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April 8, 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: March 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 March 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 March, no alarm calls were received.

- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on March 14 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 [21,190 µg/m^3]) 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 ($\mu g/m^3$)[2]**	**March 2024 Effluent Concentration ($\mu g/m^3$)**
Trichloroethene	500	19,000	6.7
Tetrachloroethene	1,000	38,000	41
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene[3]	100	3,800	ND

Notes:

ft/min cubic feet per minute

lbs/year pounds per year

$\mu g/m^3$ micrograms per cubic meter

1 Source of Mass Emission Limit: Part 212-2.2 Table 2 — High Toxicity Air Contaminant List

2 These limits were calculated based on Frost Street-specific system operations (i.e., flow rate) in order to remain below the annual HTAC emissions listed in Part 212-2.2 Table 2. Remaining below these concentrations ensures that annual emissions will not exceed the limit which demonstrates compliance with Part 212 without having to perform compound-specific analyses.

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

- System condensate water was discharged from the holding tank to the sewer via the onsite connection one time in March (March 26 – 500 gallons). Water is treated via activate carbon adsorption prior to discharge and concentrations did not exceed applicable limits (1 part per million total volatile organic compounds), as shown in Appendix C.

Groundwater Extraction System – Operable Unit 2

The pumps in EX-1A, EX-1B, EX-1C, and EX-1D operated near design flow rates (30, 30, 48, and 48 gallons per minute, respectively) for all of March except for March 22 from 10:00 AM to 10:30 AM for installation of additional PHIX media. To date, over 434 million gallons of groundwater and approximately 475 pounds of VOCs have been removed by this system.

Quarterly samples were collected from each extraction well on March 26 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	1.4
1,1-Dichloroethane	ND	ND	ND	0.83
1,1-Dichloroethene	ND	ND	0.67	9
Carbon Tetrachloride	ND	ND	ND	ND
Chloroform	ND	ND	ND	1.7
cis-1,2-Dichloroethene	1.3	14	0.92	4.7
Tetrachloroethene	22	100	28	95
Trichloroethene	1.9	6.7	2.6	22
Total VOCs	**25.2**	**120.7**	**32.19**	**134.63**

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 M. J. Stark

Alexandra Stark, P.E.
Attachments

Copies:
A. Tamuno, Esq., NYSDEC — *Via email to amtamuno@gw.dec.state.ny.us*
C. Bethoney, NYSDOH — *Via email to charlotte.bethoney@health.ny.gov*
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P. Coop, EnSafe — *Via email to pcoop@ensafe.com*
J. Wilkinson, Envirotrac — *Via email to jamesw@envirotrac.com*

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: 14-Mar
Weather / Temp: Clear / 60 DEG
Technician / Operator: JW

Arrival Time: 13:30
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)	3450	677	Blower 1 Total Runtime (hrs)	73,509.1
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	73,105.6
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Blower Inlet Vacuum ("H2O)	38		Blower 2 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3		VGAC-1 Influent PID (ppm)	1
VGAC-1 Influent Vacuum ("H2O)	36		VGAC-1 Effluent PID (ppm)	0
VGAC-1 Effluent Vacuum ("H2O)	40		VGAC-2 Influent PID (ppm)	1
VGAC-2 Influent Vacuum ("H2O)	36		VGAC-2 Effluent PID (ppm)	0
VGAC-2 Effluent Vacuum ("H2O)	40		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)	138		Transfer Pump Total Runtime (hrs)	25,321.5
Blower Effluent Pressure ("H2O)	15		Condensate Storage Tank Level (gal)	350

SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	42	6500	142	1	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	36	3600	79	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	3000	65	1	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	50	2600	57	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	35	4400	96	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	5500	120	1
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	34	3600	79	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	36	2500	55	0

Air Sparge System			
Compressor 1 Pressure (psi)	14	Compressor 2 Pressure (psi)	Off
Compressor 1 Runtime (hrs)	24,768.7	Compressor 2 Temperature (degF)	Off
Air Cooler Inlet Temperature (degF)	165	Compressor 2 Regulator Pressure (psi)	Off
Air Cooler Outlet Temperature (degF)	88	Compressor 2 Runtime (hrs)	40,734
Air Cooler Inlet Pressure (psi)	16	AS Manifold Temperature (degF)	80
Air Cooler Outlet Pressure (psi)	15	AS Manifold Pressure	15

AS Manifold Legs - Pressure/Flow Rate						
	Pressure	Flow Rate		Pressure	Flow Rate
AS-1 (psi)/(cfm)	17	12	AS-11 (psi)/(cfm)	15	5
AS-2 (psi)/(cfm)	16	10	AS-12B (psi)/(cfm)	16	10
AS-3 (psi)/(cfm)	14	10	AS-13B (psi)/(cfm)	16	10
AS-4 (psi)/(cfm)	14	10	AS-14 (psi)/(cfm)	16	11
AS-5 (psi)/(cfm)	16	10	AS-15 (psi)/(cfm)	16	10
AS-6 (psi)/(cfm)	16	14	AS-16B (psi)/(cfm)	16	10
AS-7 (psi)/(cfm)	16	9	AS-17 (psi)/(cfm)	17	19
AS-8 (psi)/(cfm)	15	14	AS-18 (psi)/(cfm)	16	8
AS-9 (psi)/(cfm)	16	11	AS-19 (psi)/(cfm)	15	5
AS-10B (psi)/(cfm)	15	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: 14-Mar
Weather / Temp: Clear / 60 DEG
Technician / Operator: JW

Arrival Time: 13:30
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	Y	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

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

March 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: 24C2055

Enclosed are results of analyses for samples as received by the laboratory on March 19, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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: 3/26/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24C2055

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	24C2055-01	Soil Gas		- EPA TO-15	
SVE Influent	24C2055-02	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:

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:

1,2,4-Trichlorobenzene

24C2055-01[SVE Effluent], 24C2055-02[SVE Influent], B369490-BLK1, B369490-BS1, S102177-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

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ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 3/19/2024
Field Sample #: SVE Effluent
Sample ID: 24C2055-01
Sample Matrix: Soil Gas
Sampled: 3/14/2024 14:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 2749
Canister Size: 3 liter
Flow Controller ID: 4657
Sample Type: 15 min

Work Order: 24C2055
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -4.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	4.0		ND	9.5	2	3/22/24 10:33	TPH
Benzene	0.86	0.10		2.8	0.32	2	3/22/24 10:33	TPH
Benzyl chloride	ND	0.10		ND	0.52	2	3/22/24 10:33	TPH
Bromodichloromethane	ND	0.10		ND	0.67	2	3/22/24 10:33	TPH
Bromoform	ND	0.10		ND	1.0	2	3/22/24 10:33	TPH
Bromomethane	ND	0.10		ND	0.39	2	3/22/24 10:33	TPH
1,3-Butadiene	ND	0.10		ND	0.22	2	3/22/24 10:33	TPH
2-Butanone (MEK)	ND	4.0		ND	12	2	3/22/24 10:33	TPH
Carbon Disulfide	ND	1.0		ND	3.1	2	3/22/24 10:33	TPH
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/22/24 10:33	TPH
Chlorobenzene	ND	0.10		ND	0.46	2	3/22/24 10:33	TPH
Chloroethane	ND	0.10		ND	0.26	2	3/22/24 10:33	TPH
Chloroform	ND	0.10		ND	0.49	2	3/22/24 10:33	TPH
Chloromethane	ND	0.20		ND	0.41	2	3/22/24 10:33	TPH
Cyclohexane	ND	0.10		ND	0.34	2	3/22/24 10:33	TPH
Dibromochloromethane	ND	0.10		ND	0.85	2	3/22/24 10:33	TPH
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/22/24 10:33	TPH
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/22/24 10:33	TPH
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/22/24 10:33	TPH
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/22/24 10:33	TPH
Dichlorodifluoromethane (Freon 12)	0.39	0.10		1.9	0.49	2	3/22/24 10:33	TPH
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/22/24 10:33	TPH
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/22/24 10:33	TPH
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/22/24 10:33	TPH
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/22/24 10:33	TPH
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/22/24 10:33	TPH
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/22/24 10:33	TPH
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/22/24 10:33	TPH
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/22/24 10:33	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/22/24 10:33	TPH
1,4-Dioxane	ND	1.0		ND	3.6	2	3/22/24 10:33	TPH
Ethanol	13	4.0		24	7.5	2	3/22/24 10:33	TPH
Ethyl Acetate	ND	1.0		ND	3.6	2	3/22/24 10:33	TPH
Ethylbenzene	ND	0.10		ND	0.43	2	3/22/24 10:33	TPH
4-Ethyltoluene	ND	0.10		ND	0.49	2	3/22/24 10:33	TPH
Heptane	0.10	0.10		0.43	0.41	2	3/22/24 10:33	TPH
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/22/24 10:33	TPH

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ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 3/19/2024
Field Sample #: SVE Effluent
Sample ID: 24C2055-01
Sample Matrix: Soil Gas
Sampled: 3/14/2024 14:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 2749
Canister Size: 3 liter
Flow Controller ID: 4657
Sample Type: 15 min

Work Order: 24C2055
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -4.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	4.0		ND	14	2	3/22/24 10:33	TPH
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	3/22/24 10:33	TPH
Isopropanol	ND	4.0		ND	9.8	2	3/22/24 10:33	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	3/22/24 10:33	TPH
Methylene Chloride	ND	1.0		ND	3.5	2	3/22/24 10:33	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	3/22/24 10:33	TPH
Naphthalene	ND	0.10		ND	0.52	2	3/22/24 10:33	TPH
Propene	ND	4.0		ND	6.9	2	3/22/24 10:33	TPH
Styrene	ND	0.10		ND	0.43	2	3/22/24 10:33	TPH
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/22/24 10:33	TPH
Tetrachloroethylene	6.1	0.10		41	0.68	2	3/22/24 10:33	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	2	3/22/24 10:33	TPH
Toluene	0.39	0.10		1.5	0.38	2	3/22/24 10:33	TPH
1,2,4-Trichlorobenzene	ND	0.10	V-05	ND	0.74	2	3/22/24 10:33	TPH
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/22/24 10:33	TPH
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/22/24 10:33	TPH
Trichloroethylene	1.2	0.10		6.7	0.54	2	3/22/24 10:33	TPH
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	3/22/24 10:33	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	3/22/24 10:33	TPH
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	3/22/24 10:33	TPH
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	3/22/24 10:33	TPH
Vinyl Acetate	ND	2.0		ND	7.0	2	3/22/24 10:33	TPH
Vinyl Chloride	ND	0.10		ND	0.26	2	3/22/24 10:33	TPH
m&p-Xylene	ND	0.20		ND	0.87	2	3/22/24 10:33	TPH
o-Xylene	ND	0.10		ND	0.43	2	3/22/24 10:33	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	3/22/24 10:33

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ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 3/19/2024
Field Sample #: SVE Influent
Sample ID: 24C2055-02
Sample Matrix: Soil Gas
Sampled: 3/14/2024 14:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 2729
Canister Size: 3 liter
Flow Controller ID: 4626
Sample Type: 15 min

Work Order: 24C2055
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9.5
Receipt Vacuum(in Hg): -6.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	ND	120		ND	290	60	3/22/24 11:12	TPH
Benzene	ND	3.0		ND	9.6	60	3/22/24 11:12	TPH
Benzyl chloride	ND	3.0		ND	16	60	3/22/24 11:12	TPH
Bromodichloromethane	ND	3.0		ND	20	60	3/22/24 11:12	TPH
Bromoform	ND	3.0		ND	31	60	3/22/24 11:12	TPH
Bromomethane	ND	3.0		ND	12	60	3/22/24 11:12	TPH
1,3-Butadiene	ND	3.0		ND	6.6	60	3/22/24 11:12	TPH
2-Butanone (MEK)	ND	120		ND	350	60	3/22/24 11:12	TPH
Carbon Disulfide	ND	30		ND	93	60	3/22/24 11:12	TPH
Carbon Tetrachloride	ND	3.0		ND	19	60	3/22/24 11:12	TPH
Chlorobenzene	ND	3.0		ND	14	60	3/22/24 11:12	TPH
Chloroethane	ND	3.0		ND	7.9	60	3/22/24 11:12	TPH
Chloroform	ND	3.0		ND	15	60	3/22/24 11:12	TPH
Chloromethane	ND	6.0		ND	12	60	3/22/24 11:12	TPH
Cyclohexane	ND	3.0		ND	10	60	3/22/24 11:12	TPH
Dibromochloromethane	ND	3.0		ND	26	60	3/22/24 11:12	TPH
1,2-Dibromoethane (EDB)	ND	3.0		ND	23	60	3/22/24 11:12	TPH
1,2-Dichlorobenzene	ND	3.0		ND	18	60	3/22/24 11:12	TPH
1,3-Dichlorobenzene	ND	3.0		ND	18	60	3/22/24 11:12	TPH
1,4-Dichlorobenzene	ND	3.0		ND	18	60	3/22/24 11:12	TPH
Dichlorodifluoromethane (Freon 12)	ND	3.0		ND	15	60	3/22/24 11:12	TPH
1,1-Dichloroethane	ND	3.0		ND	12	60	3/22/24 11:12	TPH
1,2-Dichloroethane	ND	3.0		ND	12	60	3/22/24 11:12	TPH
1,1-Dichloroethylene	ND	3.0		ND	12	60	3/22/24 11:12	TPH
cis-1,2-Dichloroethylene	78	3.0		310	12	60	3/22/24 11:12	TPH
trans-1,2-Dichloroethylene	ND	3.0		ND	12	60	3/22/24 11:12	TPH
1,2-Dichloropropane	ND	3.0		ND	14	60	3/22/24 11:12	TPH
cis-1,3-Dichloropropene	ND	3.0		ND	14	60	3/22/24 11:12	TPH
trans-1,3-Dichloropropene	ND	3.0		ND	14	60	3/22/24 11:12	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	3.0		ND	21	60	3/22/24 11:12	TPH
1,4-Dioxane	ND	30		ND	110	60	3/22/24 11:12	TPH
Ethanol	ND	120		ND	230	60	3/22/24 11:12	TPH
Ethyl Acetate	ND	30		ND	110	60	3/22/24 11:12	TPH
Ethylbenzene	ND	3.0		ND	13	60	3/22/24 11:12	TPH
4-Ethyltoluene	ND	3.0		ND	15	60	3/22/24 11:12	TPH
Heptane	ND	3.0		ND	12	60	3/22/24 11:12	TPH
Hexachlorobutadiene	ND	3.0		ND	32	60	3/22/24 11:12	TPH

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ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 3/19/2024
Field Sample #: SVE Influent
Sample ID: 24C2055-02
Sample Matrix: Soil Gas
Sampled: 3/14/2024 14:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 2729
Canister Size: 3 liter
Flow Controller ID: 4626
Sample Type: 15 min

Work Order: 24C2055
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9.5
Receipt Vacuum(in Hg): -6.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Hexane	ND	120		ND	420	60	3/22/24 11:12	TPH
2-Hexanone (MBK)	ND	3.0		ND	12	60	3/22/24 11:12	TPH
Isopropanol	ND	120		ND	290	60	3/22/24 11:12	TPH
Methyl tert-Butyl Ether (MTBE)	ND	3.0		ND	11	60	3/22/24 11:12	TPH
Methylene Chloride	ND	30		ND	100	60	3/22/24 11:12	TPH
4-Methyl-2-pentanone (MIBK)	ND	3.0		ND	12	60	3/22/24 11:12	TPH
Naphthalene	ND	3.0		ND	16	60	3/22/24 11:12	TPH
Propene	ND	120		ND	210	60	3/22/24 11:12	TPH
Styrene	ND	3.0		ND	13	60	3/22/24 11:12	TPH
1,1,2,2-Tetrachloroethane	ND	3.0		ND	21	60	3/22/24 11:12	TPH
Tetrachloroethylene	3000	3.0		20000	20	60	3/22/24 11:12	TPH
Tetrahydrofuran	ND	30		ND	88	60	3/22/24 11:12	TPH
Toluene	ND	3.0		ND	11	60	3/22/24 11:12	TPH
1,2,4-Trichlorobenzene	ND	3.0	V-05	ND	22	60	3/22/24 11:12	TPH
1,1,1-Trichloroethane	ND	3.0		ND	16	60	3/22/24 11:12	TPH
1,1,2-Trichloroethane	ND	3.0		ND	16	60	3/22/24 11:12	TPH
Trichloroethylene	160	3.0		880	16	60	3/22/24 11:12	TPH
Trichlorofluoromethane (Freon 11)	ND	12		ND	67	60	3/22/24 11:12	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	12		ND	92	60	3/22/24 11:12	TPH
1,2,4-Trimethylbenzene	ND	3.0		ND	15	60	3/22/24 11:12	TPH
1,3,5-Trimethylbenzene	ND	3.0		ND	15	60	3/22/24 11:12	TPH
Vinyl Acetate	ND	60		ND	210	60	3/22/24 11:12	TPH
Vinyl Chloride	ND	3.0		ND	7.7	60	3/22/24 11:12	TPH
m&p-Xylene	ND	6.0		ND	26	60	3/22/24 11:12	TPH
o-Xylene	ND	3.0		ND	13	60	3/22/24 11:12	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.2	70-130	3/22/24 11:12

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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
24C2055-01 [SVE Effluent]	B369490	1.5	1	N/A	1000	400	300	03/21/24
24C2055-02 [SVE Influent]	B369490	1.5	1	N/A	1000	400	10	03/21/24

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B369490 - TO-15 Prep											
Blank (B369490-BLK1)					Prepared & Analyzed: 03/21/24						
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									
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 Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B369490 - TO-15 Prep											
Blank (B369490-BLK1)					Prepared & Analyzed: 03/21/24						
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									V-05
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)	*7.99*				*8.00*		*99.8*	*70-130*			
LCS (B369490-BS1)					Prepared & Analyzed: 03/21/24						
Acetone	4.53				5.00		90.6	70-130			
Benzene	4.56				5.00		91.1	70-130			
Benzyl chloride	5.55				5.00		111	70-130			
Bromodichloromethane	4.34				5.00		86.8	70-130			
Bromoform	4.97				5.00		99.5	70-130			
Bromomethane	4.71				5.00		94.1	70-130			
1,3-Butadiene	4.49				5.00		89.8	70-130			
2-Butanone (MEK)	4.74				5.00		94.9	70-130			
Carbon Disulfide	5.10				5.00		102	70-130			
Carbon Tetrachloride	4.39				5.00		87.8	70-130			
Chlorobenzene	4.68				5.00		93.6	70-130			
Chloroethane	4.46				5.00		89.2	70-130			
Chloroform	4.83				5.00		96.7	70-130			
Chloromethane	4.40				5.00		88.1	70-130			
Cyclohexane	4.84				5.00		96.7	70-130			
Dibromochloromethane	4.98				5.00		99.6	70-130			
1,2-Dibromoethane (EDB)	4.65				5.00		93.0	70-130			
1,2-Dichlorobenzene	5.43				5.00		109	70-130			
1,3-Dichlorobenzene	5.55				5.00		111	70-130			
1,4-Dichlorobenzene	5.44				5.00		109	70-130			
Dichlorodifluoromethane (Freon 12)	5.02				5.00		100	70-130			
1,1-Dichloroethane	4.68				5.00		93.7	70-130			
1,2-Dichloroethane	4.82				5.00		96.4	70-130			
1,1-Dichloroethylene	5.09				5.00		102	70-130			
cis-1,2-Dichloroethylene	4.90				5.00		98.0	70-130			
trans-1,2-Dichloroethylene	4.89				5.00		97.8	70-130			
1,2-Dichloropropane	4.04				5.00		80.7	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B369490 - TO-15 Prep											
LCS (B369490-BS1)					Prepared & Analyzed: 03/21/24						
cis-1,3-Dichloropropene	4.52				5.00		90.4	70-130			
trans-1,3-Dichloropropene	5.30				5.00		106	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.48				5.00		89.5	70-130			
1,4-Dioxane	5.77				5.00		115	70-130			
Ethanol	6.09				5.00		122	70-130			
Ethyl Acetate	4.97				5.00		99.4	70-130			
Ethylbenzene	4.84				5.00		96.8	70-130			
4-Ethyltoluene	5.49				5.00		110	70-130			
Heptane	4.84				5.00		96.9	70-130			
Hexachlorobutadiene	5.08				5.00		102	70-130			
Hexane	4.87				5.00		97.3	70-130			
2-Hexanone (MBK)	4.93				5.00		98.6	70-130			
Isopropanol	4.09				5.00		81.9	70-130			
Methyl tert-Butyl Ether (MTBE)	5.36				5.00		107	70-130			
Methylene Chloride	4.54				5.00		90.9	70-130			
4-Methyl-2-pentanone (MIBK)	4.87				5.00		97.4	70-130			
Naphthalene	5.76				5.00		115	70-130			
Propene	4.45				5.00		89.0	70-130			
Styrene	5.42				5.00		108	70-130			
1,1,2,2-Tetrachloroethane	4.28				5.00		85.6	70-130			
Tetrachloroethylene	4.82				5.00		96.4	70-130			
Tetrahydrofuran	6.03				5.00		121	70-130			
Toluene	4.81				5.00		96.2	70-130			
1,2,4-Trichlorobenzene	5.75				5.00		115	70-130			V-05
1,1,1-Trichloroethane	4.58				5.00		91.6	70-130			
1,1,2-Trichloroethane	4.43				5.00		88.6	70-130			
Trichloroethylene	4.69				5.00		93.8	70-130			
Trichlorofluoromethane (Freon 11)	5.07				5.00		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.18				5.00		104	70-130			
1,2,4-Trimethylbenzene	5.33				5.00		107	70-130			
1,3,5-Trimethylbenzene	5.26				5.00		105	70-130			
Vinyl Acetate	4.04				5.00		80.8	70-130			
Vinyl Chloride	4.50				5.00		89.9	70-130			
m&p-Xylene	10.1				10.0		101	70-130			
o-Xylene	4.93				5.00		98.5	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.06*				*8.00*		*101*	*70-130*			

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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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side 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 (S100759-ICV1)			Lab File ID: G24A052016.D			Analyzed: 02/22/24 03:53			
Bromochloromethane (1)	585119	8.024	623550	8.03	94	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1633998	9.792	1640491	9.798	100	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1489687	14.151	1505348	14.151	99	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 (S102177-CCV1)			Lab File ID: G24A081003.D			Analyzed: 03/21/24 14:40			
Bromochloromethane (1)	534349	8.024				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	1436614	9.798				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	1340100	14.151				60 - 140		+/-0.50	
LCS (B369490-BS1)			Lab File ID: G24A081004.D			Analyzed: 03/21/24 15:20			
Bromochloromethane (1)	566587	8.03	534349	8.024	106	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1575725	9.798	1436614	9.798	110	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1469706	14.151	1340100	14.151	110	60 - 140	0.0000	+/-0.50	
Blank (B369490-BLK1)			Lab File ID: G24A081009.D			Analyzed: 03/21/24 18:46			
Bromochloromethane (1)	528745	8.036	534349	8.024	99	60 - 140	0.0120	+/-0.50	
1,4-Difluorobenzene (1)	1429534	9.798	1436614	9.798	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1317905	14.151	1340100	14.151	98	60 - 140	0.0000	+/-0.50	
SVE Effluent (24C2055-01)			Lab File ID: G24A081030.D			Analyzed: 03/22/24 10:33			
Bromochloromethane (1)	547174	8.036	534349	8.024	102	60 - 140	0.0120	+/-0.50	
1,4-Difluorobenzene (1)	1586130	9.798	1436614	9.798	110	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1463508	14.151	1340100	14.151	109	60 - 140	0.0000	+/-0.50	
SVE Influent (24C2055-02)			Lab File ID: G24A081031.D			Analyzed: 03/22/24 11:12			
Bromochloromethane (1)	521510	8.03	534349	8.024	98	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1526756	9.798	1436614	9.798	106	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1450810	14.151	1340100	14.151	108	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S102177-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.39	0.9216919	0.8089904		-12.2	30
Benzene	A	5.00	4.73	0.7757931	0.733419		-5.5	30
Benzyl chloride	A	5.00	4.54	0.8012188	0.7270454		-9.3	30
Bromodichloromethane	A	5.00	4.52	0.5972854	0.5400565		-9.6	30
Bromoform	A	5.00	4.77	0.5431069	0.517682		-4.7	30
Bromomethane	A	5.00	4.64	0.6203018	0.5757885		-7.2	30
1,3-Butadiene	A	5.00	4.42	0.4860299	0.4299692		-11.5	30
2-Butanone (MEK)	A	5.00	4.53	1.307545	1.185128		-9.4	30
Carbon Disulfide	A	5.00	4.92	1.793354	1.763944		-1.6	30
Carbon Tetrachloride	A	5.00	4.68	0.5009138	0.4684404		-6.5	30
Chlorobenzene	A	5.00	4.56	0.7877083	0.718861		-8.7	30
Chloroethane	A	5.00	4.33	0.3086236	0.2674267		-13.3	30
Chloroform	A	5.00	4.80	1.440028	1.383665		-3.9	30
Chloromethane	A	5.00	4.49	0.6785563	0.6089982		-10.3	30
Cyclohexane	A	5.00	4.85	0.296063	0.2870728		-3.0	30
Dibromochloromethane	A	5.00	4.86	0.5948494	0.5776297		-2.9	30
1,2-Dibromoethane (EDB)	A	5.00	4.61	0.5490928	0.5065843		-7.7	30
1,2-Dichlorobenzene	A	5.00	4.42	0.6148508	0.5437445		-11.6	30
1,3-Dichlorobenzene	A	5.00	4.69	0.6611977	0.6199096		-6.2	30
1,4-Dichlorobenzene	A	5.00	4.55	0.659745	0.6004806		-9.0	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.90	1.540128	1.508476		-2.1	30
1,1-Dichloroethane	A	5.00	4.70	1.265892	1.190281		-6.0	30
1,2-Dichloroethane	A	5.00	4.74	0.9188488	0.8713137		-5.2	30
1,1-Dichloroethylene	A	5.00	4.93	1.038377	1.022909		-1.5	30
cis-1,2-Dichloroethylene	A	5.00	4.92	0.8839679	0.8698106		-1.6	30
trans-1,2-Dichloroethylene	A	5.00	4.82	0.9232199	0.8902406		-3.6	30
1,2-Dichloropropane	A	5.00	4.00	0.3333104	0.2669121		-19.9	30
cis-1,3-Dichloropropene	A	5.00	4.77	0.4594519	0.4382828		-4.6	30
trans-1,3-Dichloropropene	A	5.00	4.92	0.3477882	0.3422759		-1.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.75	1.79331	1.702082		-5.1	30
1,4-Dioxane	A	5.00	5.11	0.131917	0.1347892		2.2	30
Ethanol	A	5.00	5.37	0.1423735	0.152787		7.3	30
Ethyl Acetate	A	5.00	4.85	0.2078516	0.2017857		-2.9	30
Ethylbenzene	A	5.00	4.85	1.210014	1.174662		-2.9	30
4-Ethyltoluene	A	5.00	5.01	1.170771	1.172654		0.2	30
Heptane	A	5.00	4.87	0.2240404	0.2183891		-2.5	30
Hexachlorobutadiene	A	5.00	3.56	0.4331593	0.3080224		-28.9	30
Hexane	A	5.00	4.77	0.7371137	0.7034444		-4.6	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S102177-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Hexanone (MBK)	A	5.00	4.76	0.5675055	0.5399358		-4.9	30	
Isopropanol	A	5.00	4.05	1.134222	0.9194021		-18.9	30	
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.21	1.627031	1.695455		4.2	30	
Methylene Chloride	A	5.00	4.48	0.8346046	0.7485445		-10.3	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	4.82	0.576217	0.5550874		-3.7	30	
Naphthalene	A	5.00	3.58	0.8996755	0.6438051		-28.4	30	
Propene	A	5.00	4.50	0.6397137	0.5763185		-9.9	30	
Styrene	A	5.00	5.14	0.6589064	0.6770062		2.7	30	
1,1,2,2-Tetrachloroethane	A	5.00	4.09	0.8156315	0.6670786		-18.2	30	
Tetrachloroethylene	A	5.00	4.81	0.4489411	0.4319451		-3.8	30	
Tetrahydrofuran	A	5.00	5.04	0.2367759	0.2384299		0.7	30	
Toluene	A	5.00	4.73	0.94549	0.8939369		-5.5	30	
1,2,4-Trichlorobenzene	A	5.00	3.43	0.4300223	0.2949511		-31.4	30	*
1,1,1-Trichloroethane	A	5.00	4.84	0.5145077	0.4979732		-3.2	30	
1,1,2-Trichloroethane	A	5.00	4.51	0.3592603	0.3237418		-9.9	30	
Trichloroethylene	A	5.00	4.72	0.3396411	0.3206105		-5.6	30	
Trichlorofluoromethane (Freon 11)	A	5.00	4.96	1.463792	1.451309		-0.9	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.08	1.317023	1.337622		1.6	30	
1,2,4-Trimethylbenzene	A	5.00	4.83	0.9566545	0.923432		-3.5	30	
1,3,5-Trimethylbenzene	A	5.00	4.77	0.9998111	0.9540721		-4.6	30	
Vinyl Acetate	A	5.00	4.24	1.753198	1.484854		-15.3	30	
Vinyl Chloride	A	5.00	4.51	0.6934505	0.6252603		-9.8	30	
m&p-Xylene	A	10.0	9.80	0.9256934	0.9067192		-2.0	30	
o-Xylene	A	5.00	4.79	0.9487578	0.9091441		-4.2	30	

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

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
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
EPA TO-15 in Air	
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	02/5/2025
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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24C2055

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CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	EnviroTrac
Address:	5 old Dock Rd, Yaphank, NY, 11980
Phone:	631 924 3001
Project Name:	Frost St. OU1
Project Location:	Westbury, NY
Project Number:	
Project Manager:	Jim Wilkinson
Pace Quote Name/Number:	
Invoice Recipient:	Jim Wilkinson
Sampled By:	Jim Wilkinson

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: jamesw@envirotrac.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume					" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☐ Liters ☐ m³	5-10				Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
															Summa Can ID	Flow Controller ID
01	SVE Effluent	13:49	14:04	15		SG		✓				30	6	3	2749	4657
02	SVE Influent	13:53	14:08	15		SG		✓				30	9.5	3	2729	4626 **

Comments: * BOTH SAMPLES COLLECTED ON 3/14
** GAUGE FOR 4626 STUCK @ 3" Hg

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:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time: 3/14 14:30		
Received by: (signature) KSVA	Date/Time: 3/18/24 955a		
Relinquished by: (signature) KSVA	Date/Time: 3/18/24 1240p		
Received by: (signature) MSMA (AAL)	Date/Time: 3/18 1710		
Relinquished by: (signature) MSMA (AAL)	Date/Time: 3/19		
Received by: (signature)	Date/Time: 3/18/24 2035		

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Pace Analytical®
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Chris Mussa 3/18/24 2335

Joint DAVIS 3-14-24 7:00 Joint DAVIS 3-14-24

Ivan Cuan 3/19/24 0914

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Table of Contents

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

Log In Back-Sheet

Client Envirotrac

Project Frost St OU1

MCP/RCP Required

Deliverable Package Requirement

Location Westbury, NY

PWSID# (When Applicable)

Arrival Method Courier

Received By / Date / Time KMC 3/19/24 0914

Back-Sheet By / Date / Time KMC 3/19/24 0930

Temperature Method #

Temp ≤ 6° C Actual Temperature

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Both cans received Stripped.

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	15min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s														
1	2749	5		10		15		Regs #'s		5		10		15	
2	2729	6		11		16		1	4657	6		11		16	
3		7		12		17		2	4626	7		12		17	
4		8		13		18		3		8		13		18	
		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

Appendix C
AS/SVE System Water Sample
Laboratory Analytical Results

PHOENIX
Environmental Laboratories, Inc.

Tuesday, April 02, 2024

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

Project ID: **FROST STREET-OU1**
SDG ID: **GCQ36320**
Sample ID#s: **CQ36320 - CQ36321**

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,

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

April 02, 2024

SDG I.D.: GCQ36320

Project ID: FROST STREET-OU1

Client Id	Lab Id	Matrix
SVE DISCHARGE WATER	CQ36320	GROUND WATER
TRIP BLANK	CQ36321	GROUND WATER

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 02, 2024

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	JW	03/26/24	10:00
Location Code:	ENVIROTR	Received by:	SW	03/26/24	16:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCQ36320
Phoenix ID: CQ36320

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	03/29/24	TH	SW6010D	
Chromium	< 0.001	0.001		mg/L	1	03/29/24	TH	SW6010D	
Copper	0.009	0.005		mg/L	1	03/29/24	TH	SW6010D	
Iron	0.023	0.010		mg/L	1	03/29/24	TH	SW6010D	
Nickel	< 0.001	0.001		mg/L	1	03/29/24	TH	SW6010D	
Zinc	< 0.004	0.004		mg/L	1	03/29/24	TH	SW6010D	
Chromium, Hexavalent	< 0.01	0.01		mg/L	1	03/26/24 20:10	GW	SM3500CRB-11	
PCB Extraction	Completed					03/28/24	S/S	E608.3	
Total Metals Digestion	Completed					03/28/24	AG	SW3010A	
Polychlorinated Biphenyls									
PCB-1016	ND	0.047	0.047	ug/L	1	03/29/24	SC	E608.3	
PCB-1221	ND	0.047	0.047	ug/L	1	03/29/24	SC	E608.3	
PCB-1232	ND	0.047	0.047	ug/L	1	03/29/24	SC	E608.3	
PCB-1242	ND	0.047	0.047	ug/L	1	03/29/24	SC	E608.3	
PCB-1248	ND	0.047	0.047	ug/L	1	03/29/24	SC	E608.3	
PCB-1254	ND	0.047	0.047	ug/L	1	03/29/24	SC	E608.3	
PCB-1260	ND	0.047	0.047	ug/L	1	03/29/24	SC	E608.3	
PCB-1262	ND	0.047	0.047	ug/L	1	03/29/24	SC	E608.3	1
PCB-1268	ND	0.047	0.047	ug/L	1	03/29/24	SC	E608.3	1
QA/QC Surrogates									
% DCBP	63			%	1	03/29/24	SC	30 - 150 %	
% DCBP (Confirmation)	58			%	1	03/29/24	SC	30 - 150 %	
% TCMX	74			%	1	03/29/24	SC	30 - 150 %	
% TCMX (Confirmation)	69			%	1	03/29/24	SC	30 - 150 %	

Project ID: FROST STREET-OU1 Phoenix I.D.: CQ36320
Client ID: SVE DISCHARGE WATER

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	03/26/24	MH	E624.1 As is
Acrolein	ND	5.0	1.0	ug/L	1	03/26/24	MH	E624.1 As is
Acrylonitrile	ND	5.0	0.50	ug/L	1	03/26/24	MH	E624.1 As is
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/26/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/26/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/26/24	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	03/26/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/26/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/26/24	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/26/24	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	03/26/24	MH	70 - 130 %
% Bromofluorobenzene	89			%	1	03/26/24	MH	70 - 130 %
% Dibromofluoromethane	103			%	1	03/26/24	MH	70 - 130 %
% Toluene-d8	105			%	1	03/26/24	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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 (preceeded 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
April 02, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 02, 2024

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	JW	03/26/24	
Location Code:	ENVIROTR	Received by:	SW	03/26/24	16:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCQ36320
Phoenix ID: CQ36321

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/26/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/26/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/26/24	MH	E624.1

Project ID: FROST STREET-OU1 Phoenix I.D.: CQ36321
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	03/26/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/26/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/26/24	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/26/24	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/26/24	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	03/26/24	MH	70 - 130 %
% Bromofluorobenzene	89			%	1	03/26/24	MH	70 - 130 %
% Dibromofluoromethane	94			%	1	03/26/24	MH	70 - 130 %
% Toluene-d8	105			%	1	03/26/24	MH	70 - 130 %

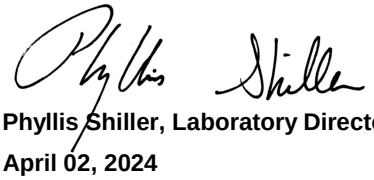
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

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

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



Phyllis Shiller, Laboratory Director
April 02, 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

NY # 11301

QA/QC Report

April 02, 2024

QA/QC Data

SDG I.D.: GCQ36320

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 724345 (mg/L), QC Sample No: CQ35786 (CQ36320)													
ICP Metals - Aqueous													
Cadmium	BRL	0.001	<0.001	<0.001	NC	96.2	95.7	0.5	96.7			80 - 120	20
Chromium	BRL	0.001	0.002	0.002	NC	100	99.9	0.1	100			80 - 120	20
Copper	BRL	0.005	0.0383	0.039	1.80	103	103	0.0	105			80 - 120	20
Iron	BRL	0.010	1.12	1.15	2.60	100	100	0.0	102			80 - 120	20
Nickel	BRL	0.001	0.005	0.004	NC	99.3	99.2	0.1	99.4			80 - 120	20
Zinc	BRL	0.004	0.102	0.104	1.90	99.1	98.9	0.2	100			80 - 120	20

Comment:

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

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Tel. (860) 645-1102

NY # 11301

QA/QC Report

April 02, 2024

QA/QC Data

SDG I.D.: GCQ36320

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 723994 (mg/L), QC Sample No: CQ35604 (CQ36320)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	97.7			89.0			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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

April 02, 2024

QA/QC Data

SDG I.D.: GCQ36320

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 724357 (ug/L), QC Sample No: CQ36725 (CQ36320)											
Polychlorinated Biphenyls - Ground Water											
PCB-1016	ND	0.050	80	89	10.7				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	80	85	6.1				30 - 140	20	
PCB-1262	ND	0.050							40 - 140	20	
PCB-1268	ND	0.050							40 - 140	20	
% DCBP (Surrogate Rec)	70	%	70	82	15.8				30 - 150	20	
% DCBP (Surrogate Rec) (Confirm	64	%	65	78	18.2				30 - 150	20	
% TCMX (Surrogate Rec)	61	%	54	62	13.8				30 - 150	20	
% TCMX (Surrogate Rec) (Confirm	57	%	51	59	14.5				30 - 150	20	
Comment:											
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.											
QA/QC Batch 724161 (ug/L), QC Sample No: CQ35609 (CQ36320, CQ36321)											
Volatiles - Ground Water											
1,1,1-Trichloroethane	ND	1.0	95	91	4.3	91	112	20.7	75 - 125	20	r
1,1,2,2-Tetrachloroethane	ND	0.50	95	94	1.1	98	97	1.0	60 - 140	20	
1,1,2-Trichloroethane	ND	1.0	100	102	2.0	102	103	1.0	71 - 129	20	
1,1-Dichloroethane	ND	1.0	94	91	3.2	93	96	3.2	72 - 128	20	
1,1-Dichloroethene	ND	1.0	88	83	5.8	79	83	4.9	50 - 150	20	
1,2-Dichlorobenzene	ND	1.0	97	96	1.0	92	94	2.2	63 - 137	20	
1,2-Dichloroethane	ND	1.0	93	93	0.0	94	94	0.0	68 - 132	20	
1,2-Dichloropropane	ND	1.0	104	103	1.0	107	109	1.9	40 - 160	20	
1,3-Dichlorobenzene	ND	1.0	96	97	1.0	91	93	2.2	73 - 127	20	
1,4-Dichlorobenzene	ND	1.0	98	96	2.1	92	94	2.2	63 - 137	20	
2 chlorethyl vinyl ether	ND	1.0	94	93	1.1	98	98	0.0	50 - 150	20	
Acrolein	ND	5.0	88	90	2.2	85	89	4.6	50 - 150	20	
Acrylonitrile	ND	5.0	89	88	1.1	99	96	3.1	50 - 150	20	
Benzene	ND	0.70	104	100	3.9	100	101	1.0	64 - 136	20	
Bromodichloromethane	ND	0.50	99	99	0.0	96	99	3.1	65 - 135	20	
Bromoform	ND	1.0	96	95	1.0	88	91	3.4	71 - 129	20	
Bromomethane	ND	1.0	93	91	2.2	69	86	21.9	40 - 160	20	r
Carbon Disulfide	ND	1.0	92	87	5.6	83	87	4.7	70 - 130	30	
Carbon tetrachloride	ND	1.0	100	84	17.4	82	105	24.6	73 - 127	20	r
Chlorobenzene	ND	1.0	101	99	2.0	95	95	0.0	66 - 134	20	
Chloroethane	ND	1.0	121	120	0.8	109	120	9.6	40 - 160	20	
Chloroform	ND	1.0	84	82	2.4	88	104	16.7	67 - 133	20	
Chloromethane	ND	1.0	100	96	4.1	96	108	11.8	40 - 160	20	

QA/QC Data

SDG I.D.: GCQ36320

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	94	91	3.2	88	92	4.4	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	99	100	1.0	95	96	1.0	40 - 160	20
Dibromochloromethane	ND	0.50	99	100	1.0	97	95	2.1	67 - 133	20
Ethylbenzene	ND	1.0	104	99	4.9	95	93	2.1	59 - 141	20
Isopropylbenzene	ND	1.0	98	97	1.0	88	97	9.7	70 - 130	30
m&p-Xylene	ND	1.0	103	100	3.0	93	97	4.2	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	82	81	1.2	84	83	1.2	70 - 130	30
Methylene chloride	ND	1.0	89	85	4.6	87	88	1.1	60 - 140	20
Naphthalene	ND	1.0	87	88	1.1	84	85	1.2	70 - 130	30
o-Xylene	ND	1.0	103	100	3.0	97	98	1.0	70 - 130	30
Tetrachloroethene	ND	1.0	98	94	4.2	85	85	0.0	73 - 127	20
Toluene	ND	1.0	104	102	1.9	99	101	2.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	91	85	6.8	83	88	5.8	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	93	95	2.1	92	93	1.1	50 - 150	20
Trichloroethene	ND	1.0	98	98	0.0	87	96	9.8	66 - 134	20
Trichlorofluoromethane	ND	1.0	93	88	5.5	88	95	7.7	48 - 152	20
Vinyl chloride	ND	1.0	95	93	2.1	86	96	11.0	40 - 160	20
% 1,2-dichlorobenzene-d4	99	%	99	99	0.0	99	98	1.0	70 - 130	30
% Bromofluorobenzene	91	%	101	100	1.0	101	101	0.0	70 - 130	30
% Dibromofluoromethane	94	%	93	97	4.2	100	108	7.7	70 - 130	30
% Toluene-d8	103	%	102	103	1.0	105	106	0.9	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

r = This parameter is outside laboratory RPD specified recovery limits.

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

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
April 02, 2024

Tuesday, April 02, 2024

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCQ36320 - 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

April 02, 2024 SDG I.D.: GCQ36320

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

April 02, 2024

SDG I.D.: GCQ36320

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

Cooler: Yes ☐ No ☐
Coolant: IPK ☒ ICE ☐ No ☐

CHAIN OF CUSTODY RECORD

Temp 1 °C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery/Contact Options:
☐ Fax:
☐ Phone:
■ Email: jamesw@envirotrac.com

Customer: EnviroTrac
Address: 5 Old Dock Road
Yaphank, NY 11980

Project: Frost Street - OU1
Report to: Jim Wilkinson
Invoice to: EnviroTrac
QUOTE #

Project P.O:

Client Sample - Information - Identification

Sampler's Signature: J. Wilkinson Date: 3/26

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs EPA 624.1 + cis 1,2-dichloroethene	Hexavalent Chromium	Total Cadmium, Chromium, Copper, Iron, Nickel, Zinc	PCBs	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [2] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [x] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
360315	SVE Discharge Water	GW	3/26/2024	10:00	X								5							
360316	SVE Discharge Water	GW	3/26/2024			X								1						
360317	SVE Discharge Water	GW	3/26/2024				X									1				
360318	SVE Discharge Water	GW	3/26/2024					X						1						
360319	TRIP BLANK												2							

360320

360321

Relinquished by:	Accepted by:	Date:	Time:
J. Wilkinson		3/26/24	1150
		3/26/24	14:50
			16:50

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: NY

Data Format
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES

Appendix D
Groundwater Extraction Well Sampling
Quarterly Results

Monday, April 01, 2024

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

Project ID: **FROST STREET-OU2**
SDG ID: **GCQ36315**
Sample ID#s: **CQ36315 - CQ36319**

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,

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

NY # 11301

Sample Id Cross Reference

April 01, 2024

SDG I.D.: GCQ36315

Project ID: FROST STREET-OU2

Client Id	Lab Id	Matrix
EX-1A	CQ36315	GROUND WATER
EX-1B	CQ36316	GROUND WATER
EX-1C	CQ36317	GROUND WATER
EX-1D	CQ36318	GROUND WATER
TRIP BLANK	CQ36319	GROUND WATER

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 01, 2024

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/26/24	9:00
Location Code:	ENVIROTR	Received by:	SW	03/26/24	16:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCQ36315
Phoenix ID: CQ36315

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	03/27/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/27/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
cis-1,2-Dichloroethene	1.3	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/27/24	MH	E624.1

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

Phoenix I.D.: CQ36315

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	03/27/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/27/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/27/24	MH	E624.1
Tetrachloroethene	22	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/24	MH	E624.1
Trichloroethene	1.9	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	1	03/27/24	MH	70 - 130 %
% Bromofluorobenzene	91			%	1	03/27/24	MH	70 - 130 %
% Dibromofluoromethane	95			%	1	03/27/24	MH	70 - 130 %
% Toluene-d8	103			%	1	03/27/24	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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

Phyllis Shiller, Laboratory Director
April 01, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 01, 2024

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/26/24	9:05
Location Code:	ENVIROTR	Received by:	SW	03/26/24	16:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCQ36315
Phoenix ID: CQ36316

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/27/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
cis-1,2-Dichloroethene	14	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/27/24	MH	E624.1

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

Phoenix I.D.: CQ36316

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	03/27/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/27/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/27/24	MH	E624.1
Tetrachloroethene	100	2.5	1.3	ug/L	5	03/28/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/24	MH	E624.1
Trichloroethene	6.7	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	03/27/24	MH	70 - 130 %
% Bromofluorobenzene	88			%	1	03/27/24	MH	70 - 130 %
% Dibromofluoromethane	114			%	1	03/27/24	MH	70 - 130 %
% Toluene-d8	106			%	1	03/27/24	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	97			%	5	03/28/24	MH	70 - 130 %
% Bromofluorobenzene (5x)	89			%	5	03/28/24	MH	70 - 130 %
% Dibromofluoromethane (5x)	113			%	5	03/28/24	MH	70 - 130 %
% Toluene-d8 (5x)	104			%	5	03/28/24	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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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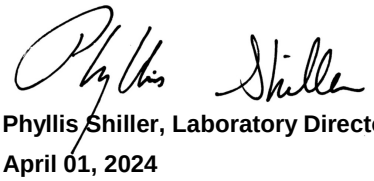

Phyllis Shiller, Laboratory Director
April 01, 2024
Reviewed and Released by: Anil Makol, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 01, 2024

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/26/24	9:10
Location Code:	ENVIROTR	Received by:	SW	03/26/24	16:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCQ36315
Phoenix ID: CQ36317

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1-Dichloroethene	0.67	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/27/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
cis-1,2-Dichloroethene	0.92	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/27/24	MH	E624.1

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

Phoenix I.D.: CQ36317

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	03/27/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/27/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/27/24	MH	E624.1
Tetrachloroethene	28	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/24	MH	E624.1
Trichloroethene	2.6	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	03/27/24	MH	70 - 130 %
% Bromofluorobenzene	88			%	1	03/27/24	MH	70 - 130 %
% Dibromofluoromethane	114			%	1	03/27/24	MH	70 - 130 %
% Toluene-d8	104			%	1	03/27/24	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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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Phyllis Shiller, Laboratory Director
April 01, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 01, 2024

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/26/24	9:15
Location Code:	ENVIROTR	Received by:	SW	03/26/24	16:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCQ36315
Phoenix ID: CQ36318

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	1.4	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1-Dichloroethane	0.83	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1-Dichloroethene	9.0	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/27/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloroform	1.7	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
cis-1,2-Dichloroethene	4.7	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/27/24	MH	E624.1

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

Phoenix I.D.: CQ36318

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	03/27/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/27/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/27/24	MH	E624.1
Tetrachloroethene	95	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/24	MH	E624.1
Trichloroethene	22	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	03/27/24	MH	70 - 130 %
% Bromofluorobenzene	91			%	1	03/27/24	MH	70 - 130 %
% Dibromofluoromethane	113			%	1	03/27/24	MH	70 - 130 %
% Toluene-d8	102			%	1	03/27/24	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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

Phyllis Shiller, Laboratory Director
April 01, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 01, 2024

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/26/24	
Location Code:	ENVIROTR	Received by:	SW	03/26/24	16:50
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCQ36315
Phoenix ID: CQ36319

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	03/27/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	03/27/24	MH	E624.1

Project ID: FROST STREET-OU2 Phoenix I.D.: CQ36319
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	03/27/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	03/27/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	03/27/24	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/27/24	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	03/27/24	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	03/27/24	MH	70 - 130 %
% Bromofluorobenzene	91			%	1	03/27/24	MH	70 - 130 %
% Dibromofluoromethane	108			%	1	03/27/24	MH	70 - 130 %
% Toluene-d8	104			%	1	03/27/24	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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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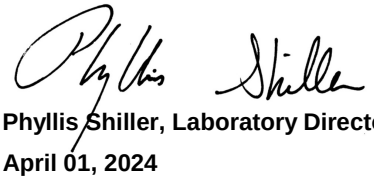


Phyllis Shiller, Laboratory Director
April 01, 2024
Reviewed and Released by: Anil Makol, Project Manager

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

NY # 11301

QA/QC Report

April 01, 2024

QA/QC Data

SDG I.D.: GCQ36315

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 724545 (ug/L), QC Sample No: CQ36319 (CQ36315, CQ36316, CQ36317, CQ36318, CQ36319)											
Volatiles - Ground Water											
1,1,1-Trichloroethane	ND	1.0	109	97	11.7	86	100	15.1	75 - 125	20	
1,1,2,2-Tetrachloroethane	ND	0.50	108	106	1.9	106	104	1.9	60 - 140	20	
1,1,2-Trichloroethane	ND	1.0	105	105	0.0	101	108	6.7	71 - 129	20	
1,1-Dichloroethane	ND	1.0	97	101	4.0	90	91	1.1	72 - 128	20	
1,1-Dichloroethene	ND	1.0	89	95	6.5	77	82	6.3	50 - 150	20	
1,2-Dichlorobenzene	ND	1.0	98	98	0.0	91	93	2.2	63 - 137	20	
1,2-Dichloroethane	ND	1.0	96	97	1.0	94	92	2.2	68 - 132	20	
1,2-Dichloropropane	ND	1.0	106	112	5.5	102	103	1.0	40 - 160	20	
1,3-Dichlorobenzene	ND	1.0	95	98	3.1	91	93	2.2	73 - 127	20	
1,4-Dichlorobenzene	ND	1.0	96	98	2.1	89	90	1.1	63 - 137	20	
Benzene	ND	0.70	102	106	3.8	97	101	4.0	64 - 136	20	
Bromodichloromethane	ND	0.50	99	100	1.0	94	97	3.1	65 - 135	20	
Bromoform	ND	1.0	100	104	3.9	91	94	3.2	71 - 129	20	
Bromomethane	ND	1.0	86	91	5.6	46	62	29.6	40 - 160	20	r
Carbon Disulfide	ND	1.0	94	98	4.2	78	87	10.9	70 - 130	30	
Carbon tetrachloride	ND	1.0	106	90	16.3	81	101	22.0	73 - 127	20	r
Chlorobenzene	ND	1.0	98	103	5.0	94	96	2.1	66 - 134	20	
Chloroethane	ND	1.0	114	112	1.8	101	109	7.6	40 - 160	20	
Chloroform	ND	1.0	105	95	10.0	84	97	14.4	67 - 133	20	
Chloromethane	ND	1.0	109	115	5.4	95	106	10.9	40 - 160	20	
cis-1,2-Dichloroethene	ND	1.0	89	90	1.1	86	85	1.2	69 - 131	20	
cis-1,3-Dichloropropene	ND	0.40	101	103	2.0	93	95	2.1	40 - 160	20	
Dibromochloromethane	ND	0.50	101	105	3.9	97	96	1.0	67 - 133	20	
Ethylbenzene	ND	1.0	102	103	1.0	91	94	3.2	59 - 141	20	
Isopropylbenzene	ND	1.0	98	99	1.0	89	93	4.4	70 - 130	30	
m&p-Xylene	ND	1.0	101	106	4.8	93	95	2.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	91	91	0.0	85	84	1.2	70 - 130	30	
Methylene chloride	ND	1.0	89	96	7.6	85	87	2.3	60 - 140	20	
Naphthalene	ND	1.0	94	94	0.0	89	89	0.0	70 - 130	30	
o-Xylene	ND	1.0	102	104	1.9	94	98	4.2	70 - 130	30	
Tetrachloroethene	ND	1.0	92	96	4.3	84	90	6.9	73 - 127	20	
Toluene	ND	1.0	102	104	1.9	98	97	1.0	74 - 126	20	
trans-1,2-Dichloroethene	ND	1.0	92	93	1.1	79	83	4.9	69 - 131	20	
trans-1,3-Dichloropropene	ND	0.40	97	98	1.0	90	94	4.3	50 - 150	20	
Trichloroethene	ND	1.0	93	93	0.0	89	89	0.0	66 - 134	20	
Trichlorofluoromethane	ND	1.0	105	110	4.7	91	96	5.3	48 - 152	20	
Vinyl chloride	ND	1.0	101	106	4.8	83	95	13.5	40 - 160	20	
% 1,2-dichlorobenzene-d4	101	%	100	100	0.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	89	%	102	104	1.9	98	102	4.0	70 - 130	30	
% Dibromofluoromethane	97	%	110	91	18.9	94	107	12.9	70 - 130	30	
% Toluene-d8	106	%	105	103	1.9	105	105	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GCQ36315

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Comment:										
A blank MS/MSD was analyzed with this batch.										
QA/QC Batch 724571 (ug/L), QC Sample No: CQ37152 (CQ36316 (5X))										
Volatiles - Ground Water										
Tetrachloroethene	ND	1.0	93	98	5.2	100	98	2.0	73 - 127	20
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	102	102	0.0	70 - 130	30
% Bromofluorobenzene	89	%	100	98	2.0	99	99	0.0	70 - 130	30
% Dibromofluoromethane	108	%	111	94	16.6	108	110	1.8	70 - 130	30
% Toluene-d8	104	%	101	103	2.0	102	103	1.0	70 - 130	30
Comment:										
A blank MS/MSD was analyzed with this batch.										

r = This parameter is outside laboratory RPD specified recovery limits.

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

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
April 01, 2024

Monday, April 01, 2024

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCQ36315 - 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

April 01, 2024 SDG I.D.: GCQ36315

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

April 01, 2024

SDG I.D.: GCQ36315

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

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐ No ☐
Temp 1.1 °C Pg 1 of 1

CHAIN OF CUSTODY RECORD

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery/Contact Options:
☐ Fax:
☐ Phone:
■ Email: jamesw@envirotrac.com

Customer: EnviroTrac
Address: 5 Old Dock Road
Yaphank, NY 11980

Project: Frost Street - OU2
Report to: Jim Wilkinson
Invoice to: EnviroTrac
QUOTE #

Project P.O:

Client Sample - Information - Identification

Sampler's Signature: JWilkinson Date: 3/26/24

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs EPA 624.1 + cis 1,2-dichloroethene	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
360315	EX-1A	GW	3/26/2024	9:00	X					3							
360316	EX-1B	GW	3/26/2024	9:05	X					3							
360317	EX-1C	GW	3/26/2024	9:10	X					3							
360318	EX-1D	GW	3/26/2024	9:15	X					3							
360319	TRIP BLANK									2							

Relinquished by:	Accepted by:	Date:	Time:
JWilkinson		3/26/24	1150
		3/26/24	~~11:30~~
			16:50

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: NY

Data Format
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

Bobbi Aloisa

From:	Bobbi Aloisa
Sent:	Tuesday, March 26, 2024 9:37 PM
To:	James Wilkinson, PE; Bobbi Aloisa
Subject:	624 issue
Attachments:	GCQ36315-ChainofCustody-1.pdf

Hi James

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

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

Please LMK if you have any questions

Bobbi

Bobbi Aloisa
Vice President | Director of Client Services
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike | Manchester, CT 06040
Direct Line: (860)-645-8728
www.phoenixlabs.com

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ No ☐

CHAIN OF CUSTODY RECORD

Temp / °C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery/Contact Options:
☐ Fax:
☐ Phone:
■ Email: jamesw@envirotrac.com

Customer: EnviroTrac
Address: 5 Old Dock Road
Yaphank, NY 11980

Project: Frost Street - OU2
Report to: Jim Wilkinson
Invoice to: EnviroTrac
QUOTE #

Project P.O:

Client Sample - Information - Identification

Sampler's Signature: JWilkinson Date: 3/26/24

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs EPA 624.1 + cis 1,2-dichloroethene	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [ ] As is [x] HCl	PL As is [ ] 250ml [ ] As is [ ] H2SO4	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
360315	EX-1A	GW	3/26/2024	9:00	X					3							
360316	EX-1B	GW	3/26/2024	9:05	X					3							
360317	EX-1C	GW	3/26/2024	9:10	X					3							
360318	EX-1D	GW	3/26/2024	9:15	X					3							
360319	TRIP BLANK									2							

Relinquished by:	Accepted by:	Date:	Time:
JWilkinson		3/26/24	1150
		3/26/24	1430
			16:50

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

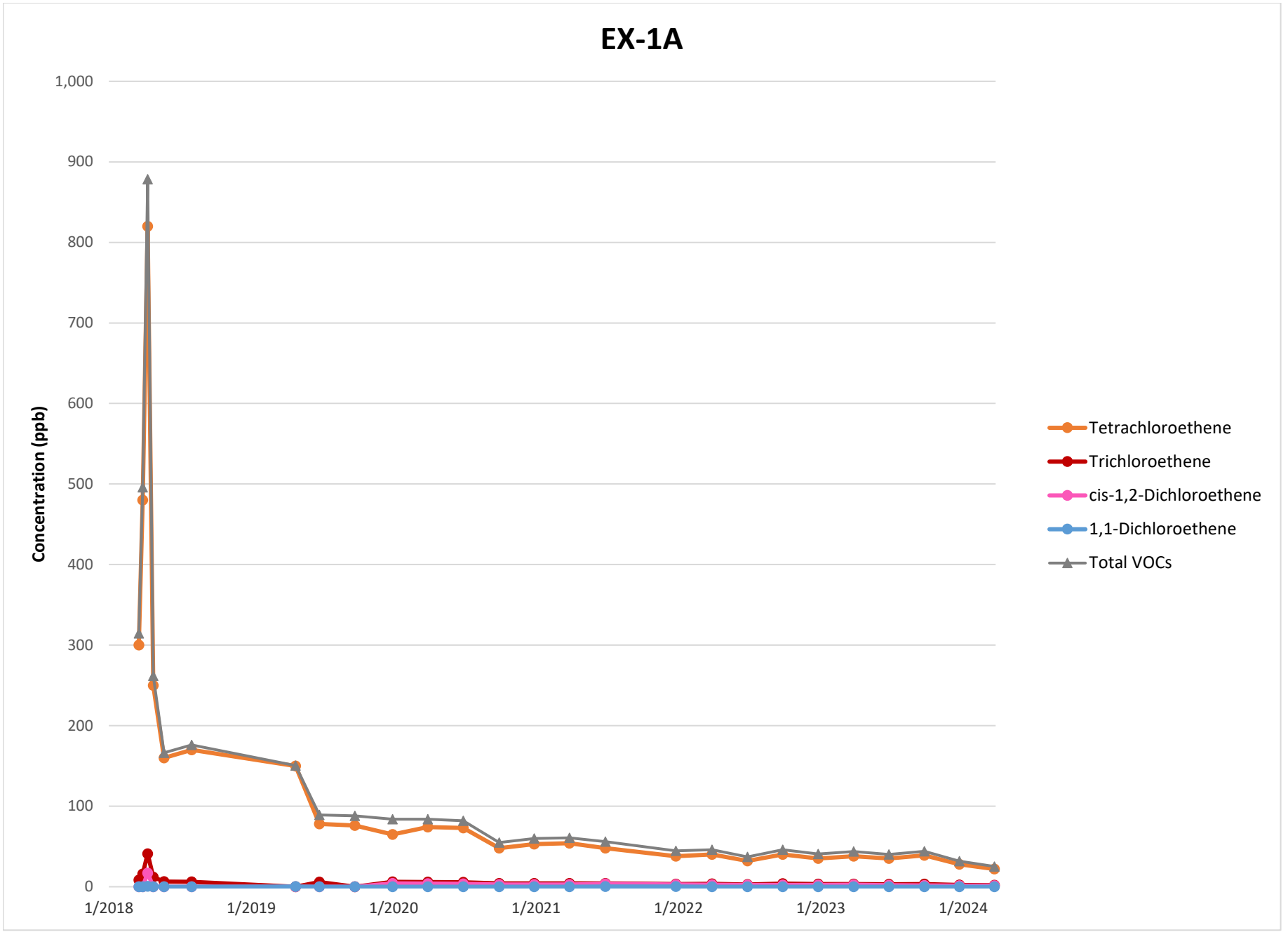
MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

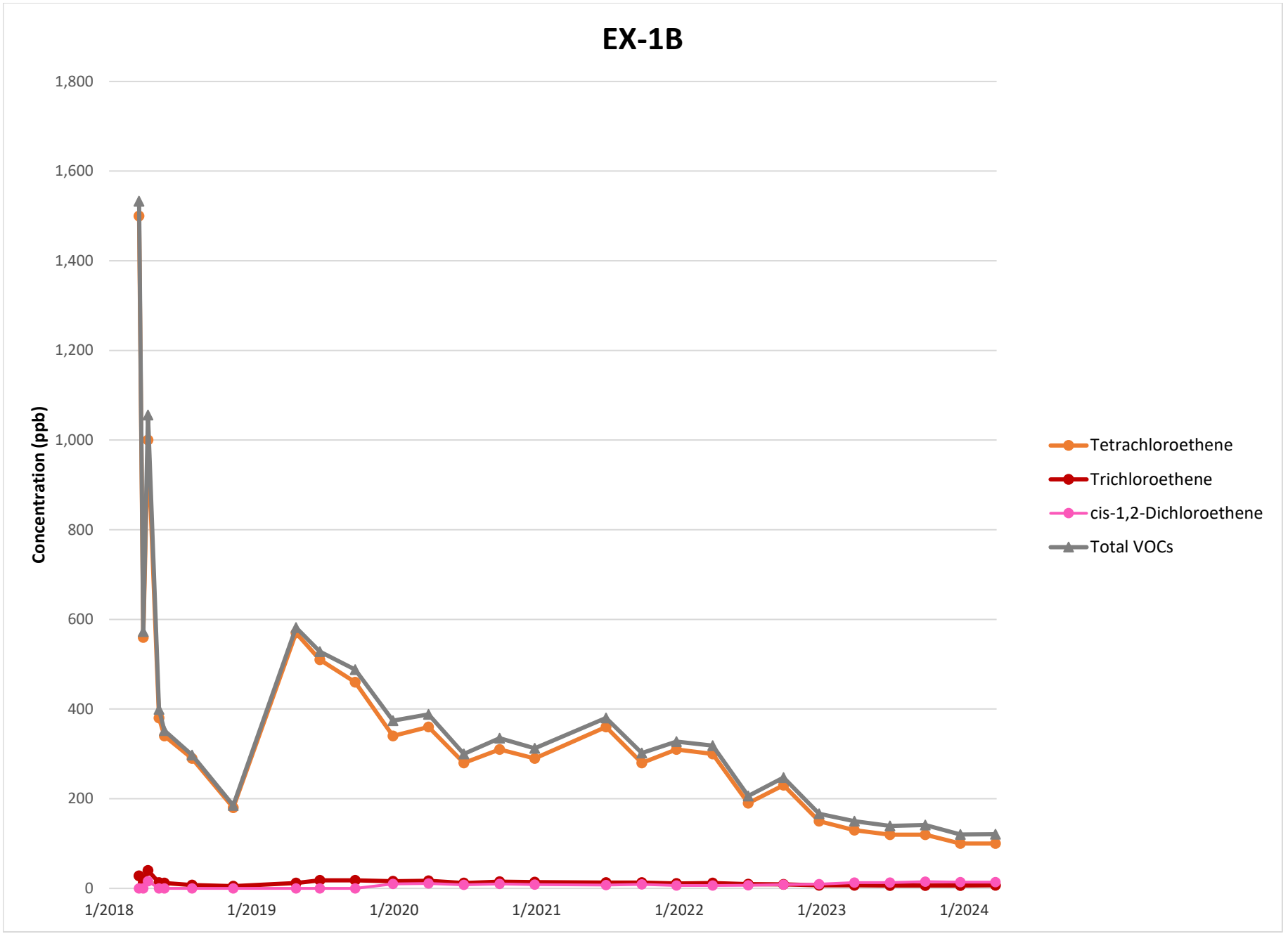
State where samples were collected: NY

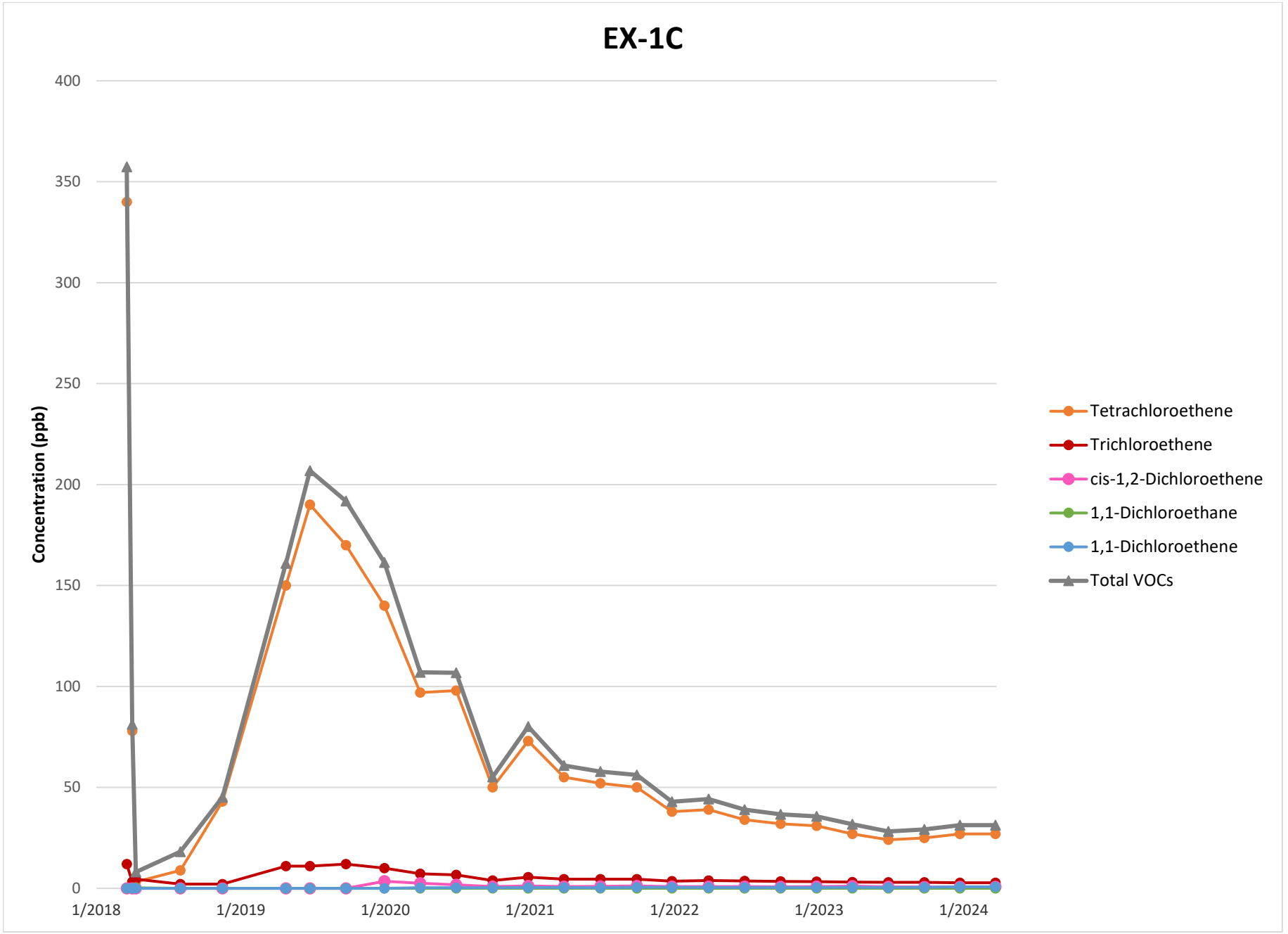
Data Format
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

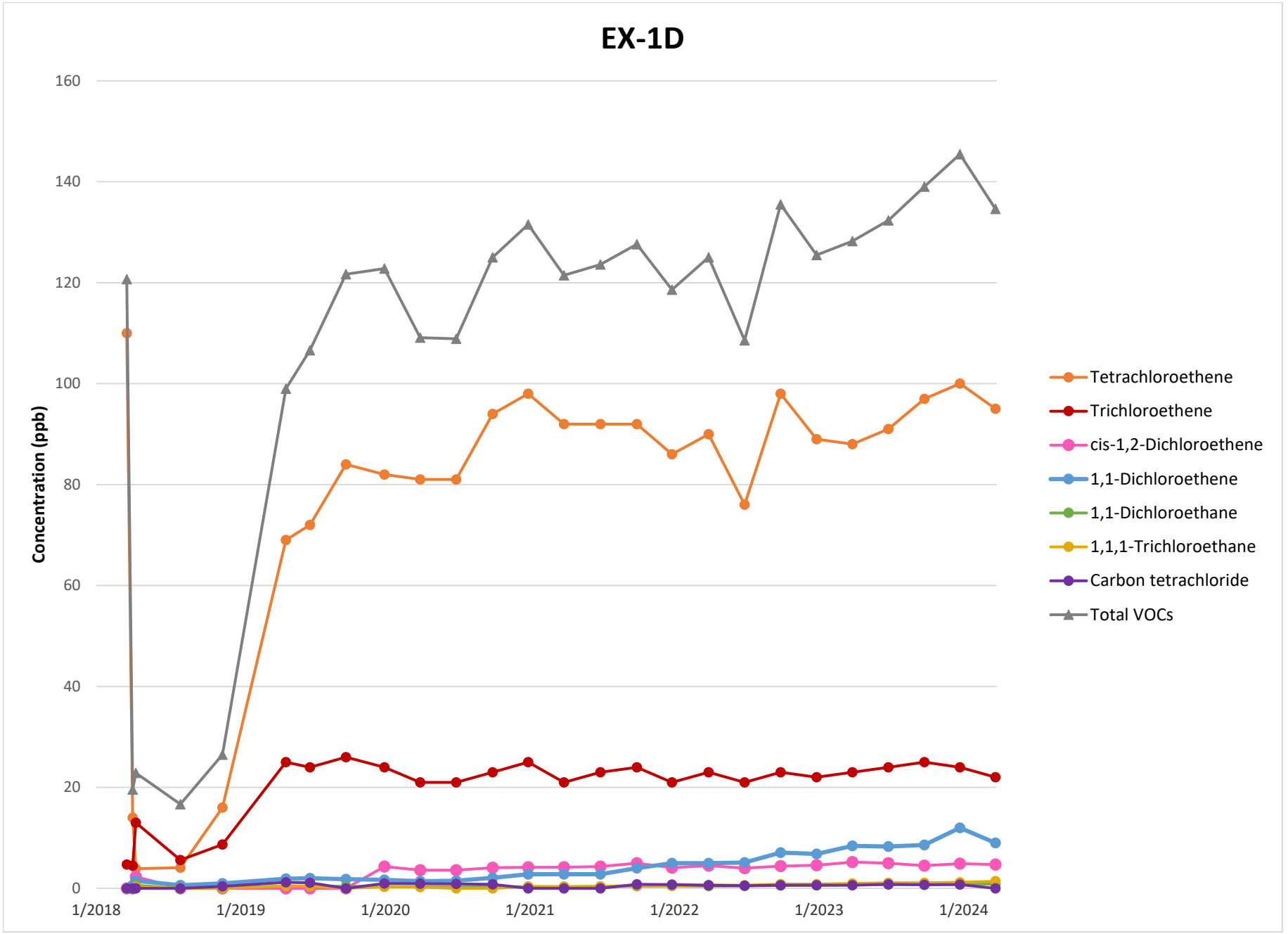
Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

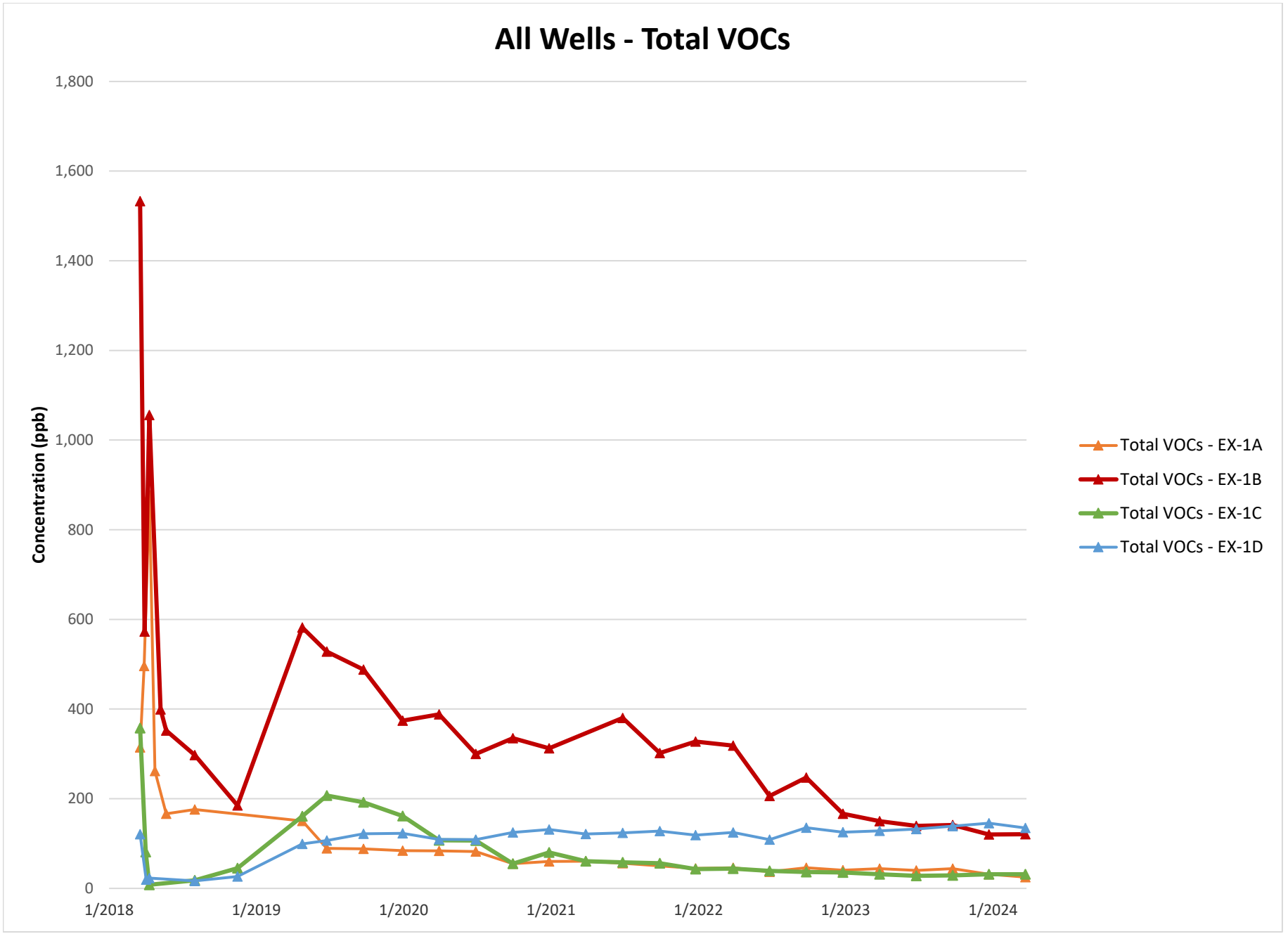
Appendix E
Groundwater Extraction Well Sampling
Historical Results


EX-1A
Concentration (ppb)
1,000
900
800
700
600
500
400
300
200
100
0
1/2018
1/2019
1/2020
1/2021
1/2022
1/2023
1/2024
Tetrachloroethene
Trichloroethene
cis-1,2-Dichloroethene
1,1-Dichloroethene
Total VOCs


EX-1B
Concentration (ppb)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
1/2018
1/2019
1/2020
1/2021
1/2022
1/2023
1/2024
Tetrachloroethene
Trichloroethene
cis-1,2-Dichloroethene
Total VOCs


EX-1C
Concentration (ppb)
400
350
300
250
200
150
100
50
0
1/2018
1/2019
1/2020
1/2021
1/2022
1/2023
1/2024
Tetrachloroethene
Trichloroethene
cis-1,2-Dichloroethene
1,1-Dichloroethane
1,1-Dichloroethene
Total VOCs


EX-1D
Concentration (ppb)
160
140
120
100
80
60
40
20
0
1/2018
1/2019
1/2020
1/2021
1/2022
1/2023
1/2024
Tetrachloroethene
Trichloroethene
cis-1,2-Dichloroethene
1,1-Dichloroethene
1,1-Dichloroethane
1,1,1-Trichloroethane
Carbon tetrachloride
Total VOCs


All Wells - Total VOCs
Concentration (ppb)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
1/2018
1/2019
1/2020
1/2021
1/2022
1/2023
1/2024
Total VOCs - EX-1A
Total VOCs - EX-1B
Total VOCs - EX-1C
Total VOCs - EX-1D