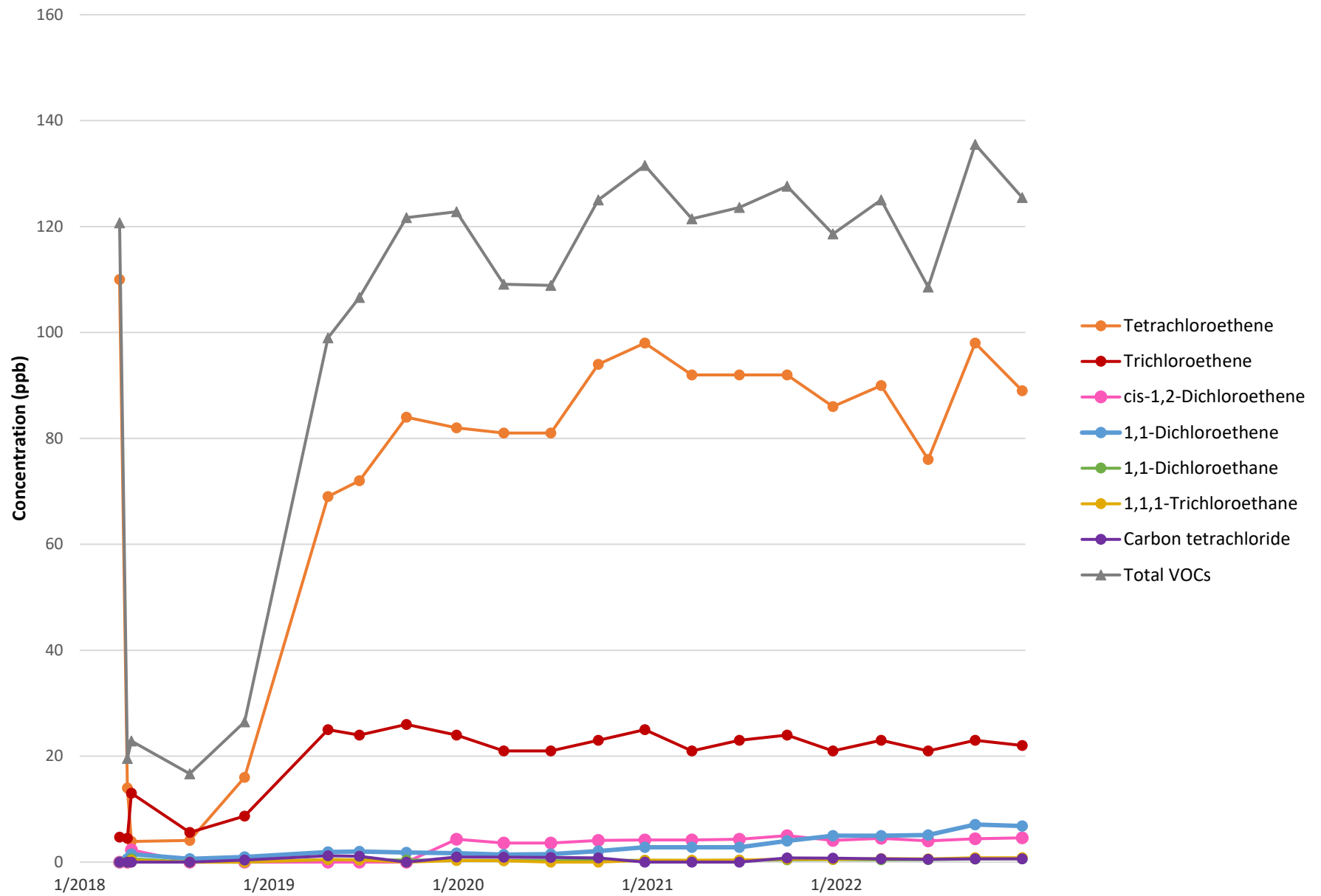
EX-1B



EX-1C



EX-1D



All Wells - Total VOCs

