

January 10, 2024

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: December 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 December 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 December, no alarm calls were received.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on December 22. Samples were obtained by EnviroTrac and results are included in Appendix B. Samples were collected directly into Summa canisters and submitted to Con-Test (Pace Analytical Laboratories) and analyzed by Method TO-15.
 - Photoionization detector (PID) readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [20,710 µg/m³]) continue to indicate significant mass extraction.
 - December effluent concentrations are below carbon exchange indicator concentrations, but November effluent concentrations were above the carbon exchange indicator concentrations and PID readings indicated breakthrough has occurred; a carbon exchange was performed on December 27, 2023.

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 2023 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	170
Tetrachloroethene	1,000	38,000	23
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	350

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 to demonstrate compliance with Part 212 without having to perform compound-specific analyses.

3 Cis-1,2-dichloroethene is not a listed HTAC, so the default is 100 lbs/year.

- System condensate water was discharged from the holding tank to the sewer via the onsite connection (December 22 – 550 gallons and December 27 – 250 gallons). Water is treated via activate carbon adsorption prior to discharge and total volatile organic compound (VOC) concentrations were non-detect and therefore did not exceed applicable limits (1 part per million total VOCs), as shown in Appendix C.

Groundwater Extraction System – Operable Unit 2

The pumps in EX-1A, EX-1B, EX-1C, and EX-1D operated near design flow rates (30, 30, 48, and 48 gallons per minute, respectively) for all of December except for December 15 from 12:20 AM to 1:00 PM due to an emergency stop alarm.

Quarterly samples were collected from each operational extraction well on December 27 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 D; historical data is graphed in Appendix E.

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	1.2
1,1-Dichloroethane	ND	ND	ND	0.92
1,1-Dichloroethene	ND	ND	0.73	12
Carbon Tetrachloride	ND	ND	ND	0.74
Chloroform	ND	ND	ND	1.7
cis-1,2-Dichloroethene	1.4	14	0.76	4.9
Tetrachloroethene	28	100	27	100
Trichloroethene	2.3	6.2	2.8	24
Total VOCs	31.7	120.2	31.29	145.46

Groundwater Sampling

The fourth quarter 2023 groundwater sampling event was performed October 3 through 5, 2023. The electronic data deliverable was uploaded to NYSDEC on November 28, 2023 and the report was submitted on December 21, 2023.

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>
	S. Bogardus, NYSDOH	<i>Via email to sara.bogardus@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>
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	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: 22-Dec
Weather / Temp: Sunny / 37 DEG
Technician / Operator: JW

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

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)	ON	ON				
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	3400	668	Blower 1 Total Runtime (hrs)	72,534.8					
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	72,145.7					
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0					
Blower Inlet Vacuum ("H2O)	46		Blower 2 Air Filter Differential Pressure ("H2O)	0					
Moisture Separator Vacuum ("Hg)	3		VGAC-1 Influent PID (ppm)	3					
VGAC-1 Influent Vacuum ("H2O)	40		VGAC-1 Effluent PID (ppm)	4					
VGAC-1 Effluent Vacuum ("H2O)	42		VGAC-2 Influent PID (ppm)	3					
VGAC-2 Influent Vacuum ("H2O)	38		VGAC-2 Effluent PID (ppm)	4					
VGAC-2 Effluent Vacuum ("H2O)	42		VGAC-3 Influent PID (ppm)	4					
VGAC-3 Influent Pressure ("H2O)	5		VGAC-3 Effluent PID (ppm)	2					
VGAC-3 Effluent Pressure ("H2O)	2		Blower Effluent PID (ppm)	4					
VGAC-3 Influent Temp (DegF)	128		Transfer Pump Total Runtime (hrs)	25,201.1					
Blower Effluent Pressure ("H2O)	15		Condensate Storage Tank Level (gal)	550 → 0					
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	43	6500	142	5	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	34	3600	79	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	3500	76	5	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	46	2500	55	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	35	4500	98	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	41	6000	131	7
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	32	3600	79	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	36	2500	55	0
Air Sparge System									
Compressor 1 Pressure (psi)	17.5			Compressor 2 Pressure (psi)	Off				
Compressor 1 Runtime (hrs)	22,834.0			Compressor 2 Temperature (degF)	Off				
Air Cooler Inlet Temperature (degF)				Compressor 2 Regulator Pressure (psi)	Off				
Air Cooler Outlet Temperature (degF)	50			Compressor 2 Runtime (hrs)	40,734				
Air Cooler Inlet Pressure (psi)	22			AS Manifold Temperature (degF)	53				
Air Cooler Outlet Pressure (psi)	19			AS Manifold Pressure	19				
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate		Pressure	Flow Rate				
AS-1 (psi)/(cfm)	21	10	AS-11 (psi)/(cfm)	17	16				
AS-2 (psi)/(cfm)	18	14	AS-12B (psi)/(cfm)	19	5				
AS-3 (psi)/(cfm)	14	10	AS-13B (psi)/(cfm)	17	7				
AS-4 (psi)/(cfm)	18	10	AS-14 (psi)/(cfm)	18	8				
AS-5 (psi)/(cfm)	16	10	AS-15 (psi)/(cfm)	16	12				
AS-6 (psi)/(cfm)	20	10	AS-16B (psi)/(cfm)	17	7				
AS-7 (psi)/(cfm)	17	5	AS-17 (psi)/(cfm)	17	9				
AS-8 (psi)/(cfm)	18	11	AS-18 (psi)/(cfm)	16	10				
AS-9 (psi)/(cfm)	17	10	AS-19 (psi)/(cfm)	18	12				
AS-10B (psi)/(cfm)	17	10							

Notes, Comments & Observations:

System off upon arrival due to high level storage tank.

Collected monthly sample.

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: 22-Dec
Weather / Temp: Sunny / 37 DEG
Technician / Operator: JW

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

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 10/27/23
-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 10/27/23
-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 7/31/23
-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: 27-Dec
Weather / Temp: Cloudy / 45 DEG
Technician / Operator: JW

Arrival Time: 8:00
Departure Time: 15:00

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	ON		ON		AS Compressor 1 (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	OFF		OFF		AS Compressor 2 (ON/OFF)	OFF		OFF	
					Air Cooler (ON/OFF)	ON		ON	
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	3400		668		Blower 1 Total Runtime (hrs)	72,592.5			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	72,201.7			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	48				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3				VGAC-1 Influent PID (ppm)	2			
VGAC-1 Influent Vacuum ("H2O)	41				VGAC-1 Effluent PID (ppm)	0			
VGAC-1 Effluent Vacuum ("H2O)	43				VGAC-2 Influent PID (ppm)	2			
VGAC-2 Influent Vacuum ("H2O)	40				VGAC-2 Effluent PID (ppm)	0			
VGAC-2 Effluent Vacuum ("H2O)	43				VGAC-3 Influent PID (ppm)	0			
VGAC-3 Influent Pressure ("H2O)	5				VGAC-3 Effluent PID (ppm)	0			
VGAC-3 Effluent Pressure ("H2O)	2				Blower Effluent PID (ppm)	0			
VGAC-3 Influent Temp (DegF)	125				Transfer Pump Total Runtime (hrs)	25,208.6			
Blower Effluent Pressure ("H2O)	15				Condensate Storage Tank Level (gal)	250 → 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)/(ppm)	42	6500	142		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	35	3600	79	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	3800	83		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	45	2500	55	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	36	4500	98		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	5500	120	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	32	3600	79		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	36	2500	55	
Air Sparge System									
Compressor 1 Pressure (psi)	17				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	22,941.7				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)					Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	50				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	21				AS Manifold Temperature (degF)	58			
Air Cooler Outlet Pressure (psi)	18				AS Manifold Pressure	19			
AS Manifold Legs - Pressure/Flow Rate									
	<u>Pressure</u>		<u>Flow Rate</u>			<u>Pressure</u>		<u>Flow Rate</u>	
AS-1 (psi)/(cfm)	20		12		AS-11 (psi)/(cfm)	17		16	
AS-2 (psi)/(cfm)	18		10		AS-12B (psi)/(cfm)	18		4	
AS-3 (psi)/(cfm)	18		10		AS-13B (psi)/(cfm)	17		7	
AS-4 (psi)/(cfm)	18		10		AS-14 (psi)/(cfm)	17		8	
AS-5 (psi)/(cfm)	19		12		AS-15 (psi)/(cfm)	17		12	
AS-6 (psi)/(cfm)	19		10		AS-16B (psi)/(cfm)	17		8	
AS-7 (psi)/(cfm)	19		10		AS-17 (psi)/(cfm)	19		10	
AS-8 (psi)/(cfm)	18		12		AS-18 (psi)/(cfm)	16		12	
AS-9 (psi)/(cfm)	19		12		AS-19 (psi)/(cfm)	17		10	
AS-10B (psi)/(cfm)	17		10						

Notes, Comments & Observations:

Evoqua changed carbon in all 3 VGAC vessels and delivered new LGAC drum.

Sampled water and drained storage tank.

Replaced LGAC drum and transfer pump.

Reset PLC and modem.

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: 27-Dec
Weather / Temp: Cloudy / 45 DEG
Technician / Operator: JW

Arrival Time: 8:00
Departure Time: 15:00

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 10/27/23
-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 10/27/23
-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 7/31/23
-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

January 2, 2024

James Wilkinson
EnviroTrac Ltd - Yaphank, NY
5 Old Dock Road
Yaphank, NY 11980

Project Location: Westbury, NY
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 23L3443

Enclosed are results of analyses for samples as received by the laboratory on December 23, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano
Project Manager

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

EnviroTrac Ltd - Yaphank, NY
5 Old Dock Road
Yaphank, NY 11980
ATTN: James Wilkinson

REPORT DATE: 1/2/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23L3443

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

PROJECT LOCATION: Westbury, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE Influent	23L3443-01	Soil Gas		- EPA TO-15	
SVE Effluent	23L3443-02	Soil Gas		- EPA TO-15	

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

CASE NARRATIVE SUMMARY

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

EPA TO-15

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene

B362009-BS1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Naphthalene

B362009-BS1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23L3443-01[SVE Influent]

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Carbon Tetrachloride

23L3443-01[SVE Influent], 23L3443-02[SVE Effluent], B362009-BLK1, B362009-BS1, B362009-DUP1, S098479-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 12/23/2023
Field Sample #: SVE Influent
Sample ID: 23L3443-01
Sample Matrix: Soil Gas
Sampled: 12/22/2023 02:50

Sample Description/Location:
Sub Description/Location:
Canister ID: 2417
Canister Size: 3 liter
Flow Controller ID: 4573
Sample Type: 15 min

Work Order: 23L3443
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -7.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-11

Sample Flags: RL-11

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	ND	120	V-34	ND	290	60	12/28/23	3:28	CMR
Benzene	ND	3.0		ND	9.6	60	12/28/23	3:28	CMR
Benzyl chloride	ND	3.0		ND	16	60	12/28/23	3:28	CMR
Bromodichloromethane	ND	3.0		ND	20	60	12/28/23	3:28	CMR
Bromoform	ND	3.0		ND	31	60	12/28/23	3:28	CMR
Bromomethane	ND	3.0		ND	12	60	12/28/23	3:28	CMR
1,3-Butadiene	ND	3.0		ND	6.6	60	12/28/23	3:28	CMR
2-Butanone (MEK)	ND	120		ND	350	60	12/28/23	3:28	CMR
Carbon Disulfide	ND	30		ND	93	60	12/28/23	3:28	CMR
Carbon Tetrachloride	ND	3.0		ND	19	60	12/28/23	3:28	CMR
Chlorobenzene	ND	3.0		ND	14	60	12/28/23	3:28	CMR
Chloroethane	ND	3.0		ND	7.9	60	12/28/23	3:28	CMR
Chloroform	ND	3.0		ND	15	60	12/28/23	3:28	CMR
Chloromethane	ND	6.0		ND	12	60	12/28/23	3:28	CMR
Cyclohexane	ND	3.0		ND	10	60	12/28/23	3:28	CMR
Dibromochloromethane	ND	3.0		ND	26	60	12/28/23	3:28	CMR
1,2-Dibromoethane (EDB)	ND	3.0		ND	23	60	12/28/23	3:28	CMR
1,2-Dichlorobenzene	ND	3.0		ND	18	60	12/28/23	3:28	CMR
1,3-Dichlorobenzene	ND	3.0		ND	18	60	12/28/23	3:28	CMR
1,4-Dichlorobenzene	ND	3.0		ND	18	60	12/28/23	3:28	CMR
Dichlorodifluoromethane (Freon 12)	ND	3.0	ND	15	60	12/28/23	3:28	CMR	
1,1-Dichloroethane	ND	3.0	ND	12	60	12/28/23	3:28	CMR	
1,2-Dichloroethane	ND	3.0	ND	12	60	12/28/23	3:28	CMR	
1,1-Dichloroethylene	ND	3.0	ND	12	60	12/28/23	3:28	CMR	
cis-1,2-Dichloroethylene	36	3.0	140	12	60	12/28/23	3:28	CMR	
trans-1,2-Dichloroethylene	ND	3.0	ND	12	60	12/28/23	3:28	CMR	
1,2-Dichloropropane	ND	3.0	ND	14	60	12/28/23	3:28	CMR	
cis-1,3-Dichloropropene	ND	3.0	ND	14	60	12/28/23	3:28	CMR	
trans-1,3-Dichloropropene	ND	3.0	ND	14	60	12/28/23	3:28	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	3.0	ND	21	60	12/28/23	3:28	CMR	
1,4-Dioxane	ND	30	ND	110	60	12/28/23	3:28	CMR	
Ethanol	ND	120	ND	230	60	12/28/23	3:28	CMR	
Ethyl Acetate	ND	30	ND	110	60	12/28/23	3:28	CMR	
Ethylbenzene	ND	3.0	ND	13	60	12/28/23	3:28	CMR	
4-Ethyltoluene	ND	3.0	ND	15	60	12/28/23	3:28	CMR	
Heptane	ND	3.0	ND	12	60	12/28/23	3:28	CMR	
Hexachlorobutadiene	ND	3.0	ND	32	60	12/28/23	3:28	CMR	

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ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 12/23/2023
Field Sample #: SVE Influent
Sample ID: 23L3443-01
Sample Matrix: Soil Gas
Sampled: 12/22/2023 02:50

Sample Description/Location:
Sub Description/Location:
Canister ID: 2417
Canister Size: 3 liter
Flow Controller ID: 4573
Sample Type: 15 min

Work Order: 23L3443
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -7.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15									
Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Hexane	ND	120		ND	420	60	12/28/23 3:28		CMR
2-Hexanone (MBK)	ND	3.0		ND	12	60	12/28/23 3:28		CMR
Isopropanol	ND	120		ND	290	60	12/28/23 3:28		CMR
Methyl tert-Butyl Ether (MTBE)	ND	3.0		ND	11	60	12/28/23 3:28		CMR
Methylene Chloride	ND	30		ND	100	60	12/28/23 3:28		CMR
4-Methyl-2-pentanone (MIBK)	ND	3.0		ND	12	60	12/28/23 3:28		CMR
Naphthalene	ND	3.0		ND	16	60	12/28/23 3:28		CMR
Propene	ND	120		ND	210	60	12/28/23 3:28		CMR
Styrene	ND	3.0		ND	13	60	12/28/23 3:28		CMR
1,1,2,2-Tetrachloroethane	ND	3.0		ND	21	60	12/28/23 3:28		CMR
Tetrachloroethylene	2900	3.0		20000	20	60	12/28/23 3:28		CMR
Tetrahydrofuran	ND	30		ND	88	60	12/28/23 3:28		CMR
Toluene	ND	3.0		ND	11	60	12/28/23 3:28		CMR
1,2,4-Trichlorobenzene	ND	3.0		ND	22	60	12/28/23 3:28		CMR
1,1,1-Trichloroethane	ND	3.0		ND	16	60	12/28/23 3:28		CMR
1,1,2-Trichloroethane	ND	3.0		ND	16	60	12/28/23 3:28		CMR
Trichloroethylene	110	3.0		570	16	60	12/28/23 3:28		CMR
Trichlorofluoromethane (Freon 11)	ND	12		ND	67	60	12/28/23 3:28		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	12		ND	92	60	12/28/23 3:28		CMR
1,2,4-Trimethylbenzene	ND	3.0		ND	15	60	12/28/23 3:28		CMR
1,3,5-Trimethylbenzene	ND	3.0		ND	15	60	12/28/23 3:28		CMR
Vinyl Acetate	ND	60		ND	210	60	12/28/23 3:28		CMR
Vinyl Chloride	ND	3.0		ND	7.7	60	12/28/23 3:28		CMR
m&p-Xylene	ND	6.0		ND	26	60	12/28/23 3:28		CMR
o-Xylene	ND	3.0		ND	13	60	12/28/23 3:28		CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	98.3	70-130	12/28/23	3:28

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ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 12/23/2023
Field Sample #: SVE Effluent
Sample ID: 23L3443-02
Sample Matrix: Soil Gas
Sampled: 12/22/2023 03:05

Sample Description/Location:
Sub Description/Location:
Canister ID: 2381
Canister Size: 3 liter
Flow Controller ID: 4574
Sample Type: 15 min

Work Order: 23L3443
Initial Vacuum(in Hg): -31
Final Vacuum(in Hg): -10.5
Receipt Vacuum(in Hg): -7.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15									
Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	ND	4.0	V-34	ND	9.5	2	12/28/23	2:06	CMR
Benzene	0.16	0.10		0.52	0.32	2	12/28/23	2:06	CMR
Benzyl chloride	ND	0.10		ND	0.52	2	12/28/23	2:06	CMR
Bromodichloromethane	ND	0.10		ND	0.67	2	12/28/23	2:06	CMR
Bromoform	ND	0.10		ND	1.0	2	12/28/23	2:06	CMR
Bromomethane	ND	0.10		ND	0.39	2	12/28/23	2:06	CMR
1,3-Butadiene	ND	0.10		ND	0.22	2	12/28/23	2:06	CMR
2-Butanone (MEK)	ND	4.0		ND	12	2	12/28/23	2:06	CMR
Carbon Disulfide	ND	1.0		ND	3.1	2	12/28/23	2:06	CMR
Carbon Tetrachloride	ND	0.10		ND	0.63	2	12/28/23	2:06	CMR
Chlorobenzene	ND	0.10		ND	0.46	2	12/28/23	2:06	CMR
Chloroethane	ND	0.10		ND	0.26	2	12/28/23	2:06	CMR
Chloroform	0.15	0.10		0.71	0.49	2	12/28/23	2:06	CMR
Chloromethane	ND	0.20		ND	0.41	2	12/28/23	2:06	CMR
Cyclohexane	ND	0.10		ND	0.34	2	12/28/23	2:06	CMR
Dibromochloromethane	ND	0.10		ND	0.85	2	12/28/23	2:06	CMR
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	12/28/23	2:06	CMR
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	12/28/23	2:06	CMR
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	12/28/23	2:06	CMR
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	12/28/23	2:06	CMR
Dichlorodifluoromethane (Freon 12)	0.18	0.10		0.90	0.49	2	12/28/23	2:06	CMR
1,1-Dichloroethane	ND	0.10		ND	0.40	2	12/28/23	2:06	CMR
1,2-Dichloroethane	ND	0.10		ND	0.40	2	12/28/23	2:06	CMR
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	12/28/23	2:06	CMR
cis-1,2-Dichloroethylene	89	0.10		350	0.40	2	12/28/23	2:06	CMR
trans-1,2-Dichloroethylene	0.60	0.10		2.4	0.40	2	12/28/23	2:06	CMR
1,2-Dichloropropane	ND	0.10		ND	0.46	2	12/28/23	2:06	CMR
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	12/28/23	2:06	CMR
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	12/28/23	2:06	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	12/28/23	2:06	CMR
1,4-Dioxane	ND	1.0	ND	3.6	2	12/28/23	2:06	CMR	
Ethanol	13	4.0	24	7.5	2	12/28/23	2:06	CMR	
Ethyl Acetate	ND	1.0	ND	3.6	2	12/28/23	2:06	CMR	
Ethylbenzene	ND	0.10	ND	0.43	2	12/28/23	2:06	CMR	
4-Ethyltoluene	ND	0.10	ND	0.49	2	12/28/23	2:06	CMR	
Heptane	ND	0.10	ND	0.41	2	12/28/23	2:06	CMR	
Hexachlorobutadiene	ND	0.10	ND	1.1	2	12/28/23	2:06	CMR	

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ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 12/23/2023
Field Sample #: SVE Effluent
Sample ID: 23L3443-02
Sample Matrix: Soil Gas
Sampled: 12/22/2023 03:05

Sample Description/Location:
Sub Description/Location:
Canister ID: 2381
Canister Size: 3 liter
Flow Controller ID: 4574
Sample Type: 15 min

Work Order: 23L3443
Initial Vacuum(in Hg): -31
Final Vacuum(in Hg): -10.5
Receipt Vacuum(in Hg): -7.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15									
Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Hexane	ND	4.0		ND	14	2	12/28/23 2:06		CMR
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	12/28/23 2:06		CMR
Isopropanol	ND	4.0		ND	9.8	2	12/28/23 2:06		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	12/28/23 2:06		CMR
Methylene Chloride	ND	1.0		ND	3.5	2	12/28/23 2:06		CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	12/28/23 2:06		CMR
Naphthalene	ND	0.10		ND	0.52	2	12/28/23 2:06		CMR
Propene	ND	4.0		ND	6.9	2	12/28/23 2:06		CMR
Styrene	ND	0.10		ND	0.43	2	12/28/23 2:06		CMR
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	12/28/23 2:06		CMR
Tetrachloroethylene	3.4	0.10		23	0.68	2	12/28/23 2:06		CMR
Tetrahydrofuran	ND	1.0		ND	2.9	2	12/28/23 2:06		CMR
Toluene	ND	0.10		ND	0.38	2	12/28/23 2:06		CMR
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	12/28/23 2:06		CMR
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	12/28/23 2:06		CMR
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	12/28/23 2:06		CMR
Trichloroethylene	31	0.10		170	0.54	2	12/28/23 2:06		CMR
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	12/28/23 2:06		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	12/28/23 2:06		CMR
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	12/28/23 2:06		CMR
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	12/28/23 2:06		CMR
Vinyl Acetate	ND	2.0		ND	7.0	2	12/28/23 2:06		CMR
Vinyl Chloride	ND	0.10		ND	0.26	2	12/28/23 2:06		CMR
m&p-Xylene	ND	0.20		ND	0.87	2	12/28/23 2:06		CMR
o-Xylene	ND	0.10		ND	0.43	2	12/28/23 2:06		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.9	70-130	12/28/23 2:06

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Sample Extraction Data**Prep Method:TO-15 Prep****Analytical Method:EPA TO-15**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23L3443-01 [SVE Influent]	B362009	1.5	1	N/A	1000	400	10	12/27/23
23L3443-02 [SVE Effluent]	B362009	1.5	1	N/A	1000	400	300	12/27/23

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QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	Limit	

Batch B362009 - TO-15 Prep

Blank (B362009-BLK1)	Prepared & Analyzed: 12/27/23
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Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									V-34
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.35									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit	

Batch B362009 - TO-15 Prep
Blank (B362009-BLK1)

Prepared & Analyzed: 12/27/23

1,1,2,2-Tetrachloroethane	ND	0.035
Tetrachloroethylene	ND	0.035
Tetrahydrofuran	ND	0.35
Toluene	ND	0.035
1,2,4-Trichlorobenzene	ND	0.035
1,1,1-Trichloroethane	ND	0.035
1,1,2-Trichloroethane	ND	0.035
Trichloroethylene	ND	0.035
Trichlorofluoromethane (Freon 11)	ND	0.14
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14
1,2,4-Trimethylbenzene	ND	0.035
1,3,5-Trimethylbenzene	ND	0.035
Vinyl Acetate	ND	0.70
Vinyl Chloride	ND	0.035
m&p-Xylene	ND	0.070
o-Xylene	ND	0.035

Surrogate: 4-Bromofluorobenzene (1) 7.92 8.00 99.0 70-130

LCS (B362009-BS1)

Prepared & Analyzed: 12/27/23

Acetone	5.89	5.00	118	70-130
Benzene	4.79	5.00	95.9	70-130
Benzyl chloride	6.40	5.00	128	70-130
Bromodichloromethane	4.69	5.00	93.8	70-130
Bromoform	5.62	5.00	112	70-130
Bromomethane	5.76	5.00	115	70-130
1,3-Butadiene	5.36	5.00	107	70-130
2-Butanone (MEK)	5.12	5.00	102	70-130
Carbon Disulfide	4.52	5.00	90.3	70-130
Carbon Tetrachloride	4.46	5.00	89.2	70-130
Chlorobenzene	4.81	5.00	96.2	70-130
Chloroethane	5.56	5.00	111	70-130
Chloroform	4.33	5.00	86.7	70-130
Chloromethane	4.79	5.00	95.8	70-130
Cyclohexane	5.03	5.00	101	70-130
Dibromochloromethane	5.35	5.00	107	70-130
1,2-Dibromoethane (EDB)	4.91	5.00	98.1	70-130
1,2-Dichlorobenzene	5.68	5.00	114	70-130
1,3-Dichlorobenzene	5.84	5.00	117	70-130
1,4-Dichlorobenzene	5.77	5.00	115	70-130
Dichlorodifluoromethane (Freon 12)	3.94	5.00	78.8	70-130
1,1-Dichloroethane	4.22	5.00	84.4	70-130
1,2-Dichloroethane	4.46	5.00	89.3	70-130
1,1-Dichloroethylene	4.39	5.00	87.7	70-130
cis-1,2-Dichloroethylene	4.31	5.00	86.2	70-130
trans-1,2-Dichloroethylene	4.32	5.00	86.4	70-130
1,2-Dichloropropane	4.58	5.00	91.5	70-130

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QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	Limit	
Batch B362009 - TO-15 Prep											
LCS (B362009-BS1)					Prepared & Analyzed: 12/27/23						
cis-1,3-Dichloropropene	4.77				5.00		95.5	70-130			
trans-1,3-Dichloropropene	5.11				5.00		102	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.27				5.00		105	70-130			
1,4-Dioxane	5.68				5.00		114	70-130			
Ethanol	6.04				5.00		121	70-130			
Ethyl Acetate	4.02				5.00		80.5	70-130			
Ethylbenzene	5.09				5.00		102	70-130			
4-Ethyltoluene	5.78				5.00		116	70-130			
Heptane	5.33				5.00		107	70-130			
Hexachlorobutadiene	5.09				4.25		120	70-130			
Hexane	5.27				5.00		105	70-130			
2-Hexanone (MBK)	5.98				5.00		120	70-130			
Isopropanol	5.49				5.00		110	70-130			
Methyl tert-Butyl Ether (MTBE)	4.30				5.00		85.9	70-130			
Methylene Chloride	4.34				5.00		86.8	70-130			
4-Methyl-2-pentanone (MIBK)	6.00				5.00		120	70-130			
Naphthalene	6.43				3.68		175 *	70-130			L-05
Propene	3.64				5.00		72.7	70-130			
Styrene	5.28				5.00		106	70-130			
1,1,2,2-Tetrachloroethane	5.12				5.00		102	70-130			
Tetrachloroethylene	4.80				5.00		95.9	70-130			
Tetrahydrofuran	4.67				5.00		93.4	70-130			
Toluene	5.12				5.00		102	70-130			
1,2,4-Trichlorobenzene	5.52				3.90		142 *	70-130			L-01
1,1,1-Trichloroethane	4.57				5.00		91.4	70-130			
1,1,2-Trichloroethane	4.88				5.00		97.6	70-130			
Trichloroethylene	4.76				5.00		95.2	70-130			
Trichlorofluoromethane (Freon 11)	5.77				5.00		115	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.22				5.00		84.4	70-130			
1,2,4-Trimethylbenzene	5.62				5.00		112	70-130			
1,3,5-Trimethylbenzene	5.51				5.00		110	70-130			
Vinyl Acetate	5.87				5.00		117	70-130			
Vinyl Chloride	5.11				5.00		102	70-130			
m&p-Xylene	10.6				10.0		106	70-130			
o-Xylene	5.40				5.00		108	70-130			
Surrogate: 4-Bromofluorobenzene (1)	8.67				8.00		108	70-130			

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QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result		Limits	RPD	Limit	
Batch B362009 - TO-15 Prep											
Duplicate (B362009-DUP1)		Source: 23L3443-02				Prepared: 12/27/23 Analyzed: 12/28/23					
Acetone	2.3	4.0	5.4	9.5		2.2			5.05	25	
Benzene	0.16	0.10	0.52	0.32		0.16			0.00	25	
Benzyl chloride	ND	0.10	ND	0.52		ND				25	
Bromodichloromethane	ND	0.10	ND	0.67		ND				25	
Bromoform	ND	0.10	ND	1.0		ND				25	
Bromomethane	ND	0.10	ND	0.39		ND				25	
1,3-Butadiene	ND	0.10	ND	0.22		ND				25	
2-Butanone (MEK)	ND	4.0	ND	12		ND				25	
Carbon Disulfide	ND	1.0	ND	3.1		ND				25	
Carbon Tetrachloride	ND	0.10	ND	0.63		ND				25	V-3
Chlorobenzene	ND	0.10	ND	0.46		ND				25	
Chloroethane	ND	0.10	ND	0.26		ND				25	
Chloroform	0.15	0.10	0.72	0.49		0.15			1.36	25	
Chloromethane	0.088	0.20	0.18	0.41		0.088			0.00	25	
Cyclohexane	ND	0.10	ND	0.34		ND				25	
Dibromochloromethane	ND	0.10	ND	0.85		ND				25	
1,2-Dibromoethane (EDB)	ND	0.10	ND	0.77		ND				25	
1,2-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,3-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,4-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
Dichlorodifluoromethane (Freon 12)	0.16	0.10	0.80	0.49		0.18			11.6	25	
1,1-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,2-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,1-Dichloroethylene	0.056	0.10	0.22	0.40		0.052			7.41	25	
cis-1,2-Dichloroethylene	89	0.10	350	0.40		89			0.199	25	
trans-1,2-Dichloroethylene	0.57	0.10	2.2	0.40		0.60			6.16	25	
1,2-Dichloropropane	ND	0.10	ND	0.46		ND				25	
cis-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
trans-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	ND	0.70		ND				25	
1,4-Dioxane	ND	1.0	ND	3.6		ND				25	
Ethanol	13	4.0	24	7.5		13			0.764	25	
Ethyl Acetate	ND	1.0	ND	3.6		ND				25	
Ethylbenzene	ND	0.10	ND	0.43		ND				25	
4-Ethyltoluene	ND	0.10	ND	0.49		ND				25	
Heptane	0.074	0.10	0.30	0.41		0.068			8.45	25	
Hexachlorobutadiene	ND	0.10	ND	1.1		ND				25	
Hexane	ND	4.0	ND	14		ND				25	
2-Hexanone (MBK)	ND	0.10	ND	0.41		0.060				25	
Isopropanol	ND	4.0	ND	9.8		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.10	ND	0.36		ND				25	
Methylene Chloride	ND	1.0	ND	3.5		ND				25	
4-Methyl-2-pentanone (MIBK)	ND	0.10	ND	0.41		ND				25	
Naphthalene	ND	0.10	ND	0.52		ND				25	
Propene	ND	4.0	ND	6.9		ND				25	
Styrene	ND	0.10	ND	0.43		ND				25	

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

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
	Results	RL	Results	RL							
Batch B362009 - TO-15 Prep											
Duplicate (B362009-DUP1)	Source: 23L3443-02				Prepared: 12/27/23 Analyzed: 12/28/23						
1,1,2,2-Tetrachloroethane	ND	0.10	ND	0.69		ND				25	
Tetrachloroethylene	3.5	0.10	24	0.68		3.4			1.45	25	
Tetrahydrofuran	0.55	1.0	1.6	2.9		0.58			3.89	25	
Toluene	0.070	0.10	0.26	0.38		0.068			2.90	25	
1,2,4-Trichlorobenzene	ND	0.10	ND	0.74		ND				25	
1,1,1-Trichloroethane	0.078	0.10	0.43	0.55		0.070			10.8	25	
1,1,2-Trichloroethane	ND	0.10	ND	0.55		ND				25	
Trichloroethylene	32	0.10	170	0.54		31			2.79	25	
Trichlorofluoromethane (Freon 11)	0.15	0.40	0.83	2.2		0.15			0.00	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	ND	3.1		ND				25	
1,2,4-Trimethylbenzene	ND	0.10	ND	0.49		ND				25	
1,3,5-Trimethylbenzene	ND	0.10	ND	0.49		ND				25	
Vinyl Acetate	ND	2.0	ND	7.0		ND				25	
Vinyl Chloride	ND	0.10	ND	0.26		ND				25	
m&p-Xylene	ND	0.20	ND	0.87		ND				25	
o-Xylene	ND	0.10	ND	0.43		ND				25	
Surrogate: 4-Bromofluorobenzene (1)	7.87				8.00		98.4	70-130			

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

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S095502-ICV1)			Lab File ID: G23A292017.D			Analyzed: 10/20/23 16:14			
Bromochloromethane (1)	1107131	8.036	1080445	8.03	102	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2388965	9.804	2308848	9.804	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2148001	14.157	2077591	14.157	103	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S098479-CCV1)			Lab File ID: G23A354003.D			Analyzed: 12/27/23 09:40			
Bromochloromethane (1)	953879	8.03				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	2019571	9.798				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	1845799	14.157				60 - 140		+/-0.50	
LCS (B362009-BS1)			Lab File ID: G23A354004.D			Analyzed: 12/27/23 10:20			
Bromochloromethane (1)	768046	8.03	953879	8.03	81	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1523541	9.798	2019571	9.798	75	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1393190	14.157	1845799	14.157	75	60 - 140	0.0000	+/-0.50	
Blank (B362009-BLK1)			Lab File ID: G23A354009.D			Analyzed: 12/27/23 13:47			
Bromochloromethane (1)	702878	8.036	953879	8.03	74	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1369432	9.804	2019571	9.798	68	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1253272	14.157	1845799	14.157	68	60 - 140	0.0000	+/-0.50	
SVE Effluent (23L3443-02)			Lab File ID: G23A354025.D			Analyzed: 12/28/23 02:06			
Bromochloromethane (1)	942000	8.03	953879	8.03	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2050288	9.798	2019571	9.798	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1845146	14.157	1845799	14.157	100	60 - 140	0.0000	+/-0.50	
Duplicate (B362009-DUP1)			Lab File ID: G23A354026.D			Analyzed: 12/28/23 02:49			
Bromochloromethane (1)	919997	8.03	953879	8.03	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1961049	9.804	2019571	9.798	97	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1762194	14.157	1845799	14.157	95	60 - 140	0.0000	+/-0.50	
SVE Influent (23L3443-01)			Lab File ID: G23A354027.D			Analyzed: 12/28/23 03:28			
Bromochloromethane (1)	883051	8.036	953879	8.03	93	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1914062	9.804	2019571	9.798	95	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1720850	14.157	1845799	14.157	93	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S098479-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.98	1.253837	0.9973659		-20.5	30
Benzene	A	5.00	4.83	0.8684626	0.8389077		-3.4	30
Benzyl chloride	A	5.00	6.29	0.8291125	1.04287		25.8	30
Bromodichloromethane	A	5.00	4.84	0.6466079	0.6254881		-3.3	30
Bromoform	A	5.00	5.89	0.49181	0.5796688		17.9	30
Bromomethane	A	5.00	4.71	0.6520647	0.6138875		-5.9	30
1,3-Butadiene	A	5.00	4.32	0.6183458	0.5349173		-13.5	30
2-Butanone (MEK)	A	5.00	4.86	1.368491	1.329002		-2.9	30
Carbon Disulfide	A	5.00	4.57	1.860708	1.701972		-8.5	30
Carbon Tetrachloride	A	5.00	4.96	0.5028663	0.4984647		-0.9	30
Chlorobenzene	A	5.00	5.02	0.7938095	0.7964724		0.3	30
Chloroethane	A	5.00	4.34	0.3867242	0.3360628		-13.1	30
Chloroform	A	5.00	4.60	1.333154	1.225395		-8.1	30
Chloromethane	A	5.00	4.13	0.8060089	0.6654764		-17.4	30
Cyclohexane	A	5.00	4.99	0.3263662	0.3255163		-0.3	30
Dibromochloromethane	A	5.00	5.51	0.5690602	0.6276003		10.3	30
1,2-Dibromoethane (EDB)	A	5.00	5.22	0.5508419	0.5753563		4.5	30
1,2-Dichlorobenzene	A	5.00	5.65	0.611771	0.6908427		12.9	30
1,3-Dichlorobenzene	A	5.00	5.78	0.6655601	0.7690476		15.5	30
1,4-Dichlorobenzene	A	5.00	5.76	0.6548725	0.7537592		15.1	30
Dichlorodifluoromethane (Freon 12)	A	5.00	3.90	1.473649	1.149182		-22.0	30
1,1-Dichloroethane	A	5.00	4.46	1.285457	1.146462		-10.8	30
1,2-Dichloroethane	A	5.00	4.66	0.8583468	0.8004118		-6.7	30
1,1-Dichloroethylene	A	5.00	4.30	1.158191	0.9960492		-14.0	30
cis-1,2-Dichloroethylene	A	5.00	4.58	0.8951228	0.8191429		-8.5	30
trans-1,2-Dichloroethylene	A	5.00	4.45	0.9491098	0.8440836		-11.1	30
1,2-Dichloropropane	A	5.00	4.57	0.3842394	0.3509308		-8.7	30
cis-1,3-Dichloropropene	A	5.00	5.40	0.4877278	0.5270505		8.1	30
trans-1,3-Dichloropropene	A	5.00	4.82	0.418464	0.4032516		-3.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	4.82	1.77016	1.70801		-3.5	30
1,4-Dioxane	A	5.00	5.25	0.1395506	0.1466006		5.1	30
Ethanol	A	5.00	3.66	0.2248459	0.1644485		-26.9	30
Ethyl Acetate	A	5.00	4.13	0.2444423	0.2019107		-17.4	30
Ethylbenzene	A	5.00	5.42	1.272472	1.379274		8.4	30
4-Ethyltoluene	A	5.00	5.88	1.205175	1.418046		17.7	30
Heptane	A	5.00	5.11	0.2773277	0.2835224		2.2	30
Hexachlorobutadiene	A	5.00	5.17	0.4305931	0.4455861		3.5	30
Hexane	A	5.00	4.90	0.788215	0.7727336		-2.0	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S098479-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.51	0.6981037	0.7691533		10.2	30
Isopropanol	A	5.00	3.99	1.42045	1.134227		-20.2	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.47	1.657241	1.480966		-10.6	30
Methylene Chloride	A	5.00	4.22	0.9400837	0.7935195		-15.6	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.39	0.7265234	0.7832459		7.8	30
Naphthalene	A	5.00	6.14	0.7516814	0.9226097		22.7	30
Propene	A	5.00	3.66	0.7565424	0.553172		-26.9	30
Styrene	A	5.00	5.61	0.6906671	0.7751154		12.2	30
1,1,2,2-Tetrachloroethane	A	5.00	5.30	0.8772082	0.9289454		5.9	30
Tetrachloroethylene	A	5.00	4.95	0.4521555	0.4477705		-1.0	30
Tetrahydrofuran	A	5.00	4.58	0.2526171	0.231642		-8.3	30
Toluene	A	5.00	5.22	1.010526	1.054376		4.3	30
1,2,4-Trichlorobenzene	A	5.00	5.45	0.4029642	0.4390294		8.9	30
1,1,1-Trichloroethane	A	5.00	4.87	0.5448066	0.5309674		-2.5	30
1,1,2-Trichloroethane	A	5.00	5.13	0.3695607	0.3792994		2.6	30
Trichloroethylene	A	5.00	4.91	0.3627816	0.3563585		-1.8	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.53	1.654139	1.499908		-9.3	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	4.48	1.276629	1.144175		-10.4	30
1,2,4-Trimethylbenzene	A	5.00	5.99	0.9638546	1.154203		19.7	30
1,3,5-Trimethylbenzene	A	5.00	5.80	1.010116	1.171943		16.0	30
Vinyl Acetate	A	5.00	6.12	1.441788	1.766185		22.5	30
Vinyl Chloride	A	5.00	4.27	0.8419547	0.7195546		-14.5	30
m&p-Xylene	A	10.0	11.0	0.9796309	1.082081		10.5	30
o-Xylene	A	5.00	5.65	0.9863106	1.115191		13.1	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Acetone	NY,ME,NH
Benzene	FL,NJ,NY,ME,NH,VA
Benzyl chloride	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
Bromomethane	FL,NJ,NY,ME,NH
1,3-Butadiene	NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
Carbon Disulfide	NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Cyclohexane	NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	NJ,NY,ME,NH,VA
1,4-Dioxane	NJ,NY,ME,NH,VA
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Heptane	NJ,NY,ME,NH,VA
Hexachlorobutadiene	NJ,NY,ME,NH,VA
Hexane	FL,NJ,NY,ME,NH,VA
Isopropanol	NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA

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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Acetate	FL,NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

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East Longmeadow, MA US

Delivered

12/23/23 at 10:21 AM

↓ View travel history

Want updates on this shipment? Enter your email and we will do the rest!

	DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

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

Client EnviroTrac
 Project Frost St. OUI
 MCP/RCP Required _____
 Deliverable Package Requirement _____
 Location Westbury, NY
 PWSID# (When Applicable) _____
 Arrival Method FDX 7914 1643 6977
 Received By / Date / Time KMC 12/23/23 1021
 Back-Sheet By / Date / Time KMC 12/26/23 0945
 Temperature Method _____ # _____
 Temp $\leq 6^{\circ}\text{C}$ Actual Temperature _____
 Rush Samples: Yes / No _____ Notify _____
 Short Hold: Yes / No _____ Notify _____

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒
 Project ☒ IDs ☒ Collection Date/Time ☒

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	2	3L	2	15min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s	5	10	15	Regs #'s	5	10	15
1 2417	6	11	16	1 4573	6	11	16
2 2381	7	12	17	2 4574	7	12	17
3	8	13	18	3	8	13	18
4	9	14	19	4	9	14	19
Unused Media	4	9	14	Pufs/TO-17's	5	10	15
1	5	10	15	1	6	11	16
2	6	11	16	2	7	12	17
3	7	12	17	3	8	13	18
4	8	13	18	4	9	14	19

Qualtrax ID: 127034

Page 1 of 1

Appendix C
AS/SVE System Water Sample
Laboratory Analytical Results



Thursday, January 04, 2024

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

Project ID: FROST STREET-OU1
SDG ID: GCP74996
Sample ID#s: CP74996 - CP74997

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, 2024

SDG I.D.: GCP74996

Project ID: FROST STREET-OU1

Client Id	Lab Id	Matrix
SVE DISCHARGE WATER	CP74996	GROUND WATER
TRIP BLANK	CP74997	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, 2024

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: SW
Analyzed by: see "By" below

Date

12/27/23
12/27/23

Time

8:15
17:33

Laboratory Data

SDG ID: GCP74996
Phoenix ID: CP74996

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	01/02/24	TH	SW6010D
Chromium	< 0.001	0.001		mg/L	1	01/02/24	TH	SW6010D
Copper	0.016	0.005		mg/L	1	01/02/24	TH	SW6010D
Iron	0.597	0.010		mg/L	1	01/02/24	TH	SW6010D
Nickel	0.003	0.001		mg/L	1	01/02/24	TH	SW6010D
Zinc	0.064	0.004		mg/L	1	01/02/24	TH	SW6010D
Chromium, Hexavalent	< 0.01	0.01		mg/L	1	12/27/23 19:01	MW	SM3500CRB-11
PCB Extraction	Completed					12/29/23	S/S	E608.3
Total Metals Digestion	Completed					12/29/23	AG	SW3010A

Polychlorinated Biphenyls

PCB-1016	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1221	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1232	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1242	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1248	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1254	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1260	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1262	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	1
PCB-1268	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	1

QA/QC Surrogates

% DCBP	56		%	1	01/02/24	SC	30 - 150 %
% DCBP (Confirmation)	53		%	1	01/02/24	SC	30 - 150 %
% TCMX	72		%	1	01/02/24	SC	30 - 150 %
% TCMX (Confirmation)	67		%	1	01/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Acrolein, Acrylonitrile, 2 CEVE</u>								
2-Chloroethyl vinyl ether	ND	5.0	5.0	ug/L	1	12/27/23	MH	E624.1 As is
Acrolein	ND	5.0	1.0	ug/L	1	12/27/23	MH	E624.1 As is
Acrylonitrile	ND	5.0	0.50	ug/L	1	12/27/23	MH	E624.1 As is
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/27/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/27/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/27/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/27/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/27/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/27/23	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/27/23	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	12/27/23	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	12/27/23	MH	70 - 130 %
% Dibromofluoromethane	102			%	1	12/27/23	MH	70 - 130 %
% Toluene-d8	102			%	1	12/27/23	MH	70 - 130 %

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

Phoenix I.D.: CP74996

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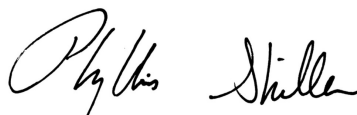
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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, 2024

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, 2024

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

Sample Information

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

Custody Information

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

Date

12/27/23

Time

17:33

Laboratory Data

SDG ID: GCP74996
Phoenix ID: CP74997

Project ID: FROST STREET-OU1
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acrolein, Acrylonitrile, 2 CEVE								
2-Chloroethyl vinyl ether	ND	5.0	5.0	ug/L	1	12/27/23	MH	E624.1 As is
Acrolein	ND	5.0	1.0	ug/L	1	12/27/23	MH	E624.1 As is
Acrylonitrile	ND	5.0	0.50	ug/L	1	12/27/23	MH	E624.1 As is
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/27/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/27/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/27/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/27/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/27/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/27/23	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/27/23	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	12/27/23	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	12/27/23	MH	70 - 130 %
% Dibromofluoromethane	102			%	1	12/27/23	MH	70 - 130 %
% Toluene-d8	102			%	1	12/27/23	MH	70 - 130 %

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

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

Comments:

TRIP BLANK INCLUDED.

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, 2024

Reviewed and Released by: Anil Makol, Project Manager



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



QA/QC Report

January 04, 2024

QA/QC Data

SDG I.D.: GCP74996

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 712397 (mg/L), QC Sample No: CP74947 (CP74996)													
<u>ICP Metals - Aqueous</u>													
Cadmium	BRL	0.001	<0.001	<0.001	NC	101	102	1.0	102			80 - 120	20
Chromium	BRL	0.001	0.002	0.002	NC	99.5	99.7	0.2	100			80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	100	99.7	0.3	102			80 - 120	20
Iron	BRL	0.010	1.42	1.44	1.40	101	101	0.0	120			80 - 120	20
Nickel	BRL	0.001	<0.001	0.001	NC	101	101	0.0	101			80 - 120	20
Zinc	BRL	0.004	0.045	0.047	4.30	99.1	99.1	0.0	101			80 - 120	20

Comment:

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



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



QA/QC Report

January 04, 2024

QA/QC Data

SDG I.D.: GCP74996

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 712022 (mg/L), QC Sample No: CP74561 (CP74996)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	93.9			108			90 - 110	20
Comment:													
Additional Hexavalent Chromium criteria: LCS acceptance range for waters is 90-110% and MS acceptance range is 85-115%.													



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



QA/QC Report

January 04, 2024

QA/QC Data

SDG I.D.: GCP74996

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 712377 (ug/L), QC Sample No: CP74724 (CP74996)										
<u>Polychlorinated Biphenyls - Ground Water</u>										
PCB-1016	ND	0.050	43	47	8.9				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	62	69	10.7				30 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	74	%	69	84	19.6				30 - 150	20
% DCBP (Surrogate Rec) (Confirm	70	%	65	80	20.7				30 - 150	20
% TCMX (Surrogate Rec)	24	%	20	19	5.1				30 - 150	20
% TCMX (Surrogate Rec) (Confirm	22	%	19	19	0.0				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 712126 (ug/L), QC Sample No: CP74824 (CP74996, CP74997)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	111	109	1.8	100	106	5.8	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	115	114	0.9	106	110	3.7	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	108	107	0.9	104	103	1.0	71 - 129	20
1,1-Dichloroethane	ND	1.0	114	109	4.5	110	112	1.8	72 - 128	20
1,1-Dichloroethene	ND	1.0	112	109	2.7	108	111	2.7	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	107	105	1.9	101	103	2.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	114	112	1.8	111	111	0.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	106	104	1.9	100	101	1.0	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	107	104	2.8	98	101	3.0	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	108	104	3.8	99	101	2.0	63 - 137	20
2 chlorethyl vinyl ether	ND	1.0	146	144	1.4	128	138	7.5	50 - 150	20
Acrolein	ND	5.0	124	122	1.6	122	121	0.8	50 - 150	20
Acrylonitrile	ND	5.0	111	106	4.6	108	109	0.9	50 - 150	20
Benzene	ND	0.70	105	101	3.9	97	99	2.0	64 - 136	20
Bromodichloromethane	ND	0.50	114	114	0.0	107	110	2.8	65 - 135	20
Bromoform	ND	1.0	114	114	0.0	103	109	5.7	71 - 129	20
Bromomethane	ND	1.0	93	94	1.1	91	93	2.2	40 - 160	20
Carbon Disulfide	ND	1.0	109	106	2.8	103	107	3.8	70 - 130	30
Carbon tetrachloride	ND	1.0	94	91	3.2	97	106	8.9	73 - 127	20
Chlorobenzene	ND	1.0	106	104	1.9	99	102	3.0	66 - 134	20
Chloroethane	ND	1.0	121	114	6.0	120	123	2.5	40 - 160	20
Chloroform	ND	1.0	112	107	4.6	105	107	1.9	67 - 133	20
Chloromethane	ND	1.0	103	99	4.0	95	97	2.1	40 - 160	20

QA/QC Data

SDG I.D.: GCP74996

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	116	96	18.9	94	98	4.2	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	110	108	1.8	97	100	3.0	40 - 160	20
Dibromochloromethane	ND	0.50	114	113	0.9	107	112	4.6	67 - 133	20
Ethylbenzene	ND	1.0	106	102	3.8	96	99	3.1	59 - 141	20
Isopropylbenzene	ND	1.0	106	103	2.9	97	99	2.0	70 - 130	30
m&p-Xylene	ND	1.0	107	104	2.8	98	101	3.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	117	117	0.0	115	116	0.9	70 - 130	30
Methylene chloride	ND	1.0	110	108	1.8	110	112	1.8	60 - 140	20
Naphthalene	ND	1.0	122	121	0.8	104	112	7.4	70 - 130	30
o-Xylene	ND	1.0	107	104	2.8	98	99	1.0	70 - 130	30
Tetrachloroethene	ND	1.0	103	102	1.0	94	96	2.1	73 - 127	20
Toluene	ND	1.0	103	101	2.0	96	97	1.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	113	110	2.7	110	112	1.8	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	115	113	1.8	100	103	3.0	50 - 150	20
Trichloroethene	ND	1.0	105	101	3.9	96	99	3.1	66 - 134	20
Trichlorofluoromethane	ND	1.0	111	108	2.7	106	111	4.6	48 - 152	20
Vinyl chloride	ND	1.0	105	101	3.9	95	99	4.1	40 - 160	20
% 1,2-dichlorobenzene-d4	99	%	101	101	0.0	100	100	0.0	70 - 130	30
% Bromofluorobenzene	99	%	101	101	0.0	99	100	1.0	70 - 130	30
% Dibromofluoromethane	102	%	102	104	1.9	103	102	1.0	70 - 130	30
% Toluene-d8	101	%	100	101	1.0	100	100	0.0	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.

s = This parameter is outside laboratory Blank Surrogate 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

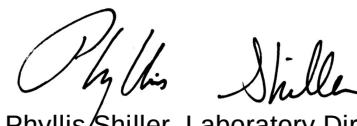
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director
January 04, 2024

Thursday, January 04, 2024

Criteria: None
State: NY

Sample Criteria Exceedances Report

GCP74996 - ENVIROTR

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

*** No Data to Display ***

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



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



Analysis Comments

January 04, 2024

SDG I.D.: GCP74996

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

PCB 608 Narration

AU-ECD1 01/02/24-1: CP74996

The following Initial Calibration compounds did not meet RSD% criteria: PCB 1016 16% (15%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: PCB 1016 16% (15%)



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NY Temperature Narration

January 04, 2024

SDG I.D.: GCP74996

The samples in this delivery group were received at 2.5°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix D
Groundwater Extraction Well Sampling
Quarterly Results



Thursday, January 04, 2024

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

Project ID: FROST STREET-OU1
SDG ID: GCP74996
Sample ID#s: CP74996 - CP74997

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.
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Sample Id Cross Reference

January 04, 2024

SDG I.D.: GCP74996

Project ID: FROST STREET-OU1

Client Id	Lab Id	Matrix
SVE DISCHARGE WATER	CP74996	GROUND WATER
TRIP BLANK	CP74997	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, 2024

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: SW
Analyzed by: see "By" below

Date

12/27/23
12/27/23

Time

8:15
17:33

Laboratory Data

SDG ID: GCP74996
Phoenix ID: CP74996

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	01/02/24	TH	SW6010D
Chromium	< 0.001	0.001		mg/L	1	01/02/24	TH	SW6010D
Copper	0.016	0.005		mg/L	1	01/02/24	TH	SW6010D
Iron	0.597	0.010		mg/L	1	01/02/24	TH	SW6010D
Nickel	0.003	0.001		mg/L	1	01/02/24	TH	SW6010D
Zinc	0.064	0.004		mg/L	1	01/02/24	TH	SW6010D
Chromium, Hexavalent	< 0.01	0.01		mg/L	1	12/27/23 19:01	MW	SM3500CRB-11
PCB Extraction	Completed					12/29/23	S/S	E608.3
Total Metals Digestion	Completed					12/29/23	AG	SW3010A

Polychlorinated Biphenyls

PCB-1016	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1221	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1232	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1242	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1248	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1254	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1260	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	
PCB-1262	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	1
PCB-1268	ND	0.047	0.047	ug/L	1	01/02/24	SC	E608.3	1

QA/QC Surrogates

% DCBP	56		%	1	01/02/24	SC	30 - 150 %
% DCBP (Confirmation)	53		%	1	01/02/24	SC	30 - 150 %
% TCMX	72		%	1	01/02/24	SC	30 - 150 %
% TCMX (Confirmation)	67		%	1	01/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Acrolein, Acrylonitrile, 2 CEVE</u>								
2-Chloroethyl vinyl ether	ND	5.0	5.0	ug/L	1	12/27/23	MH	E624.1 As is
Acrolein	ND	5.0	1.0	ug/L	1	12/27/23	MH	E624.1 As is
Acrylonitrile	ND	5.0	0.50	ug/L	1	12/27/23	MH	E624.1 As is
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/27/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/27/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/27/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/27/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/27/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/27/23	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/27/23	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	12/27/23	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	12/27/23	MH	70 - 130 %
% Dibromofluoromethane	102			%	1	12/27/23	MH	70 - 130 %
% Toluene-d8	102			%	1	12/27/23	MH	70 - 130 %

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

Phoenix I.D.: CP74996

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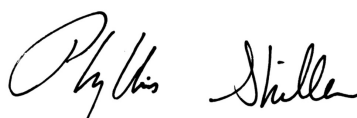
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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, 2024

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, 2024

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

Sample Information

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

Custody Information

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

Date

12/27/23

Time

17:33

Laboratory Data

SDG ID: GCP74996
Phoenix ID: CP74997

Project ID: FROST STREET-OU1
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Acrolein, Acrylonitrile, 2 CEVE</u>								
2-Chloroethyl vinyl ether	ND	5.0	5.0	ug/L	1	12/27/23	MH	E624.1 As is
Acrolein	ND	5.0	1.0	ug/L	1	12/27/23	MH	E624.1 As is
Acrylonitrile	ND	5.0	0.50	ug/L	1	12/27/23	MH	E624.1 As is
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	12/27/23	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/27/23	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	12/27/23	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	12/27/23	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	12/27/23	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	12/27/23	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/27/23	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/27/23	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	12/27/23	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	12/27/23	MH	70 - 130 %
% Dibromofluoromethane	102			%	1	12/27/23	MH	70 - 130 %
% Toluene-d8	102			%	1	12/27/23	MH	70 - 130 %

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

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

Comments:

TRIP BLANK INCLUDED.

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, 2024

Reviewed and Released by: Anil Makol, Project Manager



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



QA/QC Report

January 04, 2024

QA/QC Data

SDG I.D.: GCP74996

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 712397 (mg/L), QC Sample No: CP74947 (CP74996)													
<u>ICP Metals - Aqueous</u>													
Cadmium	BRL	0.001	<0.001	<0.001	NC	101	102	1.0	102			80 - 120	20
Chromium	BRL	0.001	0.002	0.002	NC	99.5	99.7	0.2	100			80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	100	99.7	0.3	102			80 - 120	20
Iron	BRL	0.010	1.42	1.44	1.40	101	101	0.0	120			80 - 120	20
Nickel	BRL	0.001	<0.001	0.001	NC	101	101	0.0	101			80 - 120	20
Zinc	BRL	0.004	0.045	0.047	4.30	99.1	99.1	0.0	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 04, 2024

QA/QC Data

SDG I.D.: GCP74996

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 712022 (mg/L), QC Sample No: CP74561 (CP74996)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	93.9			108			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 04, 2024

QA/QC Data

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Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 712377 (ug/L), QC Sample No: CP74724 (CP74996)										
<u>Polychlorinated Biphenyls - Ground Water</u>										
PCB-1016	ND	0.050	43	47	8.9				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	62	69	10.7				30 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	74	%	69	84	19.6				30 - 150	20
% DCBP (Surrogate Rec) (Confirm	70	%	65	80	20.7				30 - 150	20
% TCMX (Surrogate Rec)	24	%	20	19	5.1				30 - 150	20
% TCMX (Surrogate Rec) (Confirm	22	%	19	19	0.0				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 712126 (ug/L), QC Sample No: CP74824 (CP74996, CP74997)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	111	109	1.8	100	106	5.8	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	115	114	0.9	106	110	3.7	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	108	107	0.9	104	103	1.0	71 - 129	20
1,1-Dichloroethane	ND	1.0	114	109	4.5	110	112	1.8	72 - 128	20
1,1-Dichloroethene	ND	1.0	112	109	2.7	108	111	2.7	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	107	105	1.9	101	103	2.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	114	112	1.8	111	111	0.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	106	104	1.9	100	101	1.0	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	107	104	2.8	98	101	3.0	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	108	104	3.8	99	101	2.0	63 - 137	20
2 chlorethyl vinyl ether	ND	1.0	146	144	1.4	128	138	7.5	50 - 150	20
Acrolein	ND	5.0	124	122	1.6	122	121	0.8	50 - 150	20
Acrylonitrile	ND	5.0	111	106	4.6	108	109	0.9	50 - 150	20
Benzene	ND	0.70	105	101	3.9	97	99	2.0	64 - 136	20
Bromodichloromethane	ND	0.50	114	114	0.0	107	110	2.8	65 - 135	20
Bromoform	ND	1.0	114	114	0.0	103	109	5.7	71 - 129	20
Bromomethane	ND	1.0	93	94	1.1	91	93	2.2	40 - 160	20
Carbon Disulfide	ND	1.0	109	106	2.8	103	107	3.8	70 - 130	30
Carbon tetrachloride	ND	1.0	94	91	3.2	97	106	8.9	73 - 127	20
Chlorobenzene	ND	1.0	106	104	1.9	99	102	3.0	66 - 134	20
Chloroethane	ND	1.0	121	114	6.0	120	123	2.5	40 - 160	20
Chloroform	ND	1.0	112	107	4.6	105	107	1.9	67 - 133	20
Chloromethane	ND	1.0	103	99	4.0	95	97	2.1	40 - 160	20

QA/QC Data

SDG I.D.: GCP74996

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	116	96	18.9	94	98	4.2	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	110	108	1.8	97	100	3.0	40 - 160	20
Dibromochloromethane	ND	0.50	114	113	0.9	107	112	4.6	67 - 133	20
Ethylbenzene	ND	1.0	106	102	3.8	96	99	3.1	59 - 141	20
Isopropylbenzene	ND	1.0	106	103	2.9	97	99	2.0	70 - 130	30
m&p-Xylene	ND	1.0	107	104	2.8	98	101	3.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	117	117	0.0	115	116	0.9	70 - 130	30
Methylene chloride	ND	1.0	110	108	1.8	110	112	1.8	60 - 140	20
Naphthalene	ND	1.0	122	121	0.8	104	112	7.4	70 - 130	30
o-Xylene	ND	1.0	107	104	2.8	98	99	1.0	70 - 130	30
Tetrachloroethene	ND	1.0	103	102	1.0	94	96	2.1	73 - 127	20
Toluene	ND	1.0	103	101	2.0	96	97	1.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	113	110	2.7	110	112	1.8	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	115	113	1.8	100	103	3.0	50 - 150	20
Trichloroethene	ND	1.0	105	101	3.9	96	99	3.1	66 - 134	20
Trichlorofluoromethane	ND	1.0	111	108	2.7	106	111	4.6	48 - 152	20
Vinyl chloride	ND	1.0	105	101	3.9	95	99	4.1	40 - 160	20
% 1,2-dichlorobenzene-d4	99	%	101	101	0.0	100	100	0.0	70 - 130	30
% Bromofluorobenzene	99	%	101	101	0.0	99	100	1.0	70 - 130	30
% Dibromofluoromethane	102	%	102	104	1.9	103	102	1.0	70 - 130	30
% Toluene-d8	101	%	100	101	1.0	100	100	0.0	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.

s = This parameter is outside laboratory Blank Surrogate 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

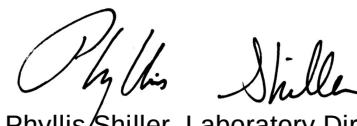
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


Phyllis Shiller, Laboratory Director
January 04, 2024

Thursday, January 04, 2024

Criteria: None
State: NY

Sample Criteria Exceedances Report

GCP74996 - 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, 2024

SDG I.D.: GCP74996

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

PCB 608 Narration

AU-ECD1 01/02/24-1: CP74996

The following Initial Calibration compounds did not meet RSD% criteria: PCB 1016 16% (15%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: PCB 1016 16% (15%)



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NY Temperature Narration

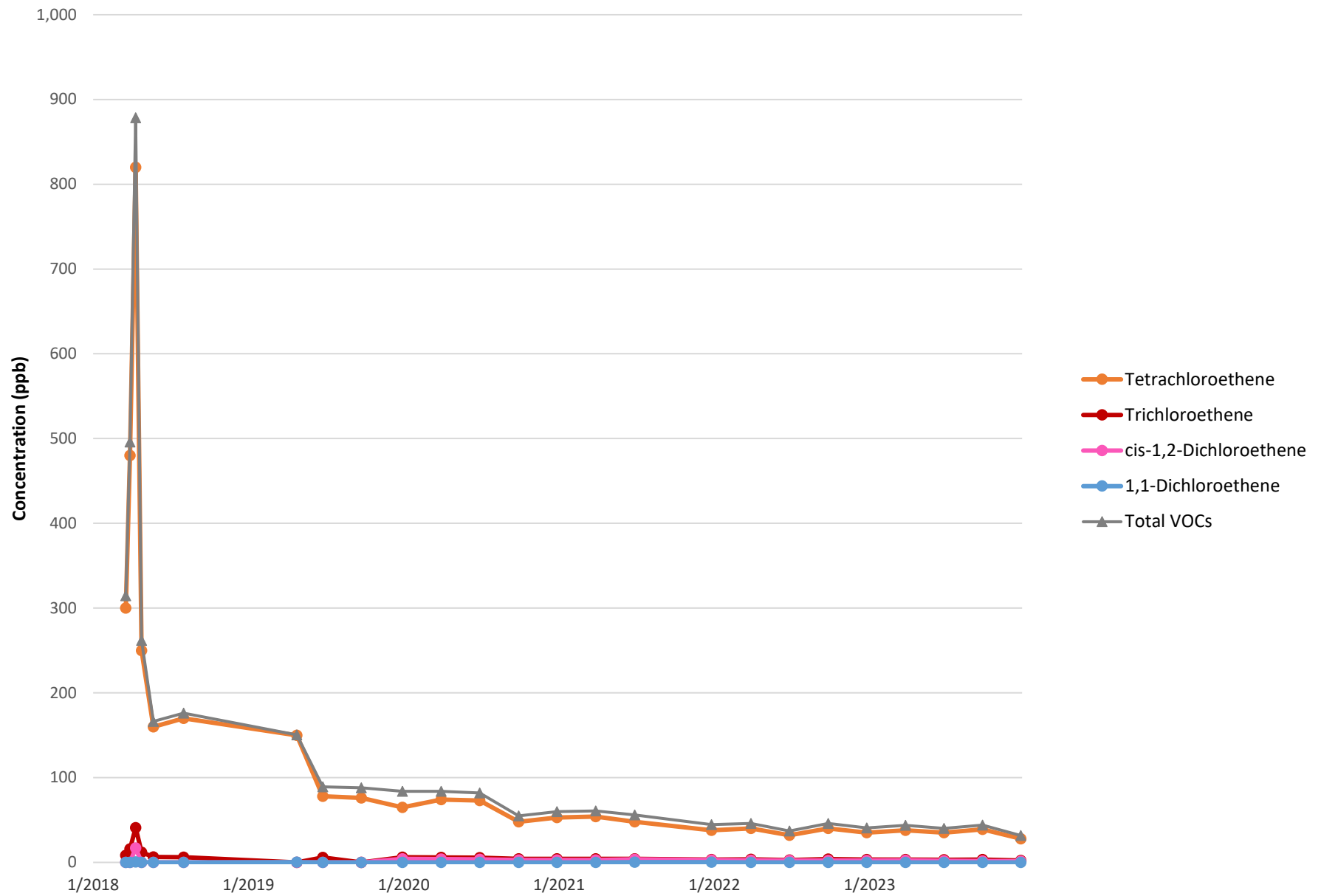
January 04, 2024

SDG I.D.: GCP74996

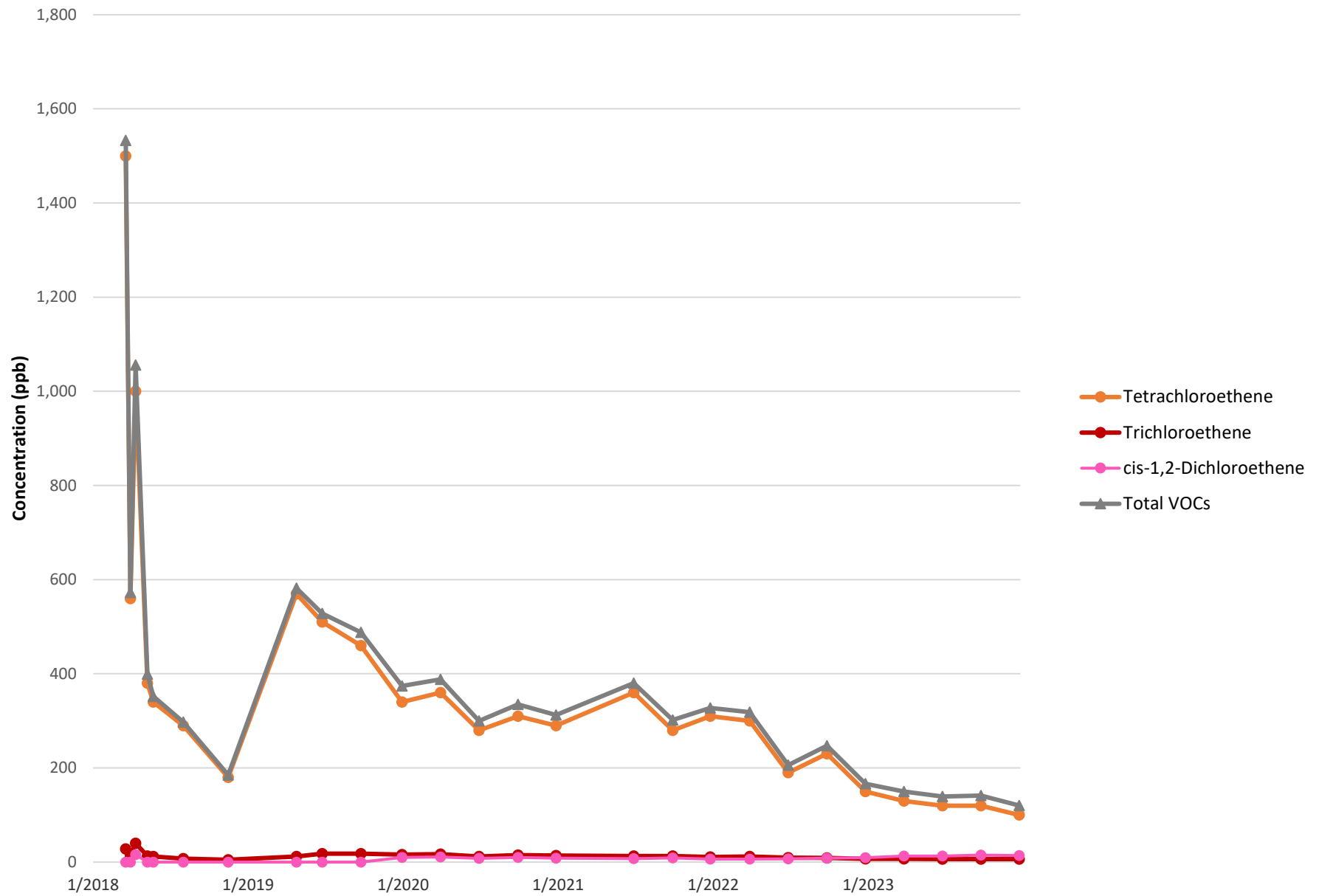
The samples in this delivery group were received at 2.5°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix E
Groundwater Extraction Well Sampling
Historical Results

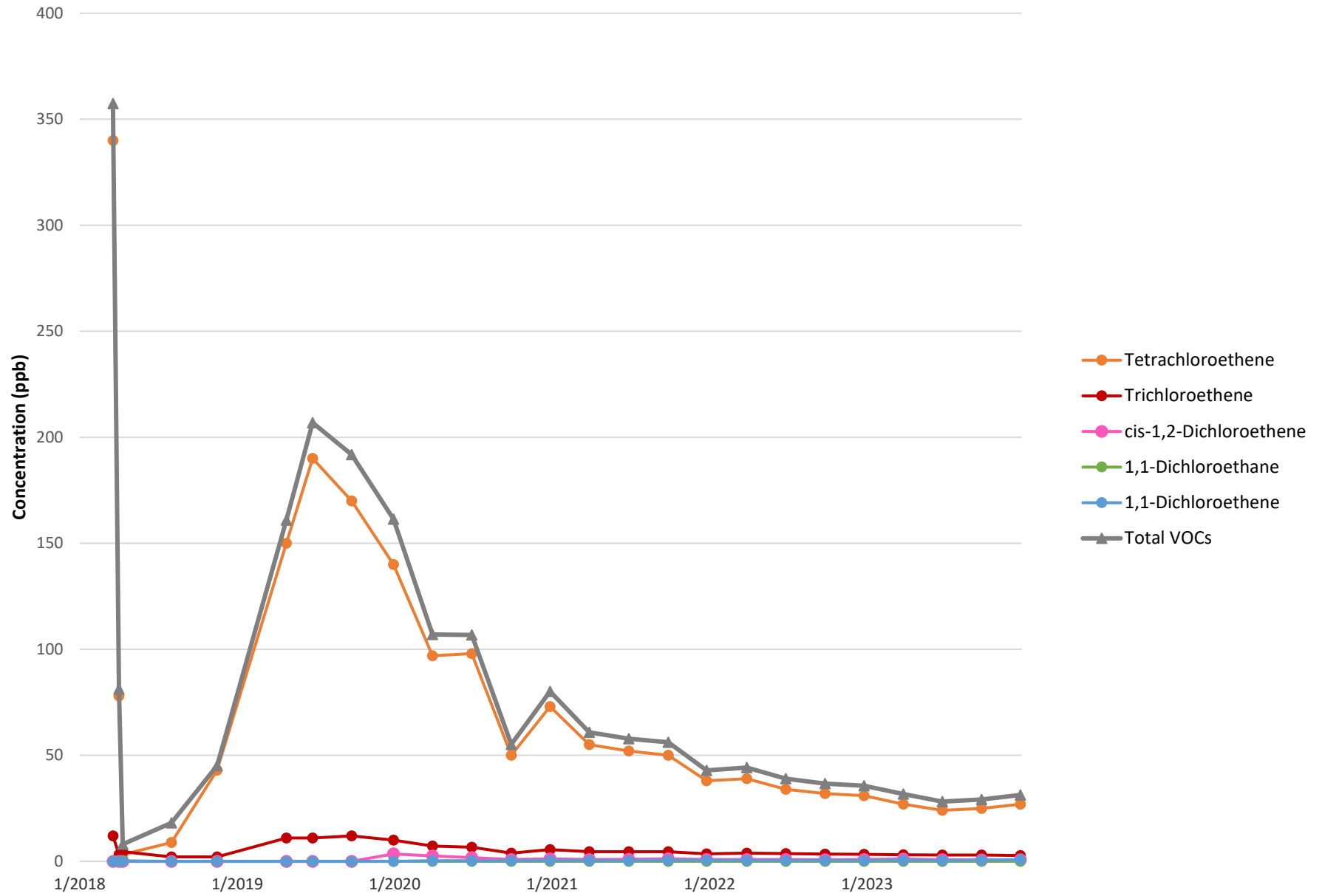
EX-1A



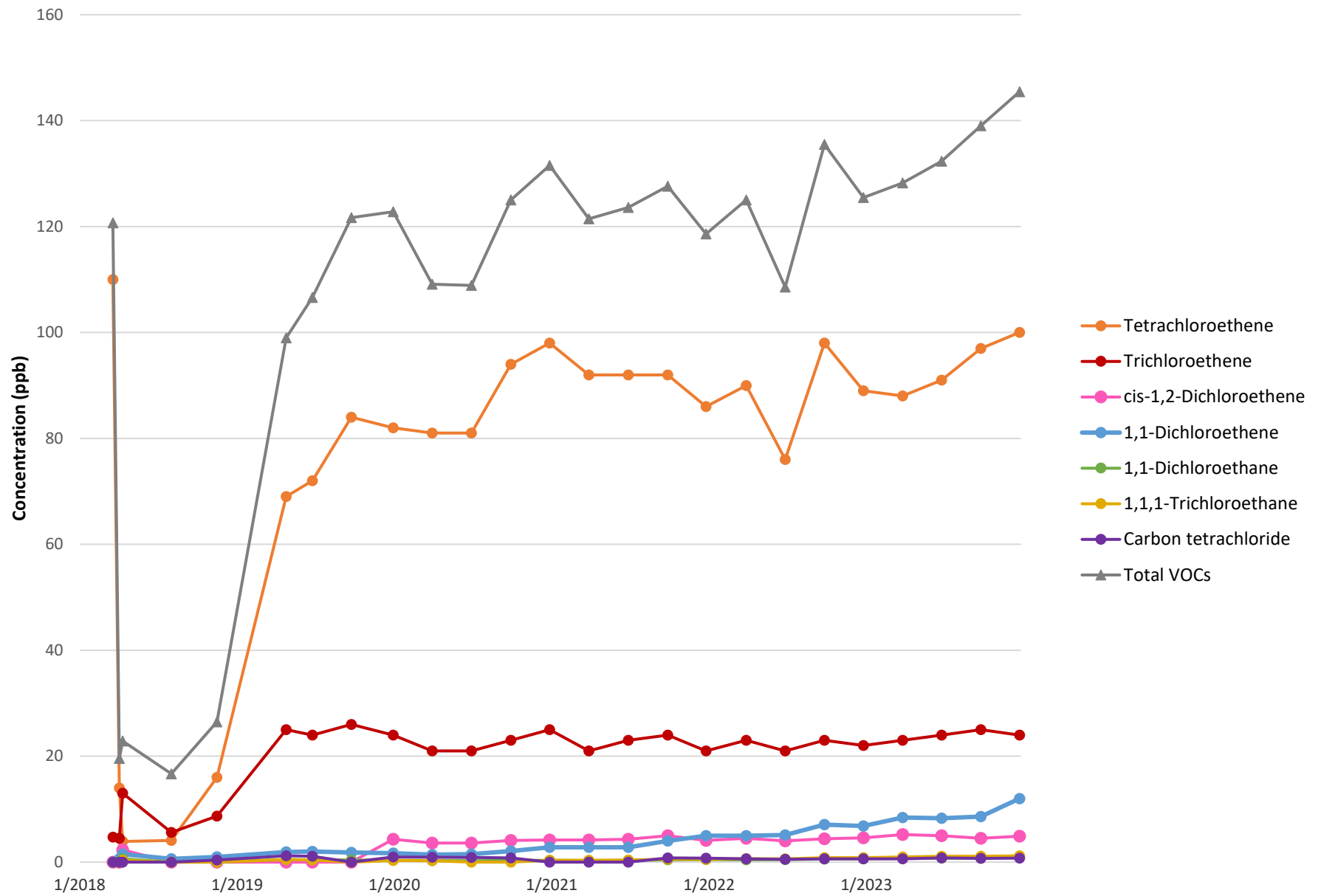
EX-1B



EX-1C



EX-1D



All Wells - Total VOCs

