

July 11, 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: June 2024
Frost Street Sites: Site ID Nos. 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. Aucoin,

EnSafe Inc. is pleased to submit this Progress Report for the Frost Street Sites (Site ID Nos. 1-30043 I, L, M) for operation, maintenance, and monitoring (OM&M) activities completed in June 2024 for the onsite air sparge/soil vapor extraction (AS/SVE) and groundwater extraction systems.

Air Sparge/Soil Vapor Extraction System – Operable Unit 1

- AS/SVE system operations continued this month, per the OM&M Manual. During periodic visits, system parameters were logged on dedicated forms (Appendix A). During the month of June, no alarm calls were received.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on June 13 using Summa canisters. These samples were obtained by EnviroTrac, submitted to Con-Test (Pace Analytical Laboratories), and analyzed by Method TO-15. Results are included in Appendix B.
 - Photoionization detector readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [22,000 µg/m³]) continue to indicate significant mass extraction.
 - Effluent concentrations are below the carbon exchange indicator concentrations as shown below.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800 ft ³ /min	
Compound	Annual Mass Emission Limit ¹ (lbs/year)	Carbon Exchange Required Indicator Concentration (µg/m ³) ²	June 2024 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	2.1
Tetrachloroethene	1,000	38,000	3.6
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	14

Notes:

ft/min cubic feet per minute

lbs/year pounds per year

µg/m³ micrograms per cubic meter

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

Groundwater Extraction System – Operable Unit 2

The pumps in EX-1A, EX-1B, EX-1C, and EX-1D operated near design flow rates (30, 30, 48, and 48 gallons per minute, respectively) for all of June except for June 30 at 6:00 AM to July 1 at 7:00 AM due to a high-water level in the vault which was rectified by cleaning the line. To date, over 454 million gallons of groundwater and approximately 500 pounds of VOCs have been removed by this system.

Quarterly samples were collected from each extraction well on June 28 and analyzed for VOCs; a summary of the detected values is provided below. This data continues to indicate significant mass extraction. Full results for these events are provided in Appendix C; historical data is graphed in Appendix D.

Groundwater Extraction System Individual Extraction Well Data – Volatile Organic Compounds (ppb)				
Analyte	EX-1A	EX-1B	EX-1C	EX-1D
1,1,1-Trichloroethane	ND	ND	ND	1.2
1,1-Dichloroethane	ND	ND	ND	0.94
1,1-Dichloroethene	ND	ND	0.83	11
Carbon Tetrachloride	ND	ND	ND	0.69
Chloroform	ND	ND	ND	1.9
cis-1,2-Dichloroethene	1.4	17	0.88	5.4
Tetrachloroethene	24	93	24	87
Trichloroethene	2.3	6.3	2.4	23
Total VOCs	27.7	116.3	28.11	131.13

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>
	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>
	J. Privitera, Esq., WOH	<i>Via email to jprivitera@woh.com</i>
	T. Ruane, WOH	<i>Via email to truane@woh.com</i>
	P. Coop, EnSafe	<i>Via email to pcoop@ensafe.com</i>
	J. Wilkinson, Envirotrac	<i>Via email to jamesw@envirotrac.com</i>

Appendix A
AS/SVE System Operation and Maintenance Logs

Operation & Maintenance Data Sheet

Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services

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

Date: 11-Jun
Weather / Temp: Clear / 70 DEG
Technician / Operator: JW

Arrival Time: 10:15
Departure Time: 11:15

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	OFF		ON		AS Compressor 1 (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	ON		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)	4600		903		Blower 1 Total Runtime (hrs)	74,567.0			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	74,170.0			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	53				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3				VGAC-1 Influent PID (ppm)	1			
VGAC-1 Influent Vacuum ("H2O)	46				VGAC-1 Effluent PID (ppm)	0			
VGAC-1 Effluent Vacuum ("H2O)	50				VGAC-2 Influent PID (ppm)	1			
VGAC-2 Influent Vacuum ("H2O)	48				VGAC-2 Effluent PID (ppm)	0			
VGAC-2 Effluent Vacuum ("H2O)	48				VGAC-3 Influent PID (ppm)	0			
VGAC-3 Influent Vacuum ("H2O)	50				VGAC-3 Effluent PID (ppm)	0			
VGAC-3 Effluent Vacuum ("H2O)	52				Blower Effluent PID (ppm)	0			
VGAC-3 Influent Temp (degF)					Transfer Pump Total Runtime (hrs)	25,322.1			
Blower Effluent Pressure ("H2O)	10				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)	43	6300	137	1	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	37	4100	89	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	45	4000	87	2	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	46	2900	63	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	37	4900	107	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	42	6000	131	6
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	35	4100	89	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	38	3900	85	0
Air Sparge System									
Compressor 1 Pressure (psi)	16				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	26,891.7				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	167				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	90				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	16.5				AS Manifold Temperature (degF)	86			
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)	18	11	AS-11 (psi)/(cfm)		15		8		
AS-2 (psi)/(cfm)	16	7	AS-12B (psi)/(cfm)		17		9		
AS-3 (psi)/(cfm)	15	10	AS-13B (psi)/(cfm)		17		12		
AS-4 (psi)/(cfm)	15	9	AS-14 (psi)/(cfm)		18		9		
AS-5 (psi)/(cfm)	17	11	AS-15 (psi)/(cfm)		17		10		
AS-6 (psi)/(cfm)	18	8	AS-16B (psi)/(cfm)		16		10		
AS-7 (psi)/(cfm)	17	7	AS-17 (psi)/(cfm)		18		6		
AS-8 (psi)/(cfm)	15	12	AS-18 (psi)/(cfm)		14		10		
AS-9 (psi)/(cfm)	18	10	AS-19 (psi)/(cfm)		16		5		
AS-10B (psi)/(cfm)	16	10							

Notes, Comments & Observations:

Collected monthly air samples.

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: 11-Jun
Weather / Temp: Clear / 70 DEG
Technician / Operator: JW

Arrival Time: 10:15
Departure Time: 11:15

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 4/30/24
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 4/30/24
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 1/31/24
-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

June 26, 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: 24F1832

Enclosed are results of analyses for samples as received by the laboratory on June 13, 2024. 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: 6/26/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24F1832

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 Effluent	24F1832-01	Soil Gas		- EPA TO-15	
SVE Influent	24F1832-02	Soil Gas		- EPA TO-15	

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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:**

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

24F1832-02[SVE Influent]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**Tetrahydrofuran**

24F1832-01[SVE Effluent], 24F1832-02[SVE Influent], B378290-BLK1, B378290-BS1, B378290-DUP1, S106466-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**1,3-Dichlorobenzene**

B378290-BS1, S106466-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: 6/13/2024
Field Sample #: SVE Effluent
Sample ID: 24F1832-01
Sample Matrix: Soil Gas
Sampled: 6/11/2024 10:54

Sample Description/Location:
Sub Description/Location:
Canister ID: 2280
Canister Size: 3 liter
Flow Controller ID: 4172
Sample Type: 15 min

Work Order: 24F1832
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -4.9
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	8.0		ND	19	4	6/19/24 20:20	CMR	
Benzene	ND	0.20		ND	0.64	4	6/19/24 20:20	CMR	
Benzyl chloride	ND	0.20		ND	1.0	4	6/19/24 20:20	CMR	
Bromodichloromethane	ND	0.20		ND	1.3	4	6/19/24 20:20	CMR	
Bromoform	ND	0.20		ND	2.1	4	6/19/24 20:20	CMR	
Bromomethane	ND	0.20		ND	0.78	4	6/19/24 20:20	CMR	
1,3-Butadiene	ND	0.20		ND	0.44	4	6/19/24 20:20	CMR	
2-Butanone (MEK)	ND	8.0		ND	24	4	6/19/24 20:20	CMR	
Carbon Disulfide	ND	2.0		ND	6.2	4	6/19/24 20:20	CMR	
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/19/24 20:20	CMR	
Chlorobenzene	ND	0.20		ND	0.92	4	6/19/24 20:20	CMR	
Chloroethane	ND	0.20		ND	0.53	4	6/19/24 20:20	CMR	
Chloroform	ND	0.20		ND	0.98	4	6/19/24 20:20	CMR	
Chloromethane	ND	0.40		ND	0.83	4	6/19/24 20:20	CMR	
Cyclohexane	ND	0.20		ND	0.69	4	6/19/24 20:20	CMR	
Dibromochloromethane	ND	0.20		ND	1.7	4	6/19/24 20:20	CMR	
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/19/24 20:20	CMR	
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/19/24 20:20	CMR	
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/19/24 20:20	CMR	
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/19/24 20:20	CMR	
Dichlorodifluoromethane (Freon 12)	0.68	0.20		3.3	0.99	4	6/19/24 20:20	CMR	
1,1-Dichloroethane	ND	0.20		ND	0.81	4	6/19/24 20:20	CMR	
1,2-Dichloroethane	ND	0.20		ND	0.81	4	6/19/24 20:20	CMR	
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	6/19/24 20:20	CMR	
cis-1,2-Dichloroethylene	3.6	0.20		14	0.79	4	6/19/24 20:20	CMR	
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	6/19/24 20:20	CMR	
1,2-Dichloropropane	ND	0.20		ND	0.92	4	6/19/24 20:20	CMR	
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/19/24 20:20	CMR	
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/19/24 20:20	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/19/24 20:20	CMR	
1,4-Dioxane	ND	2.0		ND	7.2	4	6/19/24 20:20	CMR	
Ethanol	ND	8.0		ND	15	4	6/19/24 20:20	CMR	
Ethyl Acetate	ND	2.0		ND	7.2	4	6/19/24 20:20	CMR	
Ethylbenzene	ND	0.20		ND	0.87	4	6/19/24 20:20	CMR	
4-Ethyltoluene	ND	0.20		ND	0.98	4	6/19/24 20:20	CMR	
Heptane	ND	0.20		ND	0.82	4	6/19/24 20:20	CMR	
Hexachlorobutadiene	ND	0.20		ND	2.1	4	6/19/24 20:20	CMR	

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ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 6/13/2024
Field Sample #: SVE Effluent
Sample ID: 24F1832-01
Sample Matrix: Soil Gas
Sampled: 6/11/2024 10:54

Sample Description/Location:
Sub Description/Location:
Canister ID: 2280
Canister Size: 3 liter
Flow Controller ID: 4172
Sample Type: 15 min

Work Order: 24F1832
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -4.9
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	8.0		ND	28	4	6/19/24 20:20	CMR	
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/19/24 20:20	CMR	
Isopropanol	ND	8.0		ND	20	4	6/19/24 20:20	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/19/24 20:20	CMR	
Methylene Chloride	ND	2.0		ND	6.9	4	6/19/24 20:20	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/19/24 20:20	CMR	
Naphthalene	ND	0.20		ND	1.0	4	6/19/24 20:20	CMR	
Propene	ND	8.0		ND	14	4	6/19/24 20:20	CMR	
Styrene	ND	0.20		ND	0.85	4	6/19/24 20:20	CMR	
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/19/24 20:20	CMR	
Tetrachloroethylene	0.53	0.20		3.6	1.4	4	6/19/24 20:20	CMR	
Tetrahydrofuran	ND	2.0	V-05	ND	5.9	4	6/19/24 20:20	CMR	
Toluene	0.58	0.20		2.2	0.75	4	6/19/24 20:20	CMR	
1,2,4-Trichlorobenzene	ND	0.20		ND	1.5	4	6/19/24 20:20	CMR	
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	6/19/24 20:20	CMR	
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/19/24 20:20	CMR	
Trichloroethylene	0.39	0.20		2.1	1.1	4	6/19/24 20:20	CMR	
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/19/24 20:20	CMR	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/19/24 20:20	CMR	
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	6/19/24 20:20	CMR	
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	6/19/24 20:20	CMR	
Vinyl Acetate	ND	4.0		ND	14	4	6/19/24 20:20	CMR	
Vinyl Chloride	ND	0.20		ND	0.51	4	6/19/24 20:20	CMR	
m&p-Xylene	ND	0.40		ND	1.7	4	6/19/24 20:20	CMR	
o-Xylene	ND	0.20		ND	0.87	4	6/19/24 20:20	CMR	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	92.4	70-130	6/19/24 20:20

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ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 6/13/2024
Field Sample #: SVE Influent
Sample ID: 24F1832-02
Sample Matrix: Soil Gas
Sampled: 6/11/2024 10:56

Sample Description/Location:
Sub Description/Location:
Canister ID: 1364
Canister Size: 3 liter
Flow Controller ID: 4107
Sample Type: 15 min

Work Order: 24F1832
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -8.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15									
Sample Flags: RL-11									
Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	ND	600		ND	1400	300	6/19/24 21:18		CMR
Benzene	ND	15		ND	48	300	6/19/24 21:18		CMR
Benzyl chloride	ND	15		ND	78	300	6/19/24 21:18		CMR
Bromodichloromethane	ND	15		ND	100	300	6/19/24 21:18		CMR
Bromoform	ND	15		ND	160	300	6/19/24 21:18		CMR
Bromomethane	ND	15		ND	58	300	6/19/24 21:18		CMR
1,3-Butadiene	ND	15		ND	33	300	6/19/24 21:18		CMR
2-Butanone (MEK)	ND	600		ND	1800	300	6/19/24 21:18		CMR
Carbon Disulfide	ND	150		ND	470	300	6/19/24 21:18		CMR
Carbon Tetrachloride	ND	15		ND	94	300	6/19/24 21:18		CMR
Chlorobenzene	ND	15		ND	69	300	6/19/24 21:18		CMR
Chloroethane	ND	15		ND	40	300	6/19/24 21:18		CMR
Chloroform	ND	15		ND	73	300	6/19/24 21:18		CMR
Chloromethane	ND	30		ND	62	300	6/19/24 21:18		CMR
Cyclohexane	ND	15		ND	52	300	6/19/24 21:18		CMR
Dibromochloromethane	ND	15		ND	130	300	6/19/24 21:18		CMR
1,2-Dibromoethane (EDB)	ND	15		ND	120	300	6/19/24 21:18		CMR
1,2-Dichlorobenzene	ND	15		ND	90	300	6/19/24 21:18		CMR
1,3-Dichlorobenzene	ND	15		ND	90	300	6/19/24 21:18		CMR
1,4-Dichlorobenzene	ND	15		ND	90	300	6/19/24 21:18		CMR
Dichlorodifluoromethane (Freon 12)	ND	15		ND	74	300	6/19/24 21:18		CMR
1,1-Dichloroethane	ND	15		ND	61	300	6/19/24 21:18		CMR
1,2-Dichloroethane	ND	15		ND	61	300	6/19/24 21:18		CMR
1,1-Dichloroethylene	ND	15		ND	59	300	6/19/24 21:18		CMR
cis-1,2-Dichloroethylene	52	15		210	59	300	6/19/24 21:18		CMR
trans-1,2-Dichloroethylene	ND	15		ND	59	300	6/19/24 21:18		CMR
1,2-Dichloropropane	ND	15		ND	69	300	6/19/24 21:18		CMR
cis-1,3-Dichloropropene	ND	15		ND	68	300	6/19/24 21:18		CMR
trans-1,3-Dichloropropene	ND	15		ND	68	300	6/19/24 21:18		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	15		ND	100	300	6/19/24 21:18		CMR
1,4-Dioxane	ND	150		ND	540	300	6/19/24 21:18		CMR
Ethanol	ND	600		ND	1100	300	6/19/24 21:18		CMR
Ethyl Acetate	ND	150		ND	540	300	6/19/24 21:18		CMR
Ethylbenzene	ND	15		ND	65	300	6/19/24 21:18		CMR
4-Ethyltoluene	ND	15		ND	74	300	6/19/24 21:18		CMR
Heptane	ND	15		ND	61	300	6/19/24 21:18		CMR
Hexachlorobutadiene	ND	15		ND	160	300	6/19/24 21:18		CMR

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 6/13/2024
Field Sample #: SVE Influent
Sample ID: 24F1832-02
Sample Matrix: Soil Gas
Sampled: 6/11/2024 10:56

Sample Description/Location:
Sub Description/Location:
Canister ID: 1364
Canister Size: 3 liter
Flow Controller ID: 4107
Sample Type: 15 min

Work Order: 24F1832
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -8.1
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	
	Results	RL		Results	RL		Analyzed	Analyst
Hexane	ND	600		ND	2100	300	6/19/24 21:18	CMR
2-Hexanone (MBK)	ND	15		ND	61	300	6/19/24 21:18	CMR
Isopropanol	ND	600		ND	1500	300	6/19/24 21:18	CMR
Methyl tert-Butyl Ether (MTBE)	ND	15		ND	54	300	6/19/24 21:18	CMR
Methylene Chloride	ND	150		ND	520	300	6/19/24 21:18	CMR
4-Methyl-2-pentanone (MIBK)	ND	15		ND	61	300	6/19/24 21:18	CMR
Naphthalene	ND	15		ND	79	300	6/19/24 21:18	CMR
Propene	ND	600		ND	1000	300	6/19/24 21:18	CMR
Styrene	ND	15		ND	64	300	6/19/24 21:18	CMR
1,1,2,2-Tetrachloroethane	ND	15		ND	100	300	6/19/24 21:18	CMR
Tetrachloroethylene	3100	15		21000	100	300	6/19/24 21:18	CMR
Tetrahydrofuran	ND	150	V-05	ND	440	300	6/19/24 21:18	CMR
Toluene	ND	15		ND	57	300	6/19/24 21:18	CMR
1,2,4-Trichlorobenzene	ND	15		ND	110	300	6/19/24 21:18	CMR
1,1,1-Trichloroethane	ND	15		ND	82	300	6/19/24 21:18	CMR
1,1,2-Trichloroethane	ND	15		ND	82	300	6/19/24 21:18	CMR
Trichloroethylene	150	15		790	81	300	6/19/24 21:18	CMR
Trichlorofluoromethane (Freon 11)	ND	60		ND	340	300	6/19/24 21:18	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	60		ND	460	300	6/19/24 21:18	CMR
1,2,4-Trimethylbenzene	ND	15		ND	74	300	6/19/24 21:18	CMR
1,3,5-Trimethylbenzene	ND	15		ND	74	300	6/19/24 21:18	CMR
Vinyl Acetate	ND	300		ND	1100	300	6/19/24 21:18	CMR
Vinyl Chloride	ND	15		ND	38	300	6/19/24 21:18	CMR
m&p-Xylene	ND	30		ND	130	300	6/19/24 21:18	CMR
o-Xylene	ND	15		ND	65	300	6/19/24 21:18	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	87.0	70-130	6/19/24 21:18

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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
24F1832-01 [SVE Effluent]	B378290	1.5	1	N/A	1000	200	75	06/19/24
24F1832-02 [SVE Influent]	B378290	1.5	200	5	1000	200	200	06/19/24

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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	%REC	Limits	RPD	

Batch B378290 - TO-15 Prep
Blank (B378290-BLK1)

Prepared & Analyzed: 06/19/24

Acetone	ND	1.4
Benzene	ND	0.034
Benzyl chloride	ND	0.034
Bromodichloromethane	ND	0.034
Bromoform	ND	0.034
Bromomethane	ND	0.034
1,3-Butadiene	ND	0.034
2-Butanone (MEK)	ND	1.4
Carbon Disulfide	ND	0.34
Carbon Tetrachloride	ND	0.034
Chlorobenzene	ND	0.034
Chloroethane	ND	0.034
Chloroform	ND	0.034
Chloromethane	ND	0.069
Cyclohexane	ND	0.034
Dibromochloromethane	ND	0.034
1,2-Dibromoethane (EDB)	ND	0.034
1,2-Dichlorobenzene	ND	0.034
1,3-Dichlorobenzene	ND	0.034
1,4-Dichlorobenzene	ND	0.034
Dichlorodifluoromethane (Freon 12)	ND	0.034
1,1-Dichloroethane	ND	0.034
1,2-Dichloroethane	ND	0.034
1,1-Dichloroethylene	ND	0.034
cis-1,2-Dichloroethylene	ND	0.034
trans-1,2-Dichloroethylene	ND	0.034
1,2-Dichloropropane	ND	0.034
cis-1,3-Dichloropropene	ND	0.034
trans-1,3-Dichloropropene	ND	0.034
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.034
1,4-Dioxane	ND	0.34
Ethanol	ND	1.4
Ethyl Acetate	ND	0.34
Ethylbenzene	ND	0.034
4-Ethyltoluene	ND	0.034
Heptane	ND	0.034
Hexachlorobutadiene	ND	0.034
Hexane	ND	1.4
2-Hexanone (MBK)	ND	0.034
Isopropanol	ND	1.4
Methyl tert-Butyl Ether (MTBE)	ND	0.034
Methylene Chloride	ND	0.34
4-Methyl-2-pentanone (MIBK)	ND	0.034
Naphthalene	ND	0.034
Propene	ND	1.4
Styrene	ND	0.034

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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 B378290 - TO-15 Prep										
Blank (B378290-BLK1)					Prepared & Analyzed: 06/19/24					
1,1,2,2-Tetrachloroethane	ND	0.034								V-05
Tetrachloroethylene	ND	0.034								
Tetrahydrofuran	ND	0.34								
Toluene	ND	0.034								
1,2,4-Trichlorobenzene	ND	0.034								
1,1,1-Trichloroethane	ND	0.034								
1,1,2-Trichloroethane	ND	0.034								
Trichloroethylene	ND	0.034								
Trichlorofluoromethane (Freon 11)	ND	0.14								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14								
1,2,4-Trimethylbenzene	ND	0.034								
1,3,5-Trimethylbenzene	ND	0.034								
Vinyl Acetate	ND	0.69								
Vinyl Chloride	ND	0.034								
m&p-Xylene	ND	0.069								
o-Xylene	ND	0.034								
Surrogate: 4-Bromofluorobenzene (1)	7.29				8.00		91.1	70-130		
LCS (B378290-BS1)					Prepared & Analyzed: 06/19/24					
Acetone	4.38				5.00		87.7	70-130		V-20
Benzene	4.91				5.00		98.3	70-130		
Benzyl chloride	5.44				5.00		109	70-130		
Bromodichloromethane	4.92				5.00		98.5	70-130		
Bromoform	5.23				5.00		105	70-130		
Bromomethane	6.09				5.00		122	70-130		
1,3-Butadiene	4.96				5.00		99.2	70-130		
2-Butanone (MEK)	4.48				5.00		89.6	70-130		
Carbon Disulfide	6.05				5.00		121	70-130		
Carbon Tetrachloride	3.81				5.00		76.2	70-130		
Chlorobenzene	5.52				5.00		110	70-130		
Chloroethane	5.15				5.00		103	70-130		
Chloroform	6.28				5.00		126	70-130		
Chloromethane	4.77				5.00		95.4	70-130		
Cyclohexane	4.46				5.00		89.2	70-130		
Dibromochloromethane	5.43				5.00		109	70-130		
1,2-Dibromoethane (EDB)	5.42				5.00		108	70-130		
1,2-Dichlorobenzene	5.37				5.00		107	70-130		
1,3-Dichlorobenzene	6.26				5.00		125	70-130		
1,4-Dichlorobenzene	6.13				5.00		123	70-130		
Dichlorodifluoromethane (Freon 12)	6.04				5.00		121	70-130		
1,1-Dichloroethane	4.93				5.00		98.7	70-130		
1,2-Dichloroethane	5.38				5.00		108	70-130		
1,1-Dichloroethylene	5.65				5.00		113	70-130		
cis-1,2-Dichloroethylene	5.43				5.00		109	70-130		
trans-1,2-Dichloroethylene	4.88				5.00		97.6	70-130		
1,2-Dichloropropane	5.09				5.00		102	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			
Batch B378290 - TO-15 Prep											
LCS (B378290-BS1)					Prepared & Analyzed: 06/19/24						
cis-1,3-Dichloropropene	4.98				5.00		99.6	70-130			
trans-1,3-Dichloropropene	4.84				5.00		96.7	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.62				5.00		112	70-130			
1,4-Dioxane	5.08				5.00		102	70-130			
Ethanol	5.18				5.00		104	70-130			
Ethyl Acetate	4.38				5.00		87.6	70-130			
Ethylbenzene	5.06				5.00		101	70-130			
4-Ethyltoluene	4.94				5.00		98.8	70-130			
Heptane	4.50				5.00		90.0	70-130			
Hexachlorobutadiene	5.24				5.00		105	70-130			
Hexane	4.29				5.00		85.8	70-130			
2-Hexanone (MBK)	4.57				5.00		91.4	70-130			
Isopropanol	4.64				5.00		92.9	70-130			
Methyl tert-Butyl Ether (MTBE)	4.92				5.00		98.4	70-130			
Methylene Chloride	4.88				5.00		97.5	70-130			
4-Methyl-2-pentanone (MIBK)	4.81				5.00		96.2	70-130			
Naphthalene	4.14				5.00		82.9	70-130			
Propene	5.65				5.00		113	70-130			
Styrene	5.32				5.00		106	70-130			
1,1,2,2-Tetrachloroethane	5.86				5.00		117	70-130			
Tetrachloroethylene	5.58				5.00		112	70-130			
Tetrahydrofuran	3.96				5.00		79.2	70-130			V-05
Toluene	5.20				5.00		104	70-130			
1,2,4-Trichlorobenzene	4.52				5.00		90.3	70-130			
1,1,1-Trichloroethane	4.92				5.00		98.4	70-130			
1,1,2-Trichloroethane	6.04				5.00		121	70-130			
Trichloroethylene	4.86				5.00		97.2	70-130			
Trichlorofluoromethane (Freon 11)	6.08				5.00		122	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.02				5.00		120	70-130			
1,2,4-Trimethylbenzene	5.03				5.00		101	70-130			
1,3,5-Trimethylbenzene	5.43				5.00		109	70-130			
Vinyl Acetate	4.55				5.00		91.0	70-130			
Vinyl Chloride	5.43				5.00		109	70-130			
m&p-Xylene	11.0				10.0		110	70-130			
o-Xylene	5.56				5.00		111	70-130			
Surrogate: 4-Bromofluorobenzene (1)	8.13				8.00		102	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		Limit	
Batch B378290 - TO-15 Prep											
Duplicate (B378290-DUP1)		Source: 24F1832-01				Prepared & Analyzed: 06/19/24					
Acetone	ND	8.0	ND	19		ND				25	
Benzene	ND	0.20	ND	0.64		ND				25	
Benzyl chloride	ND	0.20	ND	1.0		ND				25	
Bromodichloromethane	ND	0.20	ND	1.3		ND				25	
Bromoform	ND	0.20	ND	2.1		ND				25	
Bromomethane	ND	0.20	ND	0.78		ND				25	
1,3-Butadiene	ND	0.20	ND	0.44		ND				25	
2-Butanone (MEK)	ND	8.0	ND	24		ND				25	
Carbon Disulfide	ND	2.0	ND	6.2		ND				25	
Carbon Tetrachloride	ND	0.20	ND	1.3		ND				25	
Chlorobenzene	ND	0.20	ND	0.92		ND				25	
Chloroethane	ND	0.20	ND	0.53		ND				25	
Chloroform	ND	0.20	ND	0.98		ND				25	
Chloromethane	ND	0.40	ND	0.83		ND				25	
Cyclohexane	0.21	0.20	0.72	0.69		ND				25	
Dibromochloromethane	ND	0.20	ND	1.7		ND				25	
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5		ND				25	
1,2-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
1,3-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
1,4-Dichlorobenzene	ND	0.20	ND	1.2		ND				25	
Dichlorodifluoromethane (Freon 12)	0.68	0.20	3.4	0.99		0.68			0.590	25	
1,1-Dichloroethane	ND	0.20	ND	0.81		ND				25	
1,2-Dichloroethane	ND	0.20	ND	0.81		ND				25	
1,1-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
cis-1,2-Dichloroethylene	3.3	0.20	13	0.79		3.6			9.97	25	
trans-1,2-Dichloroethylene	ND	0.20	ND	0.79		ND				25	
1,2-Dichloropropane	ND	0.20	ND	0.92		ND				25	
cis-1,3-Dichloropropene	ND	0.20	ND	0.91		ND				25	
trans-1,3-Dichloropropene	ND	0.20	ND	0.91		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20	ND	1.4		ND				25	
1,4-Dioxane	ND	2.0	ND	7.2		ND				25	
Ethanol	ND	8.0	ND	15		ND				25	
Ethyl Acetate	ND	2.0	ND	7.2		ND				25	
Ethylbenzene	ND	0.20	ND	0.87		ND				25	
4-Ethyltoluene	ND	0.20	ND	0.98		ND				25	
Heptane	ND	0.20	ND	0.82		ND				25	
Hexachlorobutadiene	ND	0.20	ND	2.1		ND				25	
Hexane	ND	8.0	ND	28		ND				25	
2-Hexanone (MBK)	ND	0.20	ND	0.82		ND				25	
Isopropanol	ND	8.0	ND	20		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.20	ND	0.72		ND				25	
Methylene Chloride	ND	2.0	ND	6.9		ND				25	
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82		ND				25	
Naphthalene	ND	0.20	ND	1.0		ND				25	
Propene	ND	8.0	ND	14		ND				25	
Styrene	ND	0.20	ND	0.85		ND				25	

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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 B378290 - TO-15 Prep											
Duplicate (B378290-DUP1)	Source: 24F1832-01				Prepared & Analyzed: 06/19/24						
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4		ND				25	
Tetrachloroethylene	0.60	0.20	4.0	1.4		0.53			11.3	25	
Tetrahydrofuran	ND	2.0	ND	5.9		ND				25	V-05
Toluene	0.56	0.20	2.1	0.75		0.58			4.20	25	
1,2,4-Trichlorobenzene	ND	0.20	ND	1.5		ND				25	
1,1,1-Trichloroethane	ND	0.20	ND	1.1		ND				25	
1,1,2-Trichloroethane	ND	0.20	ND	1.1		ND				25	
Trichloroethylene	0.34	0.20	1.8	1.1		0.39			14.4	25	
Trichlorofluoromethane (Freon 11)	0.27	0.80	1.5	4.5		0.24			12.5	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80	ND	6.1		ND				25	
1,2,4-Trimethylbenzene	ND	0.20	ND	0.98		ND				25	
1,3,5-Trimethylbenzene	ND	0.20	ND	0.98		ND				25	
Vinyl Acetate	ND	4.0	ND	14		ND				25	
Vinyl Chloride	ND	0.20	ND	0.51		ND				25	
m&p-Xylene	ND	0.40	ND	1.7		ND				25	
o-Xylene	ND	0.20	ND	0.87		ND				25	
Surrogate: 4-Bromofluorobenzene (1)	6.99				8.00		87.4	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.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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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 (S091464-ICV1)			Lab File ID: L23A214020.D			Analyzed: 08/02/23 23:42			
Bromochloromethane (1)	300782	2.867	314027	2.871	96	60 - 140	-0.0040	+/-0.50	
1,4-Difluorobenzene (1)	878479	3.54	895773	3.54	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	823159	5.202	837397	5.202	98	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 (S106466-CCV1)			Lab File ID: L24A171003.D			Analyzed: 06/19/24 11:38			
Bromochloromethane (1)	286572	2.865				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	943054	3.538				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	811306	5.196				60 - 140		+/-0.50	
LCS (B378290-BS1)			Lab File ID: L24A171004.D			Analyzed: 06/19/24 12:05			
Bromochloromethane (1)	281539	2.865	286572	2.865	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	929608	3.539	943054	3.538	99	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	798578	5.196	811306	5.196	98	60 - 140	0.0000	+/-0.50	
Blank (B378290-BLK1)			Lab File ID: L24A171007.D			Analyzed: 06/19/24 13:31			
Bromochloromethane (1)	268444	2.868	286572	2.865	94	60 - 140	0.0030	+/-0.50	
1,4-Difluorobenzene (1)	778199	3.536	943054	3.538	83	60 - 140	-0.0020	+/-0.50	
Chlorobenzene-d5 (1)	735088	5.198	811306	5.196	91	60 - 140	0.0020	+/-0.50	
SVE Effluent (24F1832-01)			Lab File ID: L24A171017.D			Analyzed: 06/19/24 20:20			
Bromochloromethane (1)	285028	2.87	286572	2.865	99	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	842701	3.538	943054	3.538	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	806235	5.195	811306	5.196	99	60 - 140	-0.0010	+/-0.50	
Duplicate (B378290-DUP1)			Lab File ID: L24A171018.D			Analyzed: 06/19/24 20:48			
Bromochloromethane (1)	283572	2.869	286572	2.865	99	60 - 140	0.0040	+/-0.50	
1,4-Difluorobenzene (1)	809499	3.537	943054	3.538	86	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	753927	5.199	811306	5.196	93	60 - 140	0.0030	+/-0.50	
SVE Influent (24F1832-02)			Lab File ID: L24A171019.D			Analyzed: 06/19/24 21:18			
Bromochloromethane (1)	266284	2.863	286572	2.865	93	60 - 140	-0.0020	+/-0.50	
1,4-Difluorobenzene (1)	763132	3.537	943054	3.538	81	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	738761	5.199	811306	5.196	91	60 - 140	0.0030	+/-0.50	

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S106466-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.40	1.122255	0.9878425		-12.0	30
Benzene	A	5.00	5.01	0.7254293	0.7270404		0.2	30
Benzyl chloride	A	5.00	5.86	0.65192	0.7634229		17.1	30
Bromodichloromethane	A	5.00	5.37	0.5567047	0.5975734		7.3	30
Bromoform	A	5.00	6.43	0.4926101	0.6335385		28.6	30
Bromomethane	A	5.00	6.08	0.6308676	0.7676619		21.7	30
1,3-Butadiene	A	5.00	4.97	0.551149	0.5483132		-0.5	30
2-Butanone (MEK)	A	5.00	4.38	1.381604	1.209034		-12.5	30
Carbon Disulfide	A	5.00	5.99	2.063757	2.472906		19.8	30
Carbon Tetrachloride	A	5.00	5.63	0.5110368	0.575492		12.6	30
Chlorobenzene	A	5.00	5.60	0.7219812	0.8085157		12.0	30
Chloroethane	A	5.00	5.06	0.411751	0.4167944		1.2	30
Chloroform	A	5.00	6.34	1.439332	1.825507		26.8	30
Chloromethane	A	5.00	4.76	0.6101459	0.5803721		-4.9	30
Cyclohexane	A	5.00	4.37	0.3030286	0.2646652		-12.7	30
Dibromochloromethane	A	5.00	6.10	0.5644122	0.6888626		22.0	30
1,2-Dibromoethane (EDB)	A	5.00	5.72	0.5076449	0.5807624		14.4	30
1,2-Dichlorobenzene	A	5.00	5.67	0.6234765	0.7066039		13.3	30
1,3-Dichlorobenzene	A	5.00	6.52	0.6267236	0.8173449		30.4	30 *
1,4-Dichlorobenzene	A	5.00	6.47	0.5801365	0.7511484		29.5	30
Dichlorodifluoromethane (Freon 12)	A	5.00	6.21	1.768079	2.195313		24.2	30
1,1-Dichloroethane	A	5.00	5.07	1.392824	1.411582		1.3	30
1,2-Dichloroethane	A	5.00	5.33	0.9772927	1.041324		6.6	30
1,1-Dichloroethylene	A	5.00	5.63	1.127187	1.269729		12.6	30
cis-1,2-Dichloroethylene	A	5.00	5.49	0.908952	0.9976802		9.8	30
trans-1,2-Dichloroethylene	A	5.00	4.97	1.128232	1.121572		-0.6	30
1,2-Dichloropropane	A	5.00	5.29	0.2601948	0.275376		5.8	30
cis-1,3-Dichloropropene	A	5.00	5.48	0.3962271	0.4346865		9.7	30
trans-1,3-Dichloropropene	A	5.00	4.68	0.3522842	0.3300698		-6.3	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	6.02	1.784687	2.1501		20.5	30
1,4-Dioxane	A	5.00	4.78	0.1742852	0.166555		-4.4	30
Ethanol	A	5.00	4.98	0.1732414	0.1725053		-0.4	30
Ethyl Acetate	A	5.00	4.32	0.2390169	0.2067585		-13.5	30
Ethylbenzene	A	5.00	5.28	1.176902	1.243293		5.6	30
4-Ethyltoluene	A	5.00	4.95	1.247069	1.235221		-1.0	30
Heptane	A	5.00	4.61	0.2286847	0.2106755		-7.9	30
Hexachlorobutadiene	A	5.00	5.95	0.4755616	0.5656539		18.9	30
Hexane	A	5.00	4.27	0.7442178	0.6352219		-14.6	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S106466-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	4.39	0.5993899	0.525807		-12.3	30
Isopropanol	A	5.00	5.03	1.180699	1.188002		0.6	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.00	2.130891	2.129715		-0.06	30
Methylene Chloride	A	5.00	4.78	0.8716214	0.8335274		-4.4	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.67	0.2414371	0.2256685		-6.5	30
Naphthalene	A	5.00	5.07	0.954618	0.9688359		1.5	30
Propene	A	5.00	5.66	0.4075236	0.461036		13.1	30
Styrene	A	5.00	5.35	0.6680173	0.7153069		7.1	30
1,1,2,2-Tetrachloroethane	A	5.00	6.42	0.6838293	0.8786505		28.5	30
Tetrachloroethylene	A	5.00	5.77	0.4174566	0.4820573		15.5	30
Tetrahydrofuran	A	5.00	3.49	0.9111963	0.6358919		-30.2	30 *
Toluene	A	5.00	5.32	0.9385805	0.9982423		6.4	30
1,2,4-Trichlorobenzene	A	5.00	5.30	0.3693275	0.391866		6.1	30
1,1,1-Trichloroethane	A	5.00	5.28	0.5075792	0.5364868		5.7	30
1,1,2-Trichloroethane	A	5.00	6.29	0.309655	0.389598		25.8	30
Trichloroethylene	A	5.00	4.95	0.3356598	0.332423		-1.0	30
Trichlorofluoromethane (Freon 11)	A	5.00	6.10	1.816743	2.214988		21.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	6.26	1.436582	1.798104		25.2	30
1,2,4-Trimethylbenzene	A	5.00	5.50	1.021302	1.123338		10.0	30
1,3,5-Trimethylbenzene	A	5.00	5.75	1.055296	1.2135		15.0	30
Vinyl Acetate	A	5.00	5.35	1.463541	1.566327		7.0	30
Vinyl Chloride	A	5.00	5.52	0.7105757	0.784607		10.4	30
m&p-Xylene	A	10.0	11.5	0.9711506	1.115999		14.9	30
o-Xylene	A	5.00	5.77	0.9550518	1.102243		15.4	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	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
FL	Florida Department of Health	E871027 NELAP	06/30/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

CHAIN OF CUSTODY RECORD (AIR)

[illegible]

Comments: Both samples collected on 6/11/24.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:



Pace Analytical®

Relinquished by: (signature)		Date/Time:	Detection Limit Requirements		Special Requirements	
			MA		☐ MA MCP Required	
[Signature]		6/11/30			☐	
Received by: (signature)		Date/Time:			MCP Certification Form Required	
[Signature]		6/12/24 10:55				
Relinquished by: (signature)		Date/Time:	CT		☐ CT RCP Required	
[Signature]		6/12/24 12:48			RCP Certification Form Required	
Received by: (signature)		Date/Time:	Other:			Other
[Signature]		6/12/24 16:45				
Relinquished by: (signature)		Date/Time:	Project Entity			
[Signature]		6/12/24	☐ Government	☐ Municipality	☐ MWRA	
Received by: (signature)		Date/Time:	☐ Federal	☐ 21 J	☐ School	
[Signature]		6/12/24 21:00	☐ City	☐ Brownfield	☐ MBTA	

8E80 17-11-9 *John F. ...*

AAL 6/13/24 08:38

De! wT

AAL 6/13/24 0620

[Signature]

01324 0010

Ch-Ch AEC

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

Log In Back-Sheet

Client Enviro trac
 Project Frost St 001
 MCP/RCP Required —
 Deliverable Package Requirement —
 Location Westbury, NY
 PWSID# (When Applicable) —
 Arrival Method Courier
 Received By / Date / Time TPH 6-13-24 0838
 Back-Sheet By / Date / Time TPH 6-13-24 0930
 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:

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

	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	15m	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 2280	6	11	16	1 4172	6	11	16
2 1364	7	12	17	2 4107	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

Appendix C
Groundwater Extraction Well Sampling
Quarterly Results



Monday, July 08, 2024

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

Project ID: FROST STREET-OU2
SDG ID: GCR07990
Sample ID#s: CR07990 - CR07994

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

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

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

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

Sincerely yours,

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

Phyllis Shiller

Laboratory Director

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

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



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



Sample Id Cross Reference

July 08, 2024

SDG I.D.: GCR07990

Project ID: FROST STREET-OU2

Client Id	Lab Id	Matrix
EX-1A	CR07990	GROUND WATER
EX-1B	CR07991	GROUND WATER
EX-1C	CR07992	GROUND WATER
EX-1D	CR07993	GROUND WATER
TRIP BLANK	CR07994	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

July 08, 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:
Received by: CP
Analyzed by: see "By" below

Date

06/28/24
06/28/24

Time

9:40
19:32

Laboratory Data

SDG ID: GCR07990
Phoenix ID: CR07990

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	07/01/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	07/01/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
cis-1,2-Dichloroethene	1.4	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/01/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	07/01/24	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	07/01/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	07/01/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	07/01/24	MH	E624.1
Tetrachloroethene	24	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/01/24	MH	E624.1
Trichloroethene	2.3	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	07/01/24	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	07/01/24	MH	70 - 130 %
% Dibromofluoromethane	93			%	1	07/01/24	MH	70 - 130 %
% Toluene-d8	102			%	1	07/01/24	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:

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Phyllis Shiller, Laboratory Director

July 08, 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

July 08, 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:
Received by: CP
Analyzed by: see "By" below

Date

06/28/24
06/28/24

Time

9:30
19:32

Laboratory Data

SDG ID: GCR07990
Phoenix ID: CR07991

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	07/01/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	07/01/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
cis-1,2-Dichloroethene	17	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/01/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	07/01/24	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	07/01/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	07/01/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	07/01/24	MH	E624.1
Tetrachloroethene	93	2.5	1.3	ug/L	5	07/02/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/01/24	MH	E624.1
Trichloroethene	6.3	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	07/01/24	MH	70 - 130 %
% Bromofluorobenzene	94			%	1	07/01/24	MH	70 - 130 %
% Dibromofluoromethane	95			%	1	07/01/24	MH	70 - 130 %
% Toluene-d8	100			%	1	07/01/24	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	99			%	5	07/02/24	MH	70 - 130 %
% Bromofluorobenzene (5x)	94			%	5	07/02/24	MH	70 - 130 %
% Dibromofluoromethane (5x)	89			%	5	07/02/24	MH	70 - 130 %
% Toluene-d8 (5x)	99			%	5	07/02/24	MH	70 - 130 %

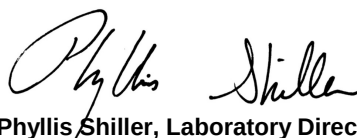
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL

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:

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Phyllis Shiller, Laboratory Director

July 08, 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

July 08, 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:
Received by: CP
Analyzed by: see "By" below

Date

06/28/24
06/28/24

Time

9:33
19:32

Laboratory Data

SDG ID: GCR07990
Phoenix ID: CR07992

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1-Dichloroethene	0.83	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	07/01/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
cis-1,2-Dichloroethene	0.88	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/01/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	07/01/24	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	07/01/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	07/01/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	07/01/24	MH	E624.1
Tetrachloroethene	24	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/01/24	MH	E624.1
Trichloroethene	2.4	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	07/01/24	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	07/01/24	MH	70 - 130 %
% Dibromofluoromethane	95			%	1	07/01/24	MH	70 - 130 %
% Toluene-d8	101			%	1	07/01/24	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:

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Phyllis Shiller, Laboratory Director

July 08, 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

July 08, 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:
Received by: CP
Analyzed by: see "By" below

Date

06/28/24
06/28/24

Time

9:36
19:32

Laboratory Data

SDG ID: GCR07990
Phoenix ID: CR07993

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	1.2	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1-Dichloroethane	0.94	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,1-Dichloroethene	11	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	07/01/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Carbon tetrachloride	0.69	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloroform	1.9	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
cis-1,2-Dichloroethene	5.4	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/01/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	07/01/24	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	07/01/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	07/01/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	07/01/24	MH	E624.1
Tetrachloroethene	87	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/01/24	MH	E624.1
Trichloroethene	23	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	07/01/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	07/01/24	MH	70 - 130 %
% Bromofluorobenzene	92			%	1	07/01/24	MH	70 - 130 %
% Dibromofluoromethane	96			%	1	07/01/24	MH	70 - 130 %
% Toluene-d8	100			%	1	07/01/24	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:

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Phyllis Shiller, Laboratory Director

July 08, 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

July 08, 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:
Received by: CP
Analyzed by: see "By" below

Date

06/28/24

Time

19:32

Laboratory Data

SDG ID: GCR07990
Phoenix ID: CR07994

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Benzene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	07/01/24	HM	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/01/24	HM	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	07/01/24	HM	E624.1

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	07/01/24	HM	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	07/01/24	HM	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	07/01/24	HM	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Toluene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	07/01/24	HM	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	07/01/24	HM	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	07/01/24	HM	70 - 130 %
% Bromofluorobenzene	93			%	1	07/01/24	HM	70 - 130 %
% Dibromofluoromethane	93			%	1	07/01/24	HM	70 - 130 %
% Toluene-d8	100			%	1	07/01/24	HM	70 - 130 %

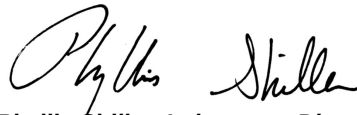
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

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

Comments:

TRIP BLANK INCLUDED.

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



Phyllis Shiller, Laboratory Director

July 08, 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

July 08, 2024

QA/QC Data

SDG I.D.: GCR07990

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 738669 (ug/L), QC Sample No: CR07990 (CR07990, CR07991, CR07992, CR07993, CR07994)										
Volatiles - Ground Water										
1,1,1-Trichloroethane	ND	1.0	98	99	1.0	99	102	3.0	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	120	119	0.8	121	120	0.8	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	106	105	0.9	101	104	2.9	71 - 129	20
1,1-Dichloroethane	ND	1.0	105	105	0.0	105	112	6.5	72 - 128	20
1,1-Dichloroethene	ND	1.0	105	102	2.9	103	111	7.5	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	109	106	2.8	103	106	2.9	63 - 137	20
1,2-Dichloroethane	ND	1.0	100	98	2.0	96	98	2.1	68 - 132	20
1,2-Dichloropropane	ND	1.0	105	105	0.0	103	105	1.9	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	107	107	0.0	105	106	0.9	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	108	106	1.9	104	105	1.0	63 - 137	20
Benzene	ND	0.70	110	107	2.8	107	109	1.9	64 - 136	20
Bromodichloromethane	ND	0.50	102	102	0.0	99	101	2.0	65 - 135	20
Bromoform	ND	1.0	101	99	2.0	93	93	0.0	71 - 129	20
Bromomethane	ND	1.0	124	118	5.0	105	124	16.6	40 - 160	20
Carbon Disulfide	ND	1.0	110	108	1.8	108	114	5.4	70 - 130	30
Carbon tetrachloride	ND	1.0	114	116	1.7	93	101	8.2	73 - 127	20
Chlorobenzene	ND	1.0	108	106	1.9	106	110	3.7	66 - 134	20
Chloroethane	ND	1.0	109	112	2.7	112	115	2.6	40 - 160	20
Chloroform	ND	1.0	102	99	3.0	102	105	2.9	67 - 133	20
Chloromethane	ND	1.0	112	115	2.6	110	119	7.9	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	115	107	7.2	108	115	6.3	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	110	108	1.8	103	106	2.9	40 - 160	20
Dibromochloromethane	ND	0.50	105	102	2.9	100	101	1.0	67 - 133	20
Ethylbenzene	ND	1.0	108	108	0.0	103	109	5.7	59 - 141	20
Isopropylbenzene	ND	1.0	115	114	0.9	111	113	1.8	70 - 130	30
m&p-Xylene	ND	1.0	110	110	0.0	109	112	2.7	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	100	99	1.0	98	102	4.0	70 - 130	30
Methylene chloride	ND	1.0	105	104	1.0	104	111	6.5	60 - 140	20
Naphthalene	ND	1.0	108	105	2.8	102	104	1.9	70 - 130	30
o-Xylene	ND	1.0	110	110	0.0	108	109	0.9	70 - 130	30
Tetrachloroethene	ND	1.0	101	100	1.0	93	96	3.2	73 - 127	20
Toluene	ND	1.0	109	109	0.0	106	108	1.9	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	107	105	1.9	106	113	6.4	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	106	103	2.9	97	100	3.0	50 - 150	20
Trichloroethene	ND	1.0	104	100	3.9	99	102	3.0	66 - 134	20
Trichlorofluoromethane	ND	1.0	99	98	1.0	98	100	2.0	48 - 152	20
Vinyl chloride	ND	1.0	117	116	0.9	117	123	5.0	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	101	101	0.0	101	100	1.0	70 - 130	30
% Bromofluorobenzene	93	%	98	99	1.0	98	98	0.0	70 - 130	30
% Dibromofluoromethane	91	%	93	89	4.4	90	93	3.3	70 - 130	30
% Toluene-d8	100	%	102	99	3.0	100	99	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GCR07990

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

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 738847 (ug/L), QC Sample No: CR08380 (CR07991 (5X))

Volatiles - Ground Water

Tetrachloroethene	ND	1.0	98	97	1.0	98	97	1.0	73 - 127	20
% 1,2-dichlorobenzene-d4	99	%	101	100	1.0	99	100	1.0	70 - 130	30
% Bromofluorobenzene	94	%	99	98	1.0	101	99	2.0	70 - 130	30
% Dibromofluoromethane	90	%	88	89	1.1	88	88	0.0	70 - 130	30
% Toluene-d8	99	%	101	100	1.0	101	100	1.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

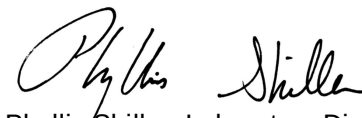
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

July 08, 2024

Monday, July 08, 2024

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCR07990 - 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

July 08, 2024

SDG I.D.: GCR07990

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

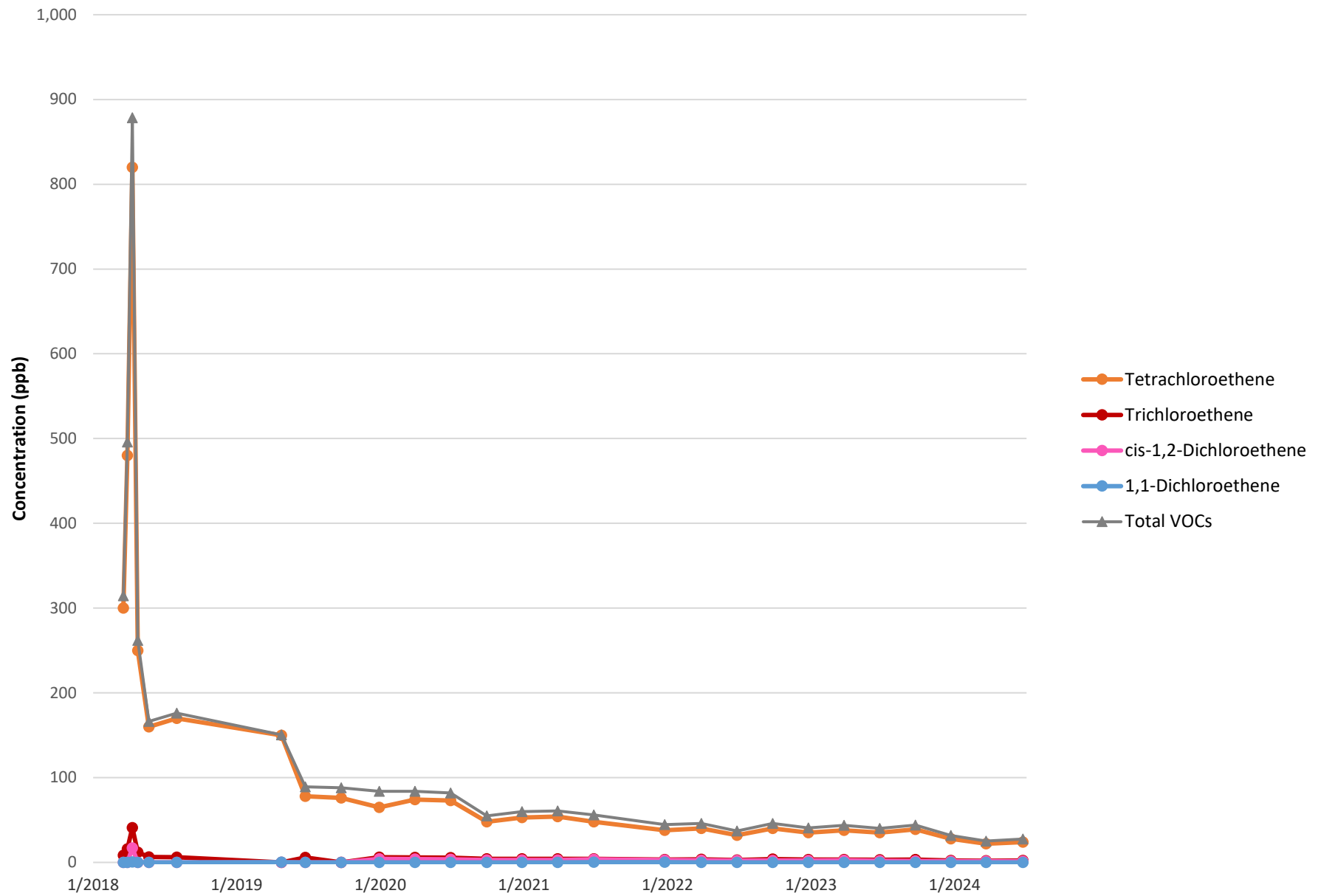
July 08, 2024

SDG I.D.: GCR07990

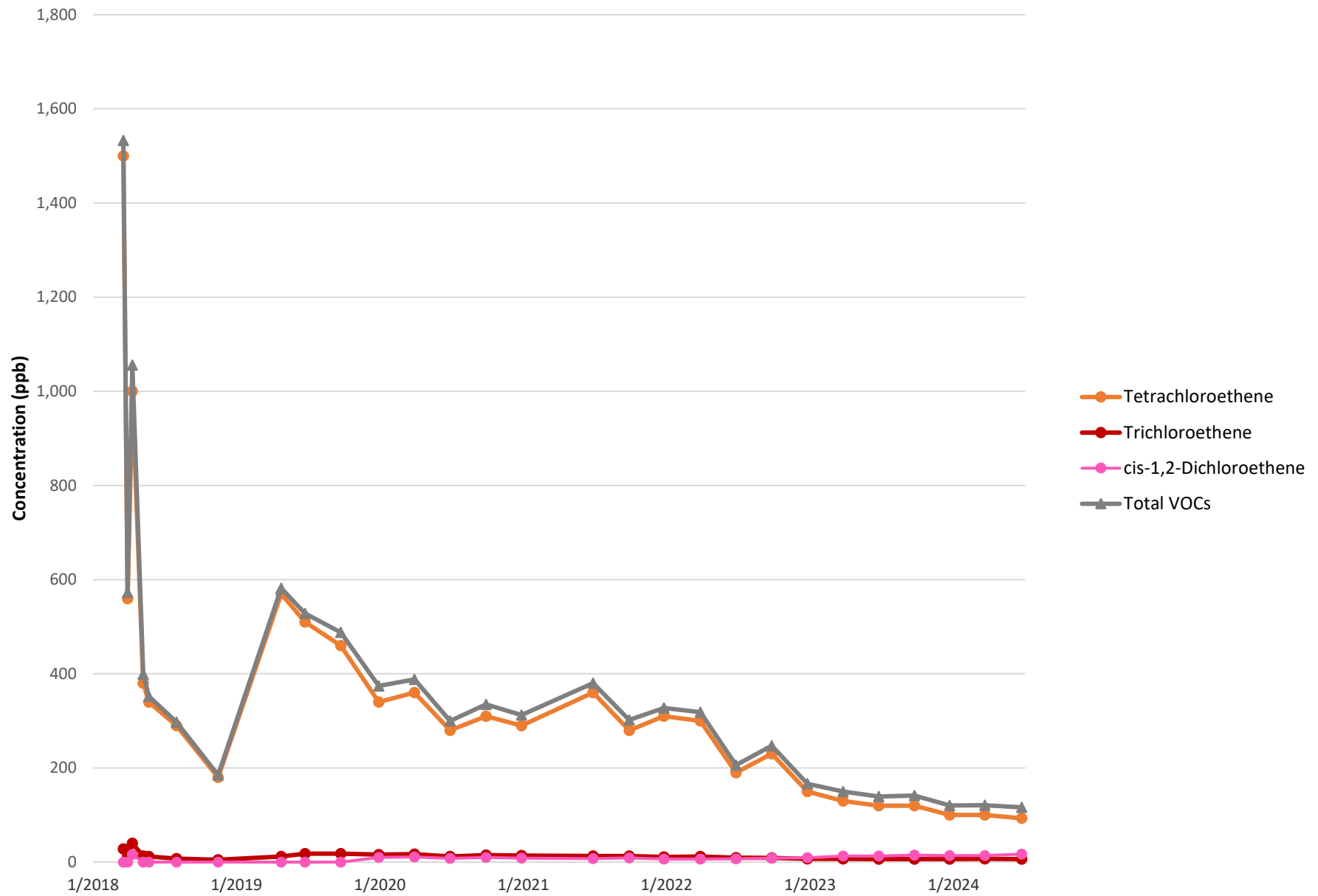
The samples in this delivery group were received at 1.5°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix D
Groundwater Extraction Well Sampling
Historical Results

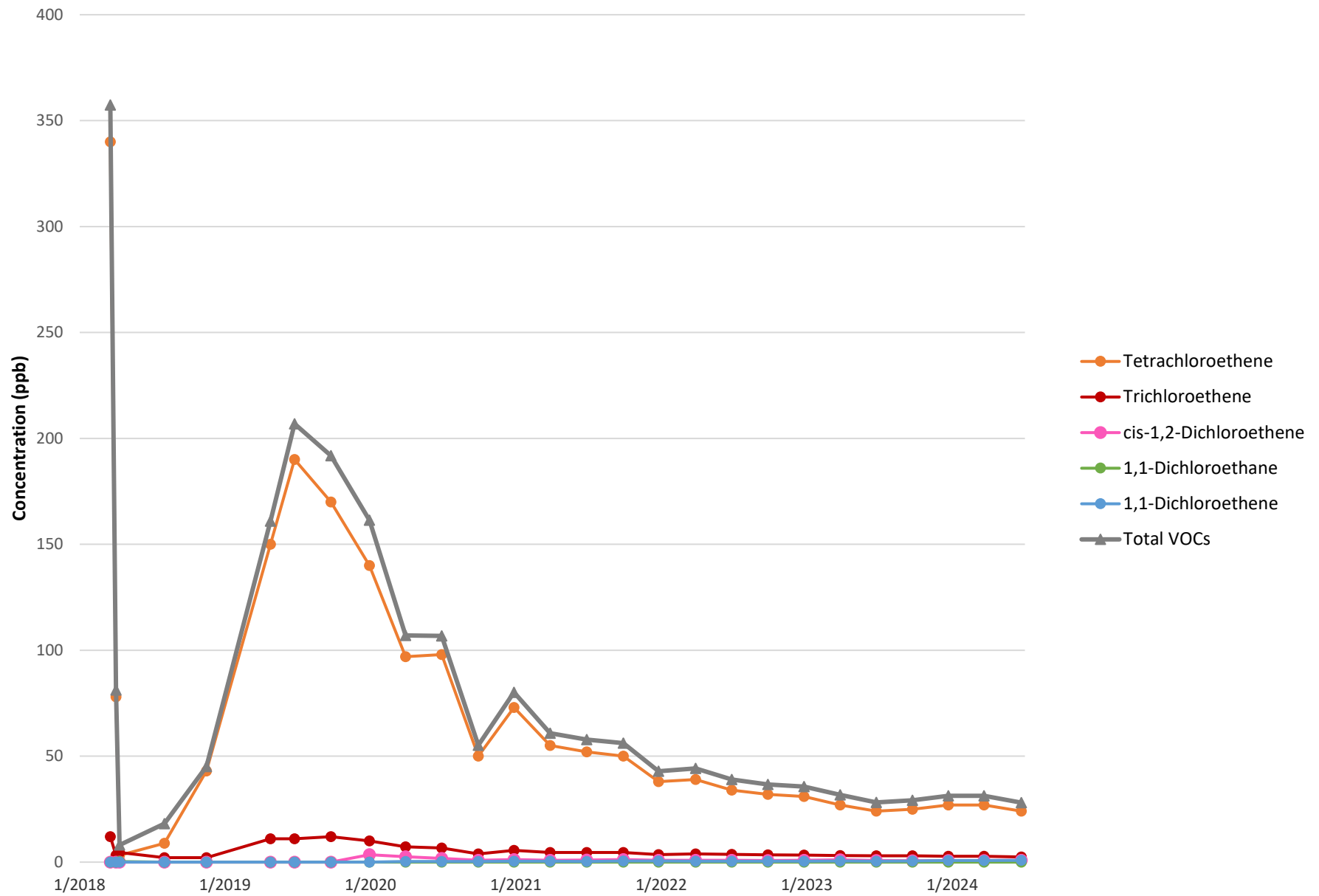
EX-1A



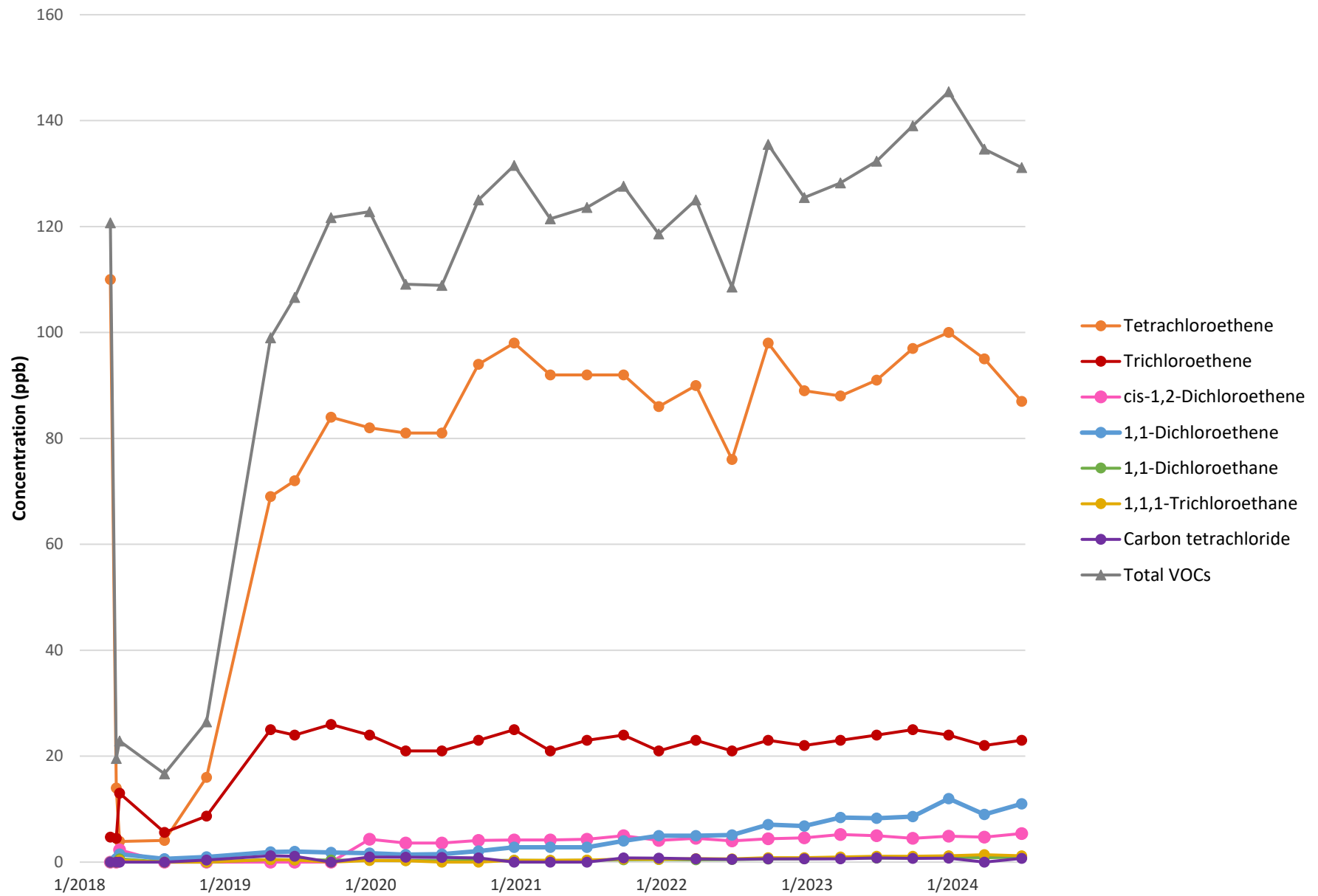
EX-1B



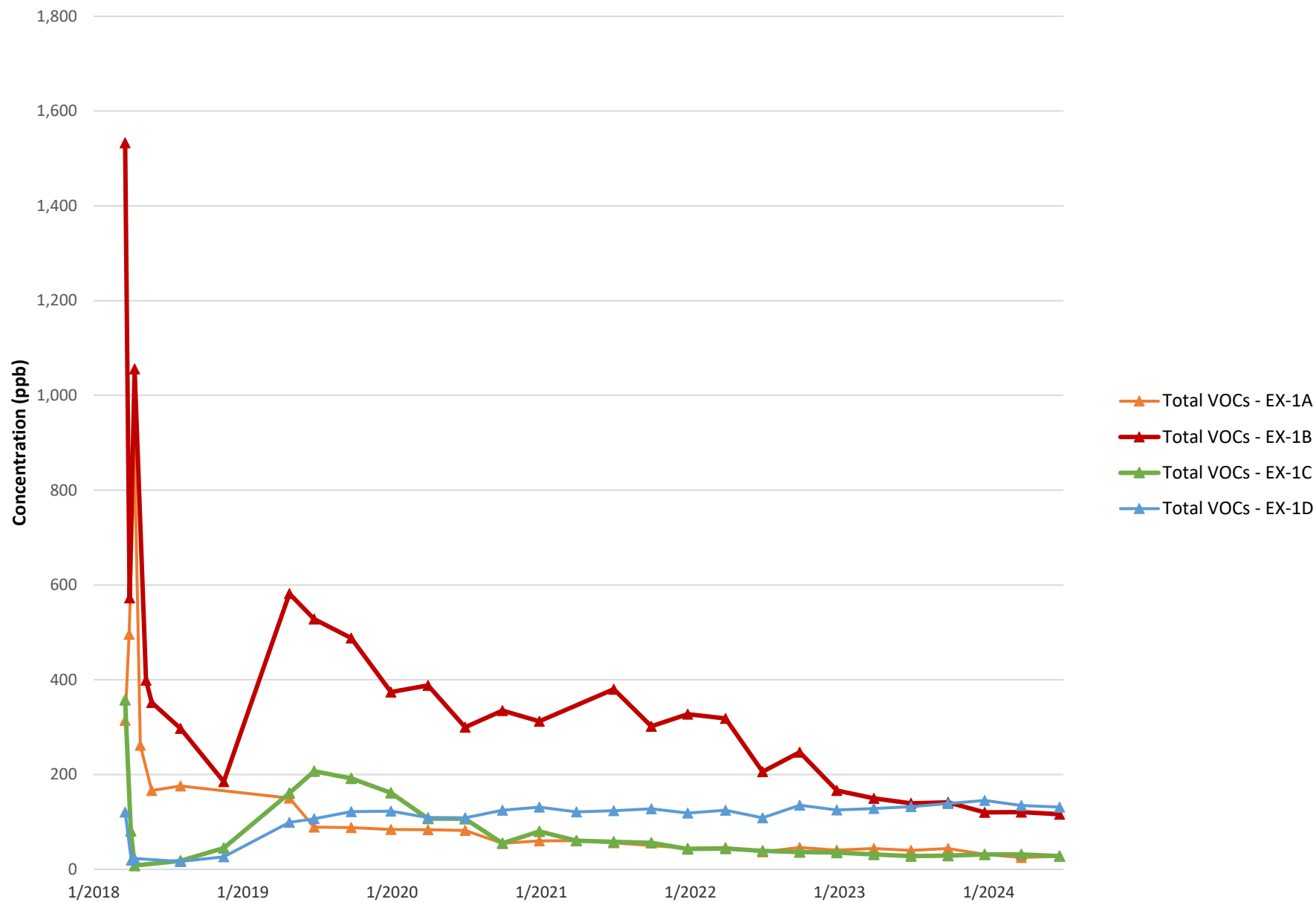
EX-1C



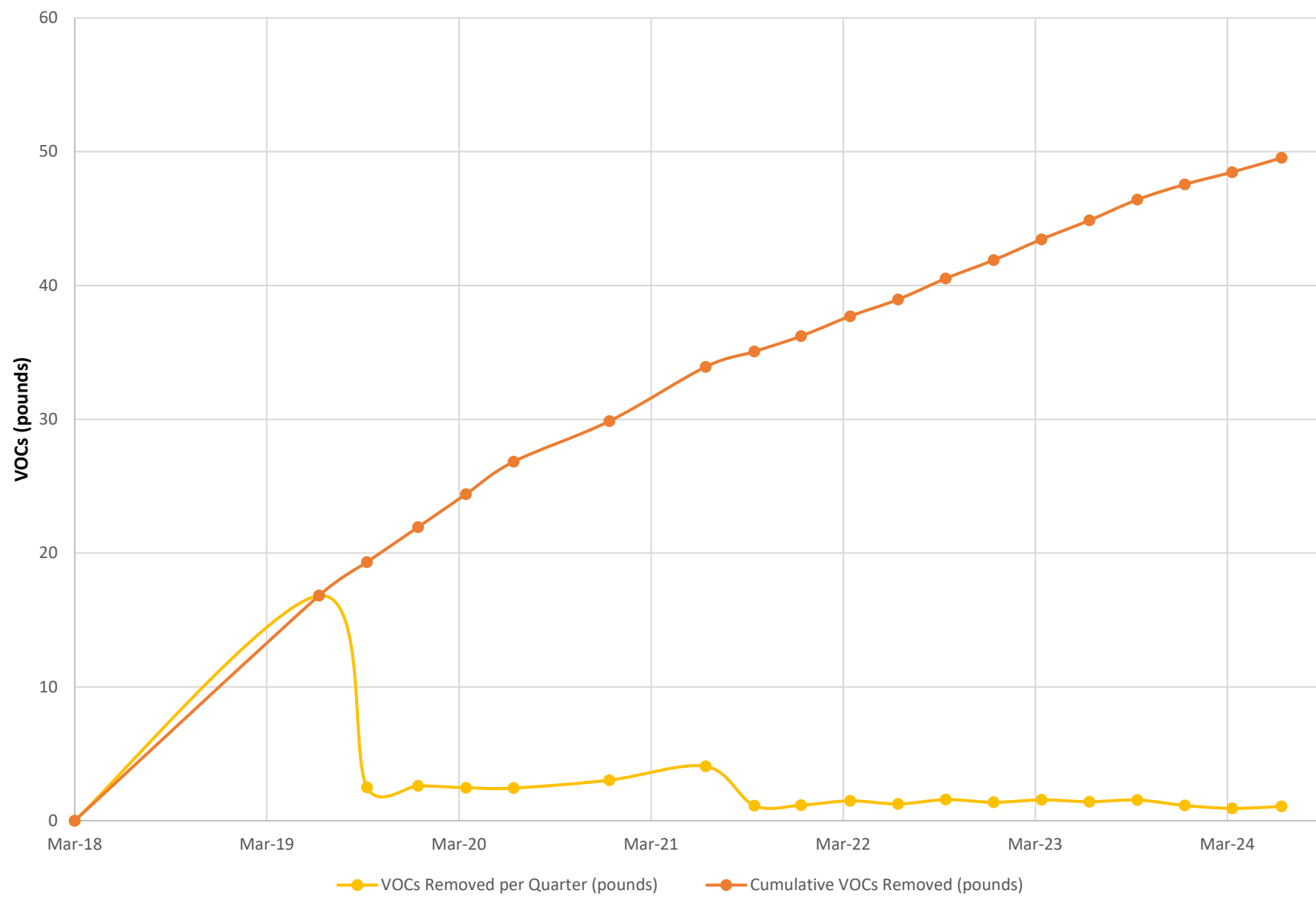
EX-1D



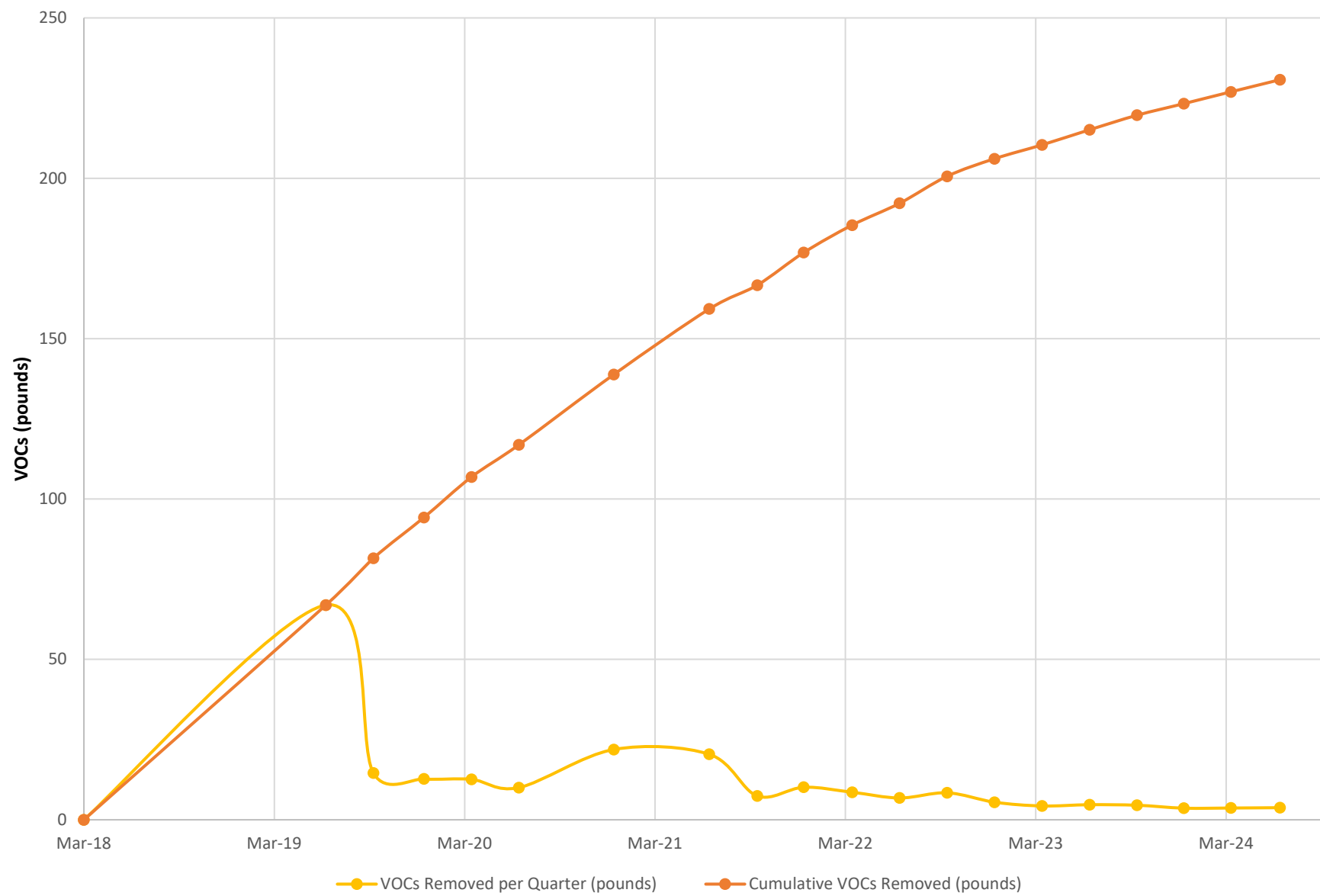
All Wells - Total VOCs



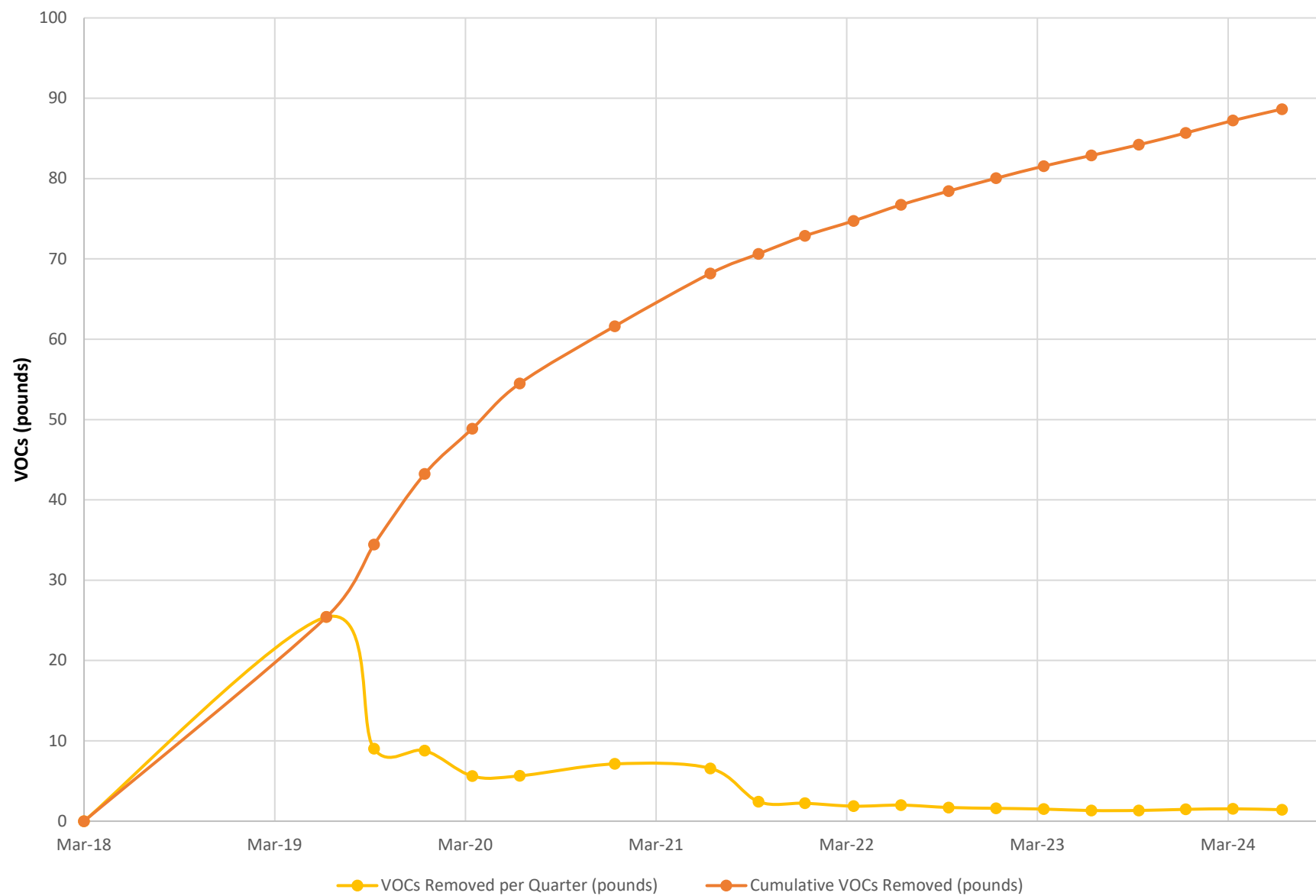
Mass Removal EX-1A



Mass Removal EX-1B



Mass Removal EX-1C



Mass Removal EX-1D

