

January 10, 2025

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

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

Re: Progress Report: December 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 December 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 December, no alarm calls were received.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on December 9 using Summa canisters. These samples were obtained by EnviroTrac, submitted to Pace Analytical Laboratories, and analyzed by Method TO-15. Results are included in Appendix B. Results for samples collected on November 22 are also included in Appendix B due to a laboratory delay that caused the results to be omitted from the November monthly report.
- Photoionization detector readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [14,488 micrograms per cubic meter [$\mu\text{g}/\text{m}^3$] in November and 4,433 $\mu\text{g}/\text{m}^3$ in December) continue to indicate significant mass extraction.
- A carbon exchange was performed on December 4. Effluent concentrations are below the carbon exchange indicator concentrations as shown below.

Frost Street Sites Effluent Compliance				
System Flow Rate =			800	ft ³ /min
Compound	Annual Mass Emission Limit ¹ (lbs/year)	Carbon Exchange Required Indicator Concentration (µg/m ³) ²	November 2024 Effluent Concentration (µg/m ³)	December 2024 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	4.1	4.5
Tetrachloroethene	1,000	38,000	117	70.5
Vinyl Chloride	100	3,800	ND	ND
Cis-1,2-Dichloroethene ³	100	3,800	246	0.884

Notes:

ft/min cubic feet per minute

lbs/year pounds per year

µg/m³ micrograms per cubic meter

ND not detected

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 (December 9 – 300 gallons and December 30 – 550 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 December. To date, over 492 million gallons of groundwater and approximately 525 pounds of VOCs have been removed by this system.

Quarterly samples were collected from each extraction well on December 30 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
1,1-Dichloroethane	ND	ND	ND	0.91
1,1-Dichloroethene	ND	ND	0.7	11
Bromomethane	0.31	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	0.52
Chloroform	ND	ND	ND	1.9
cis-1,2-Dichloroethene	1.6	16	0.62	4
Tetrachloroethene	40	95	18	79
Trichloroethene	2.4	5.5	2	19
Total VOCs	44.31	116.5	21.32	117.3

If you have any questions or require additional information, please do not hesitate to contact me at 860-665-1140 or astark@ensafe.com.

Sincerely,

EnSafe, Inc., by



Alexandra Stark, P.E.

Attachments

Copies:	A. Tamuno, Esq., NYSDEC	<i>Via email to amtamuno@gw.dec.state.ny.us</i>
	S. Bogardus, NYSDOH	<i>Via email to sara.bogardus@health.ny.gov</i>
	R. Putnam, NCDOH	<i>Via email to rputnam@nassaucountyny.gov</i>
	J. Vazquez, U.S. EPA	<i>Via email to vazquez.julio@epa.gov</i>
	T. Pupilla, Sanders Equities	<i>Via email to tpupilla@sandersequities.com</i>
	M. Peters, The West Firm	<i>Via email to mpeters@westfirmlaw.com</i>
	P. Coop, EnSafe	<i>Via email to pcoop@ensafe.com</i>
	J. Wilkinson, Envirotrac	<i>Via email to jamesw@envirotrac.com</i>

Appendix A
AS/SVE System Operation and Maintenance Logs

Operation & Maintenance Data Sheet

Ensae-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: 9-Dec
Weather / Temp: Rain / 50 DEG
Technician / Operator: JW

Arrival Time: 11:00
Departure Time: 13:00

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	OFF		OFF		AS Compressor 1 (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	ON		ON		AS Compressor 2 (ON/OFF)	OFF		OFF	
					Air Cooler (ON/OFF)	ON		ON	
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4200		825		Blower 1 Total Runtime (hrs)	76,518.6			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	76,104.8			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	46				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3				VGAC-1 Influent PID (ppm)	1			
VGAC-1 Influent Vacuum ("H2O)	40				VGAC-1 Effluent PID (ppm)	0			
VGAC-1 Effluent Vacuum ("H2O)	44				VGAC-2 Influent PID (ppm)	1			
VGAC-2 Influent Vacuum ("H2O)	40				VGAC-2 Effluent PID (ppm)	0			
VGAC-2 Effluent Vacuum ("H2O)	41				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)	130				Transfer Pump Total Runtime (hrs)	25,322.7			
Blower Effluent Pressure ("H2O)	19				Condensate Storage Tank Level (gal)	200			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	44	6500	142	2	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	39	3800	83	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	46	3500	76	2	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	46	2500	55	1
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	36	4800	105	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	42	5500	120	14
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	36	3800	83	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	40	2500	55	0
Air Sparge System									
Compressor 1 Pressure (psi)	14				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	30,779.4				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	142				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	71				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	17				AS Manifold Temperature (degF)	58			
Air Cooler Outlet Pressure (psi)	17				AS Manifold Pressure	17			
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate				Pressure	Flow Rate		
AS-1 (psi)/(cfm)	17	9	AS-11 (psi)/(cfm)		15		10		
AS-2 (psi)/(cfm)	17	9	AS-12B (psi)/(cfm)		17		8		
AS-3 (psi)/(cfm)	13	8	AS-13B (psi)/(cfm)		16		11		
AS-4 (psi)/(cfm)	16	10	AS-14 (psi)/(cfm)		16		10		
AS-5 (psi)/(cfm)	17	9	AS-15 (psi)/(cfm)		17		11		
AS-6 (psi)/(cfm)	17	10	AS-16B (psi)/(cfm)		15		10		
AS-7 (psi)/(cfm)	17	6	AS-17 (psi)/(cfm)		17		11		
AS-8 (psi)/(cfm)	16	13	AS-18 (psi)/(cfm)		15		12		
AS-9 (psi)/(cfm)	18	10	AS-19 (psi)/(cfm)		16		6		
AS-10B (psi)/(cfm)	15	10							

Notes, Comments & Observations:

Collected monthly air samples.

Discharged 300 gallons on 12/9 and 550 gallons on 12/30.

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

Arrival Time: 11:00
Departure Time: 13:00

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 10/28/24
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 10/28/24
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 7/23/24
-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 Vapor Influent/Effluent Sampling
Laboratory Analytical Results



ANALYTICAL REPORT

Lab Number:	L2469417
Client:	Envirotrac Ltd. 5 Old Dock Road Yaphank, NY 11980
ATTN:	Jim Wilkinson
Phone:	(631) 924-3001
Project Name:	FROST ST. 001
Project Number:	Not Specified
Report Date:	12/13/24

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NH ELAP (2249).

120 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.pacelabs.com



Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2469417
Report Date: 12/13/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2469417-01	SVE EFFLUENT	SOIL_VAPOR	WESTBURY, NY	11/22/24 12:00	11/25/24
L2469417-02	SVE INFLUENT	SOIL_VAPOR	WESTBURY, NY	11/22/24 12:05	11/25/24

Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2469417
Report Date: 12/13/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 22, 2024. The canister certification data is provided as an addendum.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 12/13/24

AIR

Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2469417
Report Date: 12/13/24

SAMPLE RESULTS

Lab ID: L2469417-01
 Client ID: SVE EFFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 11/22/24 12:00
 Date Received: 11/25/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/10/24 08:07
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.423	0.200	--	2.09	0.989	--		1
Chloromethane	0.215	0.200	--	0.444	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	11.8	5.00	--	22.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.2	1.00	--	40.9	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	16.5	0.500	--	40.6	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.709	0.200	--	2.81	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.04	0.500	--	6.02	1.47	--		1
cis-1,2-Dichloroethene	62.0	0.200	--	246	0.793	--		1



Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2469417
Report Date: 12/13/24

SAMPLE RESULTS

Lab ID: L2469417-01
 Client ID: SVE EFFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 11/22/24 12:00
 Date Received: 11/25/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.710	0.500	--	2.09	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.763	0.200	--	4.10	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.430	0.200	--	1.62	0.754	--		1
2-Hexanone	0.290	0.200	--	1.19	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	17.2	0.200	--	117	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24**SAMPLE RESULTS**

Lab ID: L2469417-01
 Client ID: SVE EFFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 11/22/24 12:00
 Date Received: 11/25/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.225	0.200	--	1.11	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140



Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2469417
Report Date: 12/13/24

SAMPLE RESULTS

Lab ID: L2469417-02
 Client ID: SVE INFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 11/22/24 12:05
 Date Received: 11/25/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/10/24 07:28
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.445	0.200	--	2.20	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.0	5.00	--	26.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.81	1.00	--	9.05	2.38	--		1
Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--		1
Isopropanol	2.58	0.500	--	6.34	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.653	0.200	--	2.59	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.780	0.500	--	2.30	1.47	--		1
cis-1,2-Dichloroethene	60.4	0.200	--	239	0.793	--		1



Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24**SAMPLE RESULTS**

Lab ID: L2469417-02
 Client ID: SVE INFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 11/22/24 12:05
 Date Received: 11/25/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.785	0.500	--	2.32	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.753	0.200	--	2.65	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.487	0.200	--	1.56	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.295	0.200	--	1.02	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.979	0.200	--	6.56	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	111	0.200	--	597	1.07	--	E	1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.376	0.200	--	1.54	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.15	0.200	--	8.10	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	228	0.200	--	1550	1.36	--	E	1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.487	0.200	--	2.12	0.869	--		1



Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24**SAMPLE RESULTS**

Lab ID: L2469417-02
 Client ID: SVE INFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 11/22/24 12:05
 Date Received: 11/25/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.00	0.400	--	8.69	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.708	0.200	--	3.08	0.869	--		1
4-Ethyltoluene	0.213	0.200	--	1.05	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.956	0.200	--	4.70	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140



Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24**SAMPLE RESULTS**

Lab ID: L2469417-02 D2

Client ID: SVE INFLUENT

Sample Location: WESTBURY, NY

Date Collected: 11/22/24 12:05

Date Received: 11/25/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 12/13/24 04:13

Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	158	4.66	--	849	25.0	--		23.32
Tetrachloroethene	1970	4.66	--	13400	31.6	--		23.32

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140



Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/09/24 17:56

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2007007-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/09/24 17:56

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2007007-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: FROST ST. 001

Lab Number: L2469417

Project Number: Not Specified

Report Date: 12/13/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/09/24 17:56

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2007007-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: FROST ST. 001

Lab Number: L2469417

Project Number: Not Specified

Report Date: 12/13/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/12/24 19:58

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG2008603-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/12/24 19:58

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG2008603-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: FROST ST. 001

Lab Number: L2469417

Project Number: Not Specified

Report Date: 12/13/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/12/24 19:58

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG2008603-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2469417

Report Date: 12/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 Batch: WG2007007-3								
Dichlorodifluoromethane	91		-		70-130	-		
Chloromethane	75		-		70-130	-		
Freon-114	97		-		70-130	-		
Vinyl chloride	89		-		70-130	-		
1,3-Butadiene	96		-		70-130	-		
Bromomethane	107		-		70-130	-		
Chloroethane	110		-		70-130	-		
Ethanol	105		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	103		-		40-160	-		
Trichlorofluoromethane	107		-		70-130	-		
Isopropanol	93		-		40-160	-		
1,1-Dichloroethene	109		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	110		-		70-130	-		
3-Chloropropene	102		-		70-130	-		
Carbon disulfide	86		-		70-130	-		
Freon-113	101		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	103		-		70-130	-		
Methyl tert butyl ether	99		-		70-130	-		
2-Butanone	100		-		70-130	-		
cis-1,2-Dichloroethene	106		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2469417

Report Date: 12/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 Batch: WG2007007-3								
Ethyl Acetate	94		-		70-130	-		
Chloroform	109		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
1,2-Dichloroethane	109		-		70-130	-		
n-Hexane	102		-		70-130	-		
1,1,1-Trichloroethane	110		-		70-130	-		
Benzene	102		-		70-130	-		
Carbon tetrachloride	122		-		70-130	-		
Cyclohexane	100		-		70-130	-		
1,2-Dichloropropane	105		-		70-130	-		
Bromodichloromethane	109		-		70-130	-		
1,4-Dioxane	99		-		70-130	-		
Trichloroethene	111		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
Heptane	106		-		70-130	-		
cis-1,3-Dichloropropene	115		-		70-130	-		
4-Methyl-2-pentanone	111		-		70-130	-		
trans-1,3-Dichloropropene	122		-		70-130	-		
1,1,2-Trichloroethane	109		-		70-130	-		
Toluene	95		-		70-130	-		
2-Hexanone	92		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2469417

Report Date: 12/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-02 Batch: WG2007007-3								
Tetrachloroethene	87		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	106		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	106		-		70-130	-		
4-Ethyltoluene	100		-		70-130	-		
1,3,5-Trimethylbenzene	116		-		70-130	-		
1,2,4-Trimethylbenzene	118		-		70-130	-		
Benzyl chloride	93		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	104		-		70-130	-		
1,2-Dichlorobenzene	100		-		70-130	-		
1,2,4-Trichlorobenzene	88		-		70-130	-		
Naphthalene	86		-		70-130	-		
Hexachlorobutadiene	84		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2469417

Report Date: 12/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG2008603-3								
Dichlorodifluoromethane	100		-		70-130	-		
Chloromethane	82		-		70-130	-		
Freon-114	98		-		70-130	-		
Vinyl chloride	80		-		70-130	-		
1,3-Butadiene	110		-		70-130	-		
Bromomethane	95		-		70-130	-		
Chloroethane	81		-		70-130	-		
Ethanol	83		-		40-160	-		
Vinyl bromide	85		-		70-130	-		
Acetone	83		-		40-160	-		
Trichlorofluoromethane	98		-		70-130	-		
Isopropanol	82		-		40-160	-		
1,1-Dichloroethene	92		-		70-130	-		
Tertiary butyl Alcohol	91		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	89		-		70-130	-		
Carbon disulfide	88		-		70-130	-		
Freon-113	89		-		70-130	-		
trans-1,2-Dichloroethene	88		-		70-130	-		
1,1-Dichloroethane	84		-		70-130	-		
Methyl tert butyl ether	92		-		70-130	-		
2-Butanone	87		-		70-130	-		
cis-1,2-Dichloroethene	87		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2469417

Report Date: 12/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG2008603-3								
Ethyl Acetate	80		-		70-130	-		
Chloroform	105		-		70-130	-		
Tetrahydrofuran	81		-		70-130	-		
1,2-Dichloroethane	93		-		70-130	-		
n-Hexane	115		-		70-130	-		
1,1,1-Trichloroethane	111		-		70-130	-		
Benzene	101		-		70-130	-		
Carbon tetrachloride	119		-		70-130	-		
Cyclohexane	117		-		70-130	-		
1,2-Dichloropropane	94		-		70-130	-		
Bromodichloromethane	132	Q	-		70-130	-		
1,4-Dioxane	120		-		70-130	-		
Trichloroethene	112		-		70-130	-		
2,2,4-Trimethylpentane	113		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	108		-		70-130	-		
4-Methyl-2-pentanone	105		-		70-130	-		
trans-1,3-Dichloropropene	115		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	85		-		70-130	-		
2-Hexanone	83		-		70-130	-		
Dibromochloromethane	107		-		70-130	-		
1,2-Dibromoethane	82		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2469417

Report Date: 12/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG2008603-3								
Tetrachloroethene	84		-		70-130	-		
Chlorobenzene	82		-		70-130	-		
Ethylbenzene	88		-		70-130	-		
p/m-Xylene	92		-		70-130	-		
Bromoform	105		-		70-130	-		
Styrene	82		-		70-130	-		
1,1,2,2-Tetrachloroethane	96		-		70-130	-		
o-Xylene	93		-		70-130	-		
4-Ethyltoluene	90		-		70-130	-		
1,3,5-Trimethylbenzene	89		-		70-130	-		
1,2,4-Trimethylbenzene	92		-		70-130	-		
Benzyl chloride	99		-		70-130	-		
1,3-Dichlorobenzene	91		-		70-130	-		
1,4-Dichlorobenzene	92		-		70-130	-		
1,2-Dichlorobenzene	88		-		70-130	-		
1,2,4-Trichlorobenzene	106		-		70-130	-		
Naphthalene	114		-		70-130	-		
Hexachlorobutadiene	99		-		70-130	-		

Project Name: FROST ST. 001

Serial_No:12132414:53
Lab Number: L2469417

Project Number:

Report Date: 12/13/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controller Leak Chk	Flow Out mL/min	Flow In	% RPD
L2469417-01	SVE EFFLUENT	02328	Flow 1	11/21/24	494405		-	-	-	Pass	144	149	3
L2469417-01	SVE EFFLUENT	2764	2.7L Can	11/21/24	494405	L2464095-02	Pass	-29.2	-6.3	-	-	-	-
L2469417-02	SVE INFLUENT	0159	Flow 4	11/22/24	492090		-	-	-	Pass	3.0	149	192
L2469417-02	SVE INFLUENT	3883	2.7L Can	11/21/24	494405	L2465012-02	Pass	-29.2	-6.5	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2464095
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2464095-02
Client ID: CAN 1730 SHELF 78
Sample Location:

Date Collected: 11/01/24 14:00
Date Received: 11/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/04/24 22:49
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2464095
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2464095-02
Client ID: CAN 1730 SHELF 78
Sample Location:

Date Collected: 11/01/24 14:00
Date Received: 11/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2464095
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2464095-02
Client ID: CAN 1730 SHELF 78
Sample Location:

Date Collected: 11/01/24 14:00
Date Received: 11/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2464095
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2464095-02
Client ID: CAN 1730 SHELF 78
Sample Location:

Date Collected: 11/01/24 14:00
Date Received: 11/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2464095**Project Number:** CANISTER QC BAT**Report Date:** 12/13/24**Air Canister Certification Results**

Lab ID: L2464095-02

Date Collected: 11/01/24 14:00

Client ID: CAN 1730 SHELF 78

Date Received: 11/04/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2464095
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2464095-02
Client ID: CAN 1730 SHELF 78
Sample Location:

Date Collected: 11/01/24 14:00
Date Received: 11/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/04/24 22:49
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2464095
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2464095-02
Client ID: CAN 1730 SHELF 78
Sample Location:

Date Collected: 11/01/24 14:00
Date Received: 11/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2464095**Project Number:** CANISTER QC BAT**Report Date:** 12/13/24**Air Canister Certification Results**

Lab ID: L2464095-02

Date Collected: 11/01/24 14:00

Client ID: CAN 1730 SHELF 78

Date Received: 11/04/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2465012
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2465012-02
Client ID: CAN 2204 SHELF 22
Sample Location:

Date Collected: 11/06/24 10:00
Date Received: 11/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/07/24 18:34
Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2465012
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2465012-02
Client ID: CAN 2204 SHELF 22
Sample Location:

Date Collected: 11/06/24 10:00
Date Received: 11/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2465012
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2465012-02
Client ID: CAN 2204 SHELF 22
Sample Location:

Date Collected: 11/06/24 10:00
Date Received: 11/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2465012
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2465012-02
Client ID: CAN 2204 SHELF 22
Sample Location:

Date Collected: 11/06/24 10:00
Date Received: 11/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2465012**Project Number:** CANISTER QC BAT**Report Date:** 12/13/24**Air Canister Certification Results**

Lab ID: L2465012-02

Date Collected: 11/06/24 10:00

Client ID: CAN 2204 SHELF 22

Date Received: 11/07/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.3	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	85		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2465012
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2465012-02
Client ID: CAN 2204 SHELF 22
Sample Location:

Date Collected: 11/06/24 10:00
Date Received: 11/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/07/24 18:34
Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2465012
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2465012-02
Client ID: CAN 2204 SHELF 22
Sample Location:

Date Collected: 11/06/24 10:00
Date Received: 11/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2465012
Report Date: 12/13/24

Air Canister Certification Results

Lab ID: L2465012-02
Client ID: CAN 2204 SHELF 22
Sample Location:

Date Collected: 11/06/24 10:00
Date Received: 11/07/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	88		60-140



Project Name: FROST ST. 001
Project Number: Not Specified

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2469417-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2469417-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days



Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24**Footnotes**

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24**Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: FROST ST. 001**Lab Number:** L2469417**Project Number:** Not Specified**Report Date:** 12/13/24

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **23**Published Date: **12/09/2024**Page **1** of **1****Certification Information**

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9223B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Project Manager.



CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: EnviroTrac
Address: 5 Old Dock Rd
Yaphank, NY 11980
Phone: (631) 924-3001

Fax:

Email: jamesw@envirotree.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: Frost St. 001

Project Location: Westbury, NY

Project #

Project Manager: JIM WILKINSON

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only permitted if pre-approved)

Date Due:

Time:

Date Rec'd in Lab: 11/26/24

Report Information - Data Deliverables

☐ FAX☐ ADEx

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☒ EMAIL (standard pdf report)☐ Additional Deliverables:

Report to: (if different than Project Manager)

ALPHA Job #: L2469417

Billing Information

☐ Same as Client info PO #

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
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ANALYSIS

All Columns Below Must Be Filled Out[illegible]

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L2472384
Client:	Envirotrac Ltd. 5 Old Dock Road Yaphank, NY 11980
ATTN:	Jim Wilkinson
Phone:	(631) 924-3001
Project Name:	FROST ST. 001
Project Number:	Not Specified
Report Date:	12/30/24

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NH ELAP (2249).

120 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.pacelabs.com



Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2472384
Report Date: 12/30/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2472384-01	SVE EFFLUENT	SOIL_VAPOR	WESTBURY, NY	12/09/24 11:52	12/10/24
L2472384-02	SVE INFLUENT	SOIL_VAPOR	WESTBURY, NY	12/09/24 12:00	12/10/24

Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2472384
Report Date: 12/30/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2472384
Report Date: 12/30/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 5, 2024. The canister certification data is provided as an addendum.

Sample Receipt

The "canister ID numbers" used by the client on the CoC are actually the manufacturer's serial number.

L2472384-02: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2472384-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG2013398-2 CCAL recovery for ethanol, associated with L2472384-01 and -02, is above the upper 30% D acceptance limit. Results may be biased high for this analyte.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Jennifer Jerome

Title: Technical Director/Representative

Date: 12/30/24

AIR

Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2472384
Report Date: 12/30/24

SAMPLE RESULTS

Lab ID: L2472384-01
 Client ID: SVE EFFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 12/09/24 11:52
 Date Received: 12/10/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/26/24 17:27
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.216	0.200	--	1.07	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	11.3	5.00	--	21.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.7	1.00	--	27.8	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	6.50	1.00	--	16.0	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.82	0.500	--	5.37	1.47	--		1
cis-1,2-Dichloroethene	0.223	0.200	--	0.884	0.793	--		1



Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2472384
Report Date: 12/30/24

SAMPLE RESULTS

Lab ID: L2472384-01
 Client ID: SVE EFFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 12/09/24 11:52
 Date Received: 12/10/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.582	0.200	--	3.13	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.205	0.200	--	0.773	0.754	--		1
2-Hexanone	0.448	0.200	--	1.84	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	10.4	0.200	--	70.5	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: FROST ST. 001**Lab Number:** L2472384**Project Number:** Not Specified**Report Date:** 12/30/24**SAMPLE RESULTS**

Lab ID: L2472384-01
 Client ID: SVE EFFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 12/09/24 11:52
 Date Received: 12/10/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	91		60-140



Project Name: FROST ST. 001
Project Number: Not Specified

Lab Number: L2472384
Report Date: 12/30/24

SAMPLE RESULTS

Lab ID: L2472384-02
 Client ID: SVE INFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 12/09/24 12:00
 Date Received: 12/10/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/26/24 18:07
 Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.500	0.200	--	2.47	0.989	--		1
Chloromethane	0.450	0.200	--	0.929	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.8	5.00	--	27.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.24	1.00	--	17.2	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	3.82	1.00	--	9.39	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.392	0.200	--	1.55	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.32	0.500	--	3.89	1.47	--		1
cis-1,2-Dichloroethene	40.0	0.200	--	159	0.793	--		1



Project Name: FROST ST. 001**Lab Number:** L2472384**Project Number:** Not Specified**Report Date:** 12/30/24**SAMPLE RESULTS**

Lab ID: L2472384-02
 Client ID: SVE INFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 12/09/24 12:00
 Date Received: 12/10/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.26	0.500	--	3.72	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	80.7	0.200	--	434	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.267	0.200	--	1.01	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	175	0.200	--	1190	1.36	--	E	1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: FROST ST. 001**Lab Number:** L2472384**Project Number:** Not Specified**Report Date:** 12/30/24**SAMPLE RESULTS**

Lab ID: L2472384-02
 Client ID: SVE INFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 12/09/24 12:00
 Date Received: 12/10/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	101		60-140



Project Name: FROST ST. 001**Lab Number:** L2472384**Project Number:** Not Specified**Report Date:** 12/30/24**SAMPLE RESULTS**

Lab ID: L2472384-02 D

Client ID: SVE INFLUENT

Sample Location: WESTBURY, NY

Date Collected: 12/09/24 12:00

Date Received: 12/10/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 12/27/24 20:05

Analyst: KJD

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	566	2.00	--	3840	13.6	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	103		60-140



Project Name: FROST ST. 001

Lab Number: L2472384

Project Number: Not Specified

Report Date: 12/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/26/24 16:09

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG2013398-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: FROST ST. 001

Lab Number: L2472384

Project Number: Not Specified

Report Date: 12/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/26/24 16:09

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG2013398-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: FROST ST. 001

Lab Number: L2472384

Project Number: Not Specified

Report Date: 12/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/26/24 16:09

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG2013398-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: FROST ST. 001

Lab Number: L2472384

Project Number: Not Specified

Report Date: 12/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/27/24 15:19

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab for sample(s): 02 Batch: WG2014257-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: FROST ST. 001

Lab Number: L2472384

Project Number: Not Specified

Report Date: 12/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/27/24 15:19

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab for sample(s): 02 Batch: WG2014257-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: FROST ST. 001

Lab Number: L2472384

Project Number: Not Specified

Report Date: 12/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/27/24 15:19

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Air Lab for sample(s): 02 Batch: WG2014257-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2472384

Report Date: 12/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG2013398-3								
Dichlorodifluoromethane	102		-		70-130	-		
Chloromethane	89		-		70-130	-		
Freon-114	108		-		70-130	-		
Vinyl chloride	98		-		70-130	-		
1,3-Butadiene	110		-		70-130	-		
Bromomethane	99		-		70-130	-		
Chloroethane	102		-		70-130	-		
Ethanol	135		-		40-160	-		
Vinyl bromide	104		-		70-130	-		
Acetone	111		-		40-160	-		
Trichlorofluoromethane	107		-		70-130	-		
Isopropanol	95		-		40-160	-		
1,1-Dichloroethene	101		-		70-130	-		
Tertiary butyl Alcohol	99		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	89		-		70-130	-		
Freon-113	94		-		70-130	-		
trans-1,2-Dichloroethene	95		-		70-130	-		
1,1-Dichloroethane	93		-		70-130	-		
Methyl tert butyl ether	102		-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2472384

Report Date: 12/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG2013398-3								
Ethyl Acetate	98		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
1,2-Dichloroethane	108		-		70-130	-		
n-Hexane	106		-		70-130	-		
1,1,1-Trichloroethane	107		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	118		-		70-130	-		
Cyclohexane	102		-		70-130	-		
1,2-Dichloropropane	97		-		70-130	-		
Bromodichloromethane	113		-		70-130	-		
1,4-Dioxane	102		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	106		-		70-130	-		
Heptane	110		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	118		-		70-130	-		
trans-1,3-Dichloropropene	112		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	78		-		70-130	-		
2-Hexanone	89		-		70-130	-		
Dibromochloromethane	99		-		70-130	-		
1,2-Dibromoethane	84		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2472384

Report Date: 12/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG2013398-3								
Tetrachloroethene	70		-		70-130	-		
Chlorobenzene	81		-		70-130	-		
Ethylbenzene	83		-		70-130	-		
p/m-Xylene	88		-		70-130	-		
Bromoform	101		-		70-130	-		
Styrene	88		-		70-130	-		
1,1,2,2-Tetrachloroethane	89		-		70-130	-		
o-Xylene	93		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	98		-		70-130	-		
1,2,4-Trimethylbenzene	102		-		70-130	-		
Benzyl chloride	105		-		70-130	-		
1,3-Dichlorobenzene	89		-		70-130	-		
1,4-Dichlorobenzene	95		-		70-130	-		
1,2-Dichlorobenzene	85		-		70-130	-		
1,2,4-Trichlorobenzene	80		-		70-130	-		
Naphthalene	80		-		70-130	-		
Hexachlorobutadiene	73		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2472384

Report Date: 12/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 02 Batch: WG2014257-3								
Dichlorodifluoromethane	79		-		70-130	-		
Chloromethane	76		-		70-130	-		
Freon-114	93		-		70-130	-		
Vinyl chloride	77		-		70-130	-		
1,3-Butadiene	91		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	70		-		70-130	-		
Ethanol	67		-		40-160	-		
Vinyl bromide	77		-		70-130	-		
Acetone	68		-		40-160	-		
Trichlorofluoromethane	80		-		70-130	-		
Isopropanol	61		-		40-160	-		
1,1-Dichloroethene	94		-		70-130	-		
Tertiary butyl Alcohol	106		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	84		-		70-130	-		
Carbon disulfide	90		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	88		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
2-Butanone	83		-		70-130	-		
cis-1,2-Dichloroethene	90		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2472384

Report Date: 12/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 02 Batch: WG2014257-3								
Ethyl Acetate	96		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	77		-		70-130	-		
1,2-Dichloroethane	94		-		70-130	-		
n-Hexane	108		-		70-130	-		
1,1,1-Trichloroethane	108		-		70-130	-		
Benzene	104		-		70-130	-		
Carbon tetrachloride	121		-		70-130	-		
Cyclohexane	103		-		70-130	-		
1,2-Dichloropropane	99		-		70-130	-		
Bromodichloromethane	119		-		70-130	-		
1,4-Dioxane	102		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	111		-		70-130	-		
Heptane	98		-		70-130	-		
cis-1,3-Dichloropropene	117		-		70-130	-		
4-Methyl-2-pentanone	99		-		70-130	-		
trans-1,3-Dichloropropene	124		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	87		-		70-130	-		
2-Hexanone	83		-		70-130	-		
Dibromochloromethane	99		-		70-130	-		
1,2-Dibromoethane	91		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2472384

Report Date: 12/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 02 Batch: WG2014257-3								
Tetrachloroethene	85		-		70-130	-		
Chlorobenzene	89		-		70-130	-		
Ethylbenzene	87		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	93		-		70-130	-		
Styrene	88		-		70-130	-		
1,1,2,2-Tetrachloroethane	93		-		70-130	-		
o-Xylene	90		-		70-130	-		
4-Ethyltoluene	87		-		70-130	-		
1,3,5-Trimethylbenzene	92		-		70-130	-		
1,2,4-Trimethylbenzene	89		-		70-130	-		
Benzyl chloride	88		-		70-130	-		
1,3-Dichlorobenzene	88		-		70-130	-		
1,4-Dichlorobenzene	92		-		70-130	-		
1,2-Dichlorobenzene	88		-		70-130	-		
1,2,4-Trichlorobenzene	81		-		70-130	-		
Naphthalene	91		-		70-130	-		
Hexachlorobutadiene	72		-		70-130	-		

Project Name: FROST ST. 001

Serial_No:12302412:44
Lab Number: L2472384

Project Number:

Report Date: 12/30/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controller Leak Chk	Flow Out mL/min	Flow In	% RPD
L2472384-01	SVE EFFLUENT	01808	Flow 1	12/05/24	496538		-	-	-	Pass	144	136	6
L2472384-01	SVE EFFLUENT	3882	2.7L Can	12/05/24	496538	L2470425-02	Pass	-29.5	-5.1	-	-	-	-
L2472384-02	SVE INFLUENT	01946	Flow 1	12/05/24	496538		-	-	-	Pass	144	146	1
L2472384-02	SVE INFLUENT	2372	2.7L Can	12/05/24	496538	L2470425-02	Pass	-29.5	-7.2	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2470425
Report Date: 12/30/24

Air Canister Certification Results

Lab ID: L2470425-02
Client ID: CAN 550 SHELF 2
Sample Location:

Date Collected: 12/02/24 18:00
Date Received: 12/03/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 12/03/24 20:00
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2470425
Report Date: 12/30/24

Air Canister Certification Results

Lab ID: L2470425-02
Client ID: CAN 550 SHELF 2
Sample Location:

Date Collected: 12/02/24 18:00
Date Received: 12/03/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2470425
Report Date: 12/30/24

Air Canister Certification Results

Lab ID: L2470425-02
Client ID: CAN 550 SHELF 2
Sample Location:

Date Collected: 12/02/24 18:00
Date Received: 12/03/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2470425
Report Date: 12/30/24

Air Canister Certification Results

Lab ID: L2470425-02
Client ID: CAN 550 SHELF 2
Sample Location:

Date Collected: 12/02/24 18:00
Date Received: 12/03/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470425**Project Number:** CANISTER QC BAT**Report Date:** 12/30/24**Air Canister Certification Results**

Lab ID: L2470425-02

Date Collected: 12/02/24 18:00

Client ID: CAN 550 SHELF 2

Date Received: 12/03/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2470425
Report Date: 12/30/24

Air Canister Certification Results

Lab ID: L2470425-02
Client ID: CAN 550 SHELF 2
Sample Location:

Date Collected: 12/02/24 18:00
Date Received: 12/03/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/03/24 20:00
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2470425
Report Date: 12/30/24

Air Canister Certification Results

Lab ID: L2470425-02
Client ID: CAN 550 SHELF 2
Sample Location:

Date Collected: 12/02/24 18:00
Date Received: 12/03/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470425**Project Number:** CANISTER QC BAT**Report Date:** 12/30/24**Air Canister Certification Results**

Lab ID: L2470425-02

Date Collected: 12/02/24 18:00

Client ID: CAN 550 SHELF 2

Date Received: 12/03/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	89		60-140



Project Name: FROST ST. 001
Project Number: Not Specified

Serial_No:12302412:44
Lab Number: L2472384
Report Date: 12/30/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2472384-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2472384-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days



Project Name: FROST ST. 001**Lab Number:** L2472384**Project Number:** Not Specified**Report Date:** 12/30/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name: FROST ST. 001**Lab Number:** L2472384**Project Number:** Not Specified**Report Date:** 12/30/24**Footnotes**

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: FROST ST. 001**Lab Number:** L2472384**Project Number:** Not Specified**Report Date:** 12/30/24**Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: FROST ST. 001**Lab Number:** L2472384**Project Number:** Not Specified**Report Date:** 12/30/24

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **23**Published Date: **12/09/2024**Page **1** of **1****Certification Information**

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Project Manager.

Appendix C
AS/SVE System Condensate Water Sampling
Laboratory Analytical Results



Friday, January 03, 2025

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

Project ID: FROST STREET-OU1
SDG ID: GCS36479
Sample ID#s: CS36479, CS36526

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.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

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



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



Sample Id Cross Reference

January 03, 2025

SDG I.D.: GCS36479

Project ID: FROST STREET-OU1

Client Id	Lab Id	Matrix
SVE DISCHARGE WATER	CS36479	GROUND WATER
TB	CS36526	WATER



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



Analysis Report

January 03, 2025

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

Sample Information

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

Custody Information

Collected by: JW
Received by: SR1
Analyzed by: see "By" below

Date

12/30/24
12/30/24

Time

9:00
18:10

Laboratory Data

SDG ID: GCS36479
Phoenix ID: CS36479

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cadmium	< 0.001	0.001		mg/L	1	01/02/25	TH	SW6010D
Chromium	< 0.001	0.001		mg/L	1	01/02/25	TH	SW6010D
Copper	0.005	0.005		mg/L	1	01/02/25	TH	SW6010D
Iron	0.035	0.010		mg/L	1	01/02/25	TH	SW6010D
Nickel	< 0.001	0.001		mg/L	1	01/02/25	TH	SW6010D
Zinc	< 0.004	0.004		mg/L	1	01/02/25	TH	SW6010D
Chromium, Hexavalent	< 0.01	0.01		mg/L	1	12/30/24 19:24	KL1	SM3500CRB-11
PCB Extraction	Completed					12/31/24	M/M	E608.3
Total Metals Digestion	Completed					12/31/24	AG	SW3010A

Polychlorinated Biphenyls

PCB-1016	ND	0.047	0.047	ug/L	1	01/02/25	SC	E608.3	
PCB-1221	ND	0.047	0.047	ug/L	1	01/02/25	SC	E608.3	
PCB-1232	ND	0.047	0.047	ug/L	1	01/02/25	SC	E608.3	
PCB-1242	ND	0.047	0.047	ug/L	1	01/02/25	SC	E608.3	
PCB-1248	ND	0.047	0.047	ug/L	1	01/02/25	SC	E608.3	
PCB-1254	ND	0.047	0.047	ug/L	1	01/02/25	SC	E608.3	
PCB-1260	ND	0.047	0.047	ug/L	1	01/02/25	SC	E608.3	
PCB-1262	ND	0.047	0.047	ug/L	1	01/02/25	SC	E608.3	1
PCB-1268	ND	0.047	0.047	ug/L	1	01/02/25	SC	E608.3	1

QA/QC Surrogates

% DCBP	55		%	1	01/02/25	SC	30 - 150 %
% DCBP (Confirmation)	69		%	1	01/02/25	SC	30 - 150 %
% TCMX	58		%	1	01/02/25	SC	30 - 150 %
% TCMX (Confirmation)	65		%	1	01/02/25	SC	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Bromomethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
cis-1,2-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/31/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
m&p-Xylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/31/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
o-Xylenes	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
trans-1,2-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/31/24	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	12/31/24	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	12/31/24	MH	70 - 130 %
% Dibromofluoromethane	93			%	1	12/31/24	MH	70 - 130 %
% Toluene-d8	100			%	1	12/31/24	MH	70 - 130 %

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

Phoenix I.D.: CS36479

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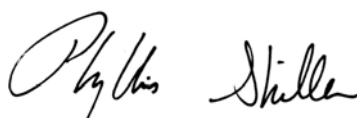
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

January 03, 2025

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



Analysis Report

January 03, 2025

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

Sample Information

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

Custody Information

Collected by:
Received by: SR1
Analyzed by: see "By" below

Date

12/30/24

Time

18:10

Laboratory Data

SDG ID: GCS36479
Phoenix ID: CS36526

Project ID: FROST STREET - OU1
Client ID: TB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Bromomethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
cis-1,2-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/31/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
m&p-Xylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/31/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1

Client ID: TB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
o-Xylenes	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
trans-1,2-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/31/24	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	12/31/24	MH	70 - 130 %
% Bromofluorobenzene	92			%	1	12/31/24	MH	70 - 130 %
% Dibromofluoromethane	94			%	1	12/31/24	MH	70 - 130 %
% Toluene-d8	101			%	1	12/31/24	MH	70 - 130 %

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

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

Comments:

TRIP BLANK INCLUDED.

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

January 03, 2025

Reviewed and Released by: Anil Makol, Project Manager



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



QA/QC Report

January 03, 2025

QA/QC Data

SDG I.D.: GCS36479

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 764727 (mg/L), QC Sample No: CS36655 (CS36479)													
<u>ICP Metals - Aqueous</u>													
Cadmium	BRL	0.001	<0.001	<0.001	NC	102	102	0.0	101	99.6	1.4	80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	103	103	0.0	104	102	1.9	80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	102	102	0.0	104	103	1.0	80 - 120	20
Iron	BRL	0.010	0.578	0.564	2.50	103	102	1.0	103	99.5	3.5	80 - 120	20
Nickel	BRL	0.001	<0.001	<0.001	NC	101	101	0.0	101	99.4	1.6	80 - 120	20
Zinc	BRL	0.004	<0.004	<0.004	NC	100	99.9	0.1	101	99.3	1.7	80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.



Environmental Laboratories, Inc.
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QA/QC Report

January 03, 2025

QA/QC Data

SDG I.D.: GCS36479

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 764599 (mg/L), QC Sample No: CS36172 (CS36479)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	102			86.2			80 - 120	20
Comment:													
Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.													



Environmental Laboratories, Inc.
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Tel. (860) 645-1102



QA/QC Report

January 03, 2025

QA/QC Data

SDG I.D.: GCS36479

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 764751 (ug/L), QC Sample No: CS36171 (CS36479)										
<u>Polychlorinated Biphenyls - Ground Water</u>										
PCB-1016	ND	0.050	66	72	8.7				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	72	78	8.0				30 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	67	%	65	63	3.1				30 - 150	20
% DCBP (Surrogate Rec) (Confirm)	79	%	79	76	3.9				30 - 150	20
% TCMX (Surrogate Rec)	64	%	63	64	1.6				30 - 150	20
% TCMX (Surrogate Rec) (Confirm)	75	%	75	78	3.9				30 - 150	20
QA/QC Batch 764857 (ug/L), QC Sample No: CS36228 (CS36479)										
<u>Volatiles - Ground Water</u>										
1,1,1-Trichloroethane	ND	1.0	103	96	7.0	92	95	3.2	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	101	103	2.0	98	101	3.0	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	98	98	0.0	98	99	1.0	71 - 129	20
1,1-Dichloroethane	ND	1.0	113	102	10.2	102	107	4.8	72 - 128	20
1,1-Dichloroethene	ND	1.0	108	103	4.7	95	103	8.1	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	102	101	1.0	97	99	2.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	99	103	4.0	99	99	0.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	103	99	4.0	96	100	4.1	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	104	101	2.9	96	99	3.1	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	103	101	2.0	97	102	5.0	63 - 137	20
Benzene	ND	0.70	94	101	7.2	96	92	4.3	64 - 136	20
Bromodichloromethane	ND	0.50	102	102	0.0	97	97	0.0	65 - 135	20
Bromoform	ND	1.0	105	100	4.9	97	99	2.0	71 - 129	20
Bromomethane	ND	1.0	116	107	8.1	91	106	15.2	40 - 160	20
Carbon tetrachloride	ND	1.0	92	89	3.3	82	85	3.6	73 - 127	20
Chlorobenzene	ND	1.0	102	100	2.0	95	98	3.1	66 - 134	20
Chloroethane	ND	1.0	113	104	8.3	101	104	2.9	40 - 160	20
Chloroform	ND	1.0	107	100	6.8	99	103	4.0	67 - 133	20
Chloromethane	ND	1.0	119	110	7.9	100	106	5.8	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	106	101	4.8	99	105	5.9	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	104	102	1.9	92	96	4.3	40 - 160	20
Dibromochloromethane	ND	0.50	106	103	2.9	101	100	1.0	67 - 133	20
Ethylbenzene	ND	1.0	105	102	2.9	95	96	1.0	59 - 141	20
m&p-Xylene	ND	1.0	106	102	3.8	97	99	2.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	107	101	5.8	97	102	5.0	70 - 130	30
Methylene chloride	ND	1.0	107	99	7.8	97	106	8.9	60 - 140	20

QA/QC Data

SDG I.D.: GCS36479

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
o-Xylene	ND	1.0	109	104	4.7	99	100	1.0	70 - 130	30
Tetrachloroethene	ND	1.0	98	98	0.0	88	93	5.5	73 - 127	20
Toluene	ND	1.0	101	99	2.0	93	96	3.2	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	107	98	8.8	97	100	3.0	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	105	103	1.9	95	97	2.1	50 - 150	20
Trichloroethene	ND	1.0	100	98	2.0	88	91	3.4	66 - 134	20
Trichlorofluoromethane	ND	1.0	103	97	6.0	94	95	1.1	48 - 152	20
Vinyl chloride	ND	1.0	106	101	4.8	92	98	6.3	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	92	%	102	99	3.0	99	99	0.0	70 - 130	30
% Dibromofluoromethane	102	%	103	98	5.0	97	98	1.0	70 - 130	30
% Toluene-d8	102	%	99	100	1.0	99	99	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 764848 (ug/L), QC Sample No: CS36525 (CS36526)

Volatiles - Water

1,1,1-Trichloroethane	ND	1.0	96	95	1.0	87	92	5.6	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	107	99	7.8	100	98	2.0	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	101	95	6.1	97	92	5.3	71 - 129	20
1,1-Dichloroethane	ND	1.0	107	106	0.9	103	105	1.9	72 - 128	20
1,1-Dichloroethene	ND	1.0	106	105	0.9	97	97	0.0	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	103	97	6.0	95	95	0.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	106	97	8.9	97	95	2.1	68 - 132	20
1,2-Dichloropropane	ND	1.0	105	99	5.9	97	96	1.0	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	105	96	9.0	94	95	1.1	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	105	99	5.9	95	96	1.0	63 - 137	20
Benzene	ND	0.70	101	96	5.1	94	92	2.2	64 - 136	20
Bromodichloromethane	ND	0.50	103	96	7.0	96	95	1.0	65 - 135	20
Bromoform	ND	1.0	106	96	9.9	98	95	3.1	71 - 129	20
Bromomethane	ND	1.0	112	103	8.4	96	101	5.1	40 - 160	20
Carbon tetrachloride	ND	1.0	89	89	0.0	76	85	11.2	73 - 127	20
Chlorobenzene	ND	1.0	108	98	9.7	97	98	1.0	66 - 134	20
Chloroethane	ND	1.0	103	98	5.0	99	101	2.0	40 - 160	20
Chloroform	ND	1.0	107	101	5.8	100	100	0.0	67 - 133	20
Chloromethane	ND	1.0	102	100	2.0	95	94	1.1	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	105	99	5.9	99	100	1.0	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	106	99	6.8	91	91	0.0	40 - 160	20
Dibromochloromethane	ND	0.50	107	102	4.8	99	99	0.0	67 - 133	20
Ethylbenzene	ND	1.0	107	97	9.8	95	95	0.0	59 - 141	20
m&p-Xylene	ND	1.0	109	99	9.6	95	98	3.1	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	101	102	1.0	100	98	2.0	70 - 130	30
Methylene chloride	ND	1.0	105	103	1.9	103	100	3.0	60 - 140	20
o-Xylene	ND	1.0	109	101	7.6	97	97	0.0	70 - 130	30
Tetrachloroethene	ND	1.0	101	92	9.3	85	87	2.3	73 - 127	20
Toluene	ND	1.0	105	95	10.0	92	94	2.2	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	104	99	4.9	98	99	1.0	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	107	100	6.8	94	92	2.2	50 - 150	20
Trichloroethene	ND	1.0	101	95	6.1	88	90	2.2	66 - 134	20
Trichlorofluoromethane	ND	1.0	93	91	2.2	89	90	1.1	48 - 152	20
Vinyl chloride	ND	1.0	96	95	1.0	89	92	3.3	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	100	98	2.0	98	100	2.0	70 - 130	30
% Bromofluorobenzene	95	%	99	99	0.0	100	101	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GCS36479

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
% Dibromofluoromethane	95	%	97	101	4.0	97	91	6.4	70 - 130	30
% Toluene-d8	99	%	99	97	2.0	99	99	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

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



Phyllis Shiller, Laboratory Director
January 03, 2025

Friday, January 03, 2025

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCS36479 - ENVIROTR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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



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



Analysis Comments

January 03, 2025

SDG I.D.: GCS36479

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



Environmental Laboratories, Inc.
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NY Temperature Narration

January 03, 2025

SDG I.D.: GCS36479

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



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-3728

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐
Temp: 25°C Pg 1 of 1

Data Delivery/Contact Options:

Fax: ☐
Phone: ☐
Email: jamesw@envirotrac.com

Project P.O.:

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

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

Client Sample Information - Identification
Sampler's Signature: *Jim Wilkinson* Date: 12/30/24

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
36479	SVE Discharge Water	GW	12/30/2024	9:00
36480	SVE Discharge Water	GW	12/30/2024	9:00
36481	SVE Discharge Water	GW	12/30/2024	9:00
36526	SVE Discharge Water	GW	12/30/2024	9:00

Analysis Request	PC88	VOCs EPA 624.1 + 65.1, 2,4-dichlorophenol	PC89	PC90	PC91	PC92	PC93	PC94	PC95	PC96	PC97	PC98	PC99	PC100	PC101	PC102	PC103	PC104	PC105	PC106	PC107	PC108	PC109	PC110	PC111	PC112	PC113	PC114	PC115	PC116	PC117	PC118	PC119	PC120	PC121	PC122	PC123	PC124	PC125	PC126	PC127	PC128	PC129	PC130	PC131	PC132	PC133	PC134	PC135	PC136	PC137	PC138	PC139	PC140	PC141	PC142	PC143	PC144	PC145	PC146	PC147	PC148	PC149	PC150	PC151	PC152	PC153	PC154	PC155	PC156	PC157	PC158	PC159	PC160	PC161	PC162	PC163	PC164	PC165	PC166	PC167	PC168	PC169	PC170	PC171	PC172	PC173	PC174	PC175	PC176	PC177	PC178	PC179	PC180	PC181	PC182	PC183	PC184	PC185	PC186	PC187	PC188	PC189	PC190	PC191	PC192	PC193	PC194	PC195	PC196	PC197	PC198	PC199	PC200	PC201	PC202	PC203	PC204	PC205	PC206	PC207	PC208	PC209	PC210	PC211	PC212	PC213	PC214	PC215	PC216	PC217	PC218	PC219	PC220	PC221	PC222	PC223	PC224	PC225	PC226	PC227	PC228	PC229	PC230	PC231	PC232	PC233	PC234	PC235	PC236	PC237	PC238	PC239	PC240	PC241	PC242	PC243	PC244	PC245	PC246	PC247	PC248	PC249	PC250	PC251	PC252	PC253	PC254	PC255	PC256	PC257	PC258	PC259	PC260	PC261	PC262	PC263	PC264	PC265	PC266	PC267	PC268	PC269	PC270	PC271	PC272	PC273	PC274	PC275	PC276	PC277	PC278	PC279	PC280	PC281	PC282	PC283	PC284	PC285	PC286	PC287	PC288	PC289	PC290	PC291	PC292	PC293	PC294	PC295	PC296	PC297	PC298	PC299	PC300	PC301	PC302	PC303	PC304	PC305	PC306	PC307	PC308	PC309	PC310	PC311	PC312	PC313	PC314	PC315	PC316	PC317	PC318	PC319	PC320	PC321	PC322	PC323	PC324	PC325	PC326	PC327	PC328	PC329	PC330	PC331	PC332	PC333	PC334	PC335	PC336	PC337	PC338	PC339	PC340	PC341	PC342	PC343	PC344	PC345	PC346	PC347	PC348	PC349	PC350	PC351	PC352	PC353	PC354	PC355	PC356	PC357	PC358	PC359	PC360	PC361	PC362	PC363	PC364	PC365	PC366	PC367	PC368	PC369	PC370	PC371	PC372	PC373	PC374	PC375	PC376	PC377	PC378	PC379	PC380	PC381	PC382	PC383	PC384	PC385	PC386	PC387	PC388	PC389	PC390	PC391	PC392	PC393	PC394	PC395	PC396	PC397	PC398	PC399	PC400	PC401	PC402	PC403	PC404	PC405	PC406	PC407	PC408	PC409	PC410	PC411	PC412	PC413	PC414	PC415	PC416	PC417	PC418	PC419	PC420	PC421	PC422	PC423	PC424	PC425	PC426	PC427	PC428	PC429	PC430	PC431	PC432	PC433	PC434	PC435	PC436	PC437	PC438	PC439	PC440	PC441	PC442	PC443	PC444	PC445	PC446	PC447	PC448	PC449	PC450	PC451	PC452	PC453	PC454	PC455	PC456	PC457	PC458	PC459	PC460	PC461	PC462	PC463	PC464	PC465	PC466	PC467	PC468	PC469	PC470	PC471	PC472	PC473	PC474	PC475	PC476	PC477	PC478	PC479	PC480	PC481	PC482	PC483	PC484	PC485	PC486	PC487	PC488	PC489	PC490	PC491	PC492	PC493	PC494	PC495	PC496	PC497	PC498	PC499	PC500	PC501	PC502	PC503	PC504	PC505	PC506	PC507	PC508	PC509	PC510	PC511	PC512	PC513	PC514	PC515	PC516	PC517	PC518	PC519	PC520	PC521	PC522	PC523	PC524	PC525	PC526	PC527	PC528	PC529	PC530	PC531	PC532	PC533	PC534	PC535	PC536	PC537	PC538	PC539	PC540	PC541	PC542	PC543	PC544	PC545	PC546	PC547	PC548	PC549	PC550	PC551	PC552	PC553	PC554	PC555	PC556	PC557	PC558	PC559	PC560	PC561	PC562	PC563	PC564	PC565	PC566	PC567	PC568	PC569	PC570	PC571	PC572	PC573	PC574	PC575	PC576	PC577	PC578	PC579	PC580	PC581	PC582	PC583	PC584	PC585	PC586	PC587	PC588	PC589	PC590	PC591	PC592	PC593	PC594	PC595	PC596	PC597	PC598	PC599	PC600	PC601	PC602	PC603	PC604	PC605	PC606	PC607	PC608	PC609	PC610	PC611	PC612	PC613	PC614	PC615	PC616	PC617	PC618	PC619	PC620	PC621	PC622	PC623	PC624	PC625	PC626	PC627	PC628	PC629	PC630	PC631	PC632	PC633	PC634	PC635	PC636	PC637	PC638	PC639	PC640	PC641	PC642	PC643	PC644	PC645	PC646	PC647	PC648	PC649	PC650	PC651	PC652	PC653	PC654	PC655	PC656	PC657	PC658	PC659	PC660	PC661	PC662	PC663	PC664	PC665	PC666	PC667	PC668	PC669	PC670	PC671	PC672	PC673	PC674	PC675	PC676	PC677	PC678	PC679	PC680	PC681	PC682	PC683	PC684	PC685	PC686	PC687	PC688	PC689	PC690	PC691	PC692	PC693	PC694	PC695	PC696	PC697	PC698	PC699	PC700	PC701	PC702	PC703	PC704	PC705	PC706	PC707	PC708	PC709	PC710	PC711	PC712	PC713	PC714	PC715	PC716	PC717	PC718	PC719	PC720	PC721	PC722	PC723	PC724	PC725	PC726	PC727	PC728	PC729	PC730	PC731	PC732	PC733	PC734	PC735	PC736	PC737	PC738	PC739	PC740	PC741	PC742	PC743	PC744	PC745	PC746	PC747	PC748	PC749	PC750	PC751	PC752	PC753	PC754	PC755	PC756	PC757	PC758	PC759	PC760	PC761	PC762	PC763	PC764	PC765	PC766	PC767	PC768	PC769	PC770	PC771	PC772	PC773	PC774	PC775	PC776	PC777	PC778	PC779	PC780	PC781	PC782	PC783	PC784	PC785	PC786	PC787	PC788	PC789	PC790	PC791	PC792	PC793	PC794	PC795	PC796	PC797	PC798	PC799	PC800	PC801	PC802	PC803	PC804	PC805	PC806	PC807	PC808	PC809	PC810	PC811	PC812	PC813	PC814	PC815	PC816	PC817	PC818	PC819	PC820	PC821	PC822	PC823	PC824	PC825	PC826	PC827	PC828	PC829	PC830	PC831	PC832	PC833	PC834	PC835	PC836	PC837	PC838	PC839	PC840	PC841	PC842	PC843	PC844	PC845	PC846	PC847	PC848	PC849	PC850	PC851	PC852	PC853	PC854	PC855	PC856	PC857	PC858	PC859	PC860	PC861	PC862	PC863	PC864	PC865	PC866	PC867	PC868	PC869	PC870	PC871	PC872	PC873	PC874	PC875	PC876	PC877	PC878	PC879	PC880	PC881	PC882	PC883	PC884	PC885	PC886	PC887	PC888	PC889	PC890	PC891	PC892	PC893	PC894	PC895	PC896	PC897	PC898	PC899	PC900	PC901	PC902	PC903	PC904	PC905	PC906	PC907	PC908	PC909	PC910	PC911	PC912	PC913	PC914	PC915	PC916	PC917	PC918	PC919	PC920	PC921	PC922	PC923	PC924	PC925	PC926	PC927	PC928	PC929	PC930	PC931	PC932	PC933	PC934	PC935	PC936	PC937	PC938	PC939	PC940	PC941	PC942	PC943	PC944	PC945	PC946	PC947	PC948	PC949	PC950	PC951	PC952	PC953	PC954	PC955	PC956	PC957	PC958	PC959	PC960	PC961	PC962	PC963	PC964	PC965	PC966	PC967	PC968	PC969	PC970	PC971	PC972	PC973	PC974	PC975	PC976	PC977	PC978	PC979	PC980	PC981	PC982	PC983	PC984	PC985	PC986	PC987	PC988	PC989	PC990	PC991	PC992	PC993	PC994	PC995	PC996	PC997	PC998	PC999	PC1000
GC/MS EPA 821.1 + 65.1, 2,4-dichlorophenol																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

Relinquished by: <i>Jim Wilkinson</i>	Accepted by: <i>James Johnson</i>	Date: 12/30/24	Time: 1341	RU: ☐ Direct Exposure (Residential) ☐ GW ☐ Other	GI: ☐ RCP Cert ☐ GW Protection ☐ SW Protection ☐ GA Mobility ☐ GB Mobility ☐ Residential DEC ☐ IIC DEC ☐ Other	MA: ☐ MCP Certification ☐ GW-1 ☐ GW-2 ☐ GW-3 ☐ S-1 ☐ S-2 ☐ S-3 ☐ MWRA eSMART ☐ Other	Data Format: ☐ Excel ☐ PDF ☐ GIS/Key ☐ EQUIS ☐ Other
Comments, Special Requirements or Regulations:				Turnaround: ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ Standard ☐ Other			
State where samples were collected: NY				* SURCHARGE APPLIES			

Appendix D
Groundwater Extraction Well Sampling
Quarterly Results



Friday, January 03, 2025

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

Project ID: FROST STREET-OU2
SDG ID: GCS36475
Sample ID#s: CS36475 - CS36478, CS36525

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.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

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



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



Sample Id Cross Reference

January 03, 2025

SDG I.D.: GCS36475

Project ID: FROST STREET-OU2

Client Id	Lab Id	Matrix
EX-1A	CS36475	GROUND WATER
EX-1B	CS36476	GROUND WATER
EX-1C	CS36477	GROUND WATER
EX-1D	CS36478	GROUND WATER
TB	CS36525	GROUND WATER



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



Analysis Report

January 03, 2025

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

Sample Information

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

Custody Information

Collected by: JW
Received by: SR1
Analyzed by: see "By" below

Date

12/30/24
12/30/24

Time

9:10
18:10

Laboratory Data

SDG ID: GCS36475
Phoenix ID: CS36475

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromomethane	0.31	J 0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
cis-1,2-Dichloroethylene	1.6	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
m&p-Xylene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/30/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
o-Xylenes	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Tetrachloroethene	40	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
trans-1,2-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/24	MH	E624.1
Trichloroethene	2.4	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	12/30/24	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	12/30/24	MH	70 - 130 %
% Dibromofluoromethane	91			%	1	12/30/24	MH	70 - 130 %
% Toluene-d8	99			%	1	12/30/24	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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


Phyllis Shiller, Laboratory Director**January 03, 2025****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



Analysis Report

January 03, 2025

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

Sample Information

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

Custody Information

Collected by: JW
Received by: SR1
Analyzed by: see "By" below

Date

12/30/24
12/30/24

Time

9:13
18:10

Laboratory Data

SDG ID: GCS36475
Phoenix ID: CS36476

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromomethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
cis-1,2-Dichloroethylene	16	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
m&p-Xylene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/30/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
o-Xylenes	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Tetrachloroethene	95	2.5	1.3	ug/L	5	12/31/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
trans-1,2-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/24	MH	E624.1
Trichloroethene	5.5	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	12/30/24	MH	70 - 130 %
% Bromofluorobenzene	94			%	1	12/30/24	MH	70 - 130 %
% Dibromofluoromethane	92			%	1	12/30/24	MH	70 - 130 %
% Toluene-d8	97			%	1	12/30/24	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	99			%	5	12/31/24	MH	70 - 130 %
% Bromofluorobenzene (5x)	93			%	5	12/31/24	MH	70 - 130 %
% Dibromofluoromethane (5x)	91			%	5	12/31/24	MH	70 - 130 %
% Toluene-d8 (5x)	100			%	5	12/31/24	MH	70 - 130 %

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

BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

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

Comments:

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



Phyllis Shiller, Laboratory Director

January 03, 2025

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



Analysis Report

January 03, 2025

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

Sample Information

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

Custody Information

Collected by: JW
Received by: SR1
Analyzed by: see "By" below

Date

12/30/24
12/30/24

Time

9:16
18:10

Laboratory Data

SDG ID: GCS36475
Phoenix ID: CS36477

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	12/30/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1-Dichloroethylene	0.70	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromomethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
cis-1,2-Dichloroethylene	0.62	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
m&p-Xylene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/30/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1

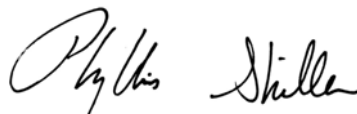
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
o-Xylenes	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Tetrachloroethene	18	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
trans-1,2-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/24	MH	E624.1
Trichloroethene	2.0	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	12/30/24	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	12/30/24	MH	70 - 130 %
% Dibromofluoromethane	93			%	1	12/30/24	MH	70 - 130 %
% Toluene-d8	101			%	1	12/30/24	MH	70 - 130 %

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

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

Comments:

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



Phyllis Shiller, Laboratory Director

January 03, 2025

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



Analysis Report

January 03, 2025

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

Sample Information

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

Custody Information

Collected by: JW
Received by: SR1
Analyzed by: see "By" below

Date

12/30/24
12/30/24

Time

9:19
18:10

Laboratory Data

SDG ID: GCS36475
Phoenix ID: CS36478

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1-Trichloroethane	1.0	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1-Dichloroethane	0.91	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,1-Dichloroethylene	11	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Bromomethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Carbon tetrachloride	0.52	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloroform	1.9	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
cis-1,2-Dichloroethylene	4.0	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
m&p-Xylene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/30/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1

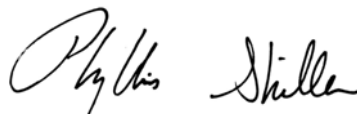
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
o-Xylenes	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Tetrachloroethene	79	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
trans-1,2-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/30/24	MH	E624.1
Trichloroethene	19	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/30/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	12/30/24	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	12/30/24	MH	70 - 130 %
% Dibromofluoromethane	93			%	1	12/30/24	MH	70 - 130 %
% Toluene-d8	99			%	1	12/30/24	MH	70 - 130 %

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

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

Comments:

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

January 03, 2025

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



Analysis Report

January 03, 2025

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

Sample Information

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

Custody Information

Collected by: JW
Received by: SR1
Analyzed by: see "By" below

Date

12/30/24

Time

18:10

Laboratory Data

SDG ID: GCS36475
Phoenix ID: CS36525

Project ID: FROST STREET - OU2
Client ID: TB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,1-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Bromomethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
cis-1,2-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/31/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
m&p-Xylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/31/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1

Client ID: TB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
o-Xylenes	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
trans-1,2-Dichloroethylene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/31/24	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	12/31/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	12/31/24	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	12/31/24	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	12/31/24	MH	70 - 130 %
% Toluene-d8	101			%	1	12/31/24	MH	70 - 130 %

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

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

Comments:

TRIP BLANK INCLUDED.

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

January 03, 2025

Reviewed and Released by: Anil Makol, Project Manager



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



QA/QC Report

January 03, 2025

QA/QC Data

SDG I.D.: GCS36475

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 764855 (ug/L), QC Sample No: CS35146 (CS36476 (5X))

Volatiles - Ground Water

Tetrachloroethene	ND	1.0	98	99	1.0	100	103	3.0	73 - 127	20
% 1,2-dichlorobenzene-d4	99	%	99	101	2.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	92	%	99	99	0.0	100	98	2.0	70 - 130	30
% Dibromofluoromethane	97	%	91	91	0.0	93	94	1.1	70 - 130	30
% Toluene-d8	97	%	99	97	2.0	99	99	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 764857 (ug/L), QC Sample No: CS36228 (CS36475, CS36476, CS36477, CS36478)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	103	96	7.0	92	95	3.2	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	101	103	2.0	98	101	3.0	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	98	98	0.0	98	99	1.0	71 - 129	20
1,1-Dichloroethane	ND	1.0	113	102	10.2	102	107	4.8	72 - 128	20
1,1-Dichloroethene	ND	1.0	108	103	4.7	95	103	8.1	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	102	101	1.0	97	99	2.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	99	103	4.0	99	99	0.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	103	99	4.0	96	100	4.1	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	104	101	2.9	96	99	3.1	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	103	101	2.0	97	102	5.0	63 - 137	20
Benzene	ND	0.70	94	101	7.2	96	92	4.3	64 - 136	20
Bromodichloromethane	ND	0.50	102	102	0.0	97	97	0.0	65 - 135	20
Bromoform	ND	1.0	105	100	4.9	97	99	2.0	71 - 129	20
Bromomethane	ND	1.0	116	107	8.1	91	106	15.2	40 - 160	20
Carbon tetrachloride	ND	1.0	92	89	3.3	82	85	3.6	73 - 127	20
Chlorobenzene	ND	1.0	102	100	2.0	95	98	3.1	66 - 134	20
Chloroethane	ND	1.0	113	104	8.3	101	104	2.9	40 - 160	20
Chloroform	ND	1.0	107	100	6.8	99	103	4.0	67 - 133	20
Chloromethane	ND	1.0	119	110	7.9	100	106	5.8	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	106	101	4.8	99	105	5.9	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	104	102	1.9	92	96	4.3	40 - 160	20
Dibromochloromethane	ND	0.50	106	103	2.9	101	100	1.0	67 - 133	20
Ethylbenzene	ND	1.0	105	102	2.9	95	96	1.0	59 - 141	20
m&p-Xylene	ND	1.0	106	102	3.8	97	99	2.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	107	101	5.8	97	102	5.0	70 - 130	30
Methylene chloride	ND	1.0	107	99	7.8	97	106	8.9	60 - 140	20
o-Xylene	ND	1.0	109	104	4.7	99	100	1.0	70 - 130	30
Tetrachloroethene	ND	1.0	98	98	0.0	88	93	5.5	73 - 127	20
Toluene	ND	1.0	101	99	2.0	93	96	3.2	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	107	98	8.8	97	100	3.0	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	105	103	1.9	95	97	2.1	50 - 150	20

QA/QC Data

SDG I.D.: GCS36475

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichloroethene	ND	1.0	100	98	2.0	88	91	3.4	66 - 134	20
Trichlorofluoromethane	ND	1.0	103	97	6.0	94	95	1.1	48 - 152	20
Vinyl chloride	ND	1.0	106	101	4.8	92	98	6.3	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	92	%	102	99	3.0	99	99	0.0	70 - 130	30
% Dibromofluoromethane	102	%	103	98	5.0	97	98	1.0	70 - 130	30
% Toluene-d8	102	%	99	100	1.0	99	99	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 764848 (ug/L), QC Sample No: CS36525 (CS36525)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	96	95	1.0	87	92	5.6	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	107	99	7.8	100	98	2.0	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	101	95	6.1	97	92	5.3	71 - 129	20
1,1-Dichloroethane	ND	1.0	107	106	0.9	103	105	1.9	72 - 128	20
1,1-Dichloroethene	ND	1.0	106	105	0.9	97	97	0.0	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	103	97	6.0	95	95	0.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	106	97	8.9	97	95	2.1	68 - 132	20
1,2-Dichloropropane	ND	1.0	105	99	5.9	97	96	1.0	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	105	96	9.0	94	95	1.1	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	105	99	5.9	95	96	1.0	63 - 137	20
Benzene	ND	0.70	101	96	5.1	94	92	2.2	64 - 136	20
Bromodichloromethane	ND	0.50	103	96	7.0	96	95	1.0	65 - 135	20
Bromoform	ND	1.0	106	96	9.9	98	95	3.1	71 - 129	20
Bromomethane	ND	1.0	112	103	8.4	96	101	5.1	40 - 160	20
Carbon tetrachloride	ND	1.0	89	89	0.0	76	85	11.2	73 - 127	20
Chlorobenzene	ND	1.0	108	98	9.7	97	98	1.0	66 - 134	20
Chloroethane	ND	1.0	103	98	5.0	99	101	2.0	40 - 160	20
Chloroform	ND	1.0	107	101	5.8	100	100	0.0	67 - 133	20
Chloromethane	ND	1.0	102	100	2.0	95	94	1.1	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	105	99	5.9	99	100	1.0	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	106	99	6.8	91	91	0.0	40 - 160	20
Dibromochloromethane	ND	0.50	107	102	4.8	99	99	0.0	67 - 133	20
Ethylbenzene	ND	1.0	107	97	9.8	95	95	0.0	59 - 141	20
m&p-Xylene	ND	1.0	109	99	9.6	95	98	3.1	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	101	102	1.0	100	98	2.0	70 - 130	30
Methylene chloride	ND	1.0	105	103	1.9	103	100	3.0	60 - 140	20
o-Xylene	ND	1.0	109	101	7.6	97	97	0.0	70 - 130	30
Tetrachloroethene	ND	1.0	101	92	9.3	85	87	2.3	73 - 127	20
Toluene	ND	1.0	105	95	10.0	92	94	2.2	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	104	99	4.9	98	99	1.0	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	107	100	6.8	94	92	2.2	50 - 150	20
Trichloroethene	ND	1.0	101	95	6.1	88	90	2.2	66 - 134	20
Trichlorofluoromethane	ND	1.0	93	91	2.2	89	90	1.1	48 - 152	20
Vinyl chloride	ND	1.0	96	95	1.0	89	92	3.3	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	100	98	2.0	98	100	2.0	70 - 130	30
% Bromofluorobenzene	95	%	99	99	0.0	100	101	1.0	70 - 130	30
% Dibromofluoromethane	95	%	97	101	4.0	97	91	6.4	70 - 130	30
% Toluene-d8	99	%	99	97	2.0	99	99	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

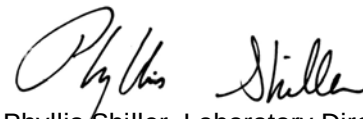
QA/QC Data

SDG I.D.: GCS36475

Parameter	Blk		LCS	LCSD	LCS	MS	MSD	MS	% Rec	% RPD
	Blank	RL								
			%	%	RPD	%	%	RPD	Limits	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
- (ISO) - Isotope Dilution


Phyllis Shiller, Laboratory Director
January 03, 2025

Friday, January 03, 2025

Criteria: None
State: NY

Sample Criteria Exceedances Report

GCS36475 - ENVIROTR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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



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



Analysis Comments

January 03, 2025

SDG I.D.: GCS36475

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



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NY Temperature Narration

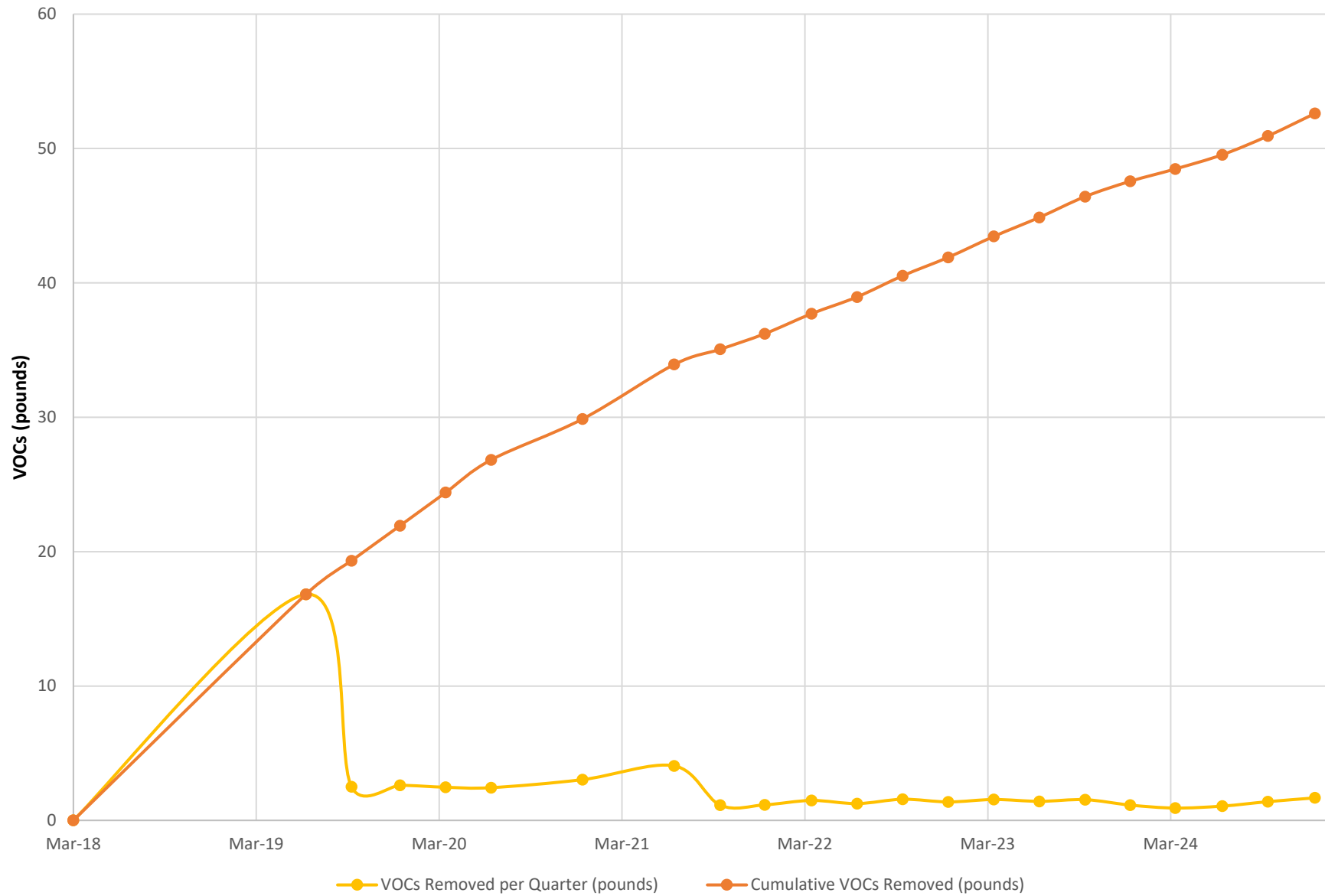
January 03, 2025

SDG I.D.: GCS36475

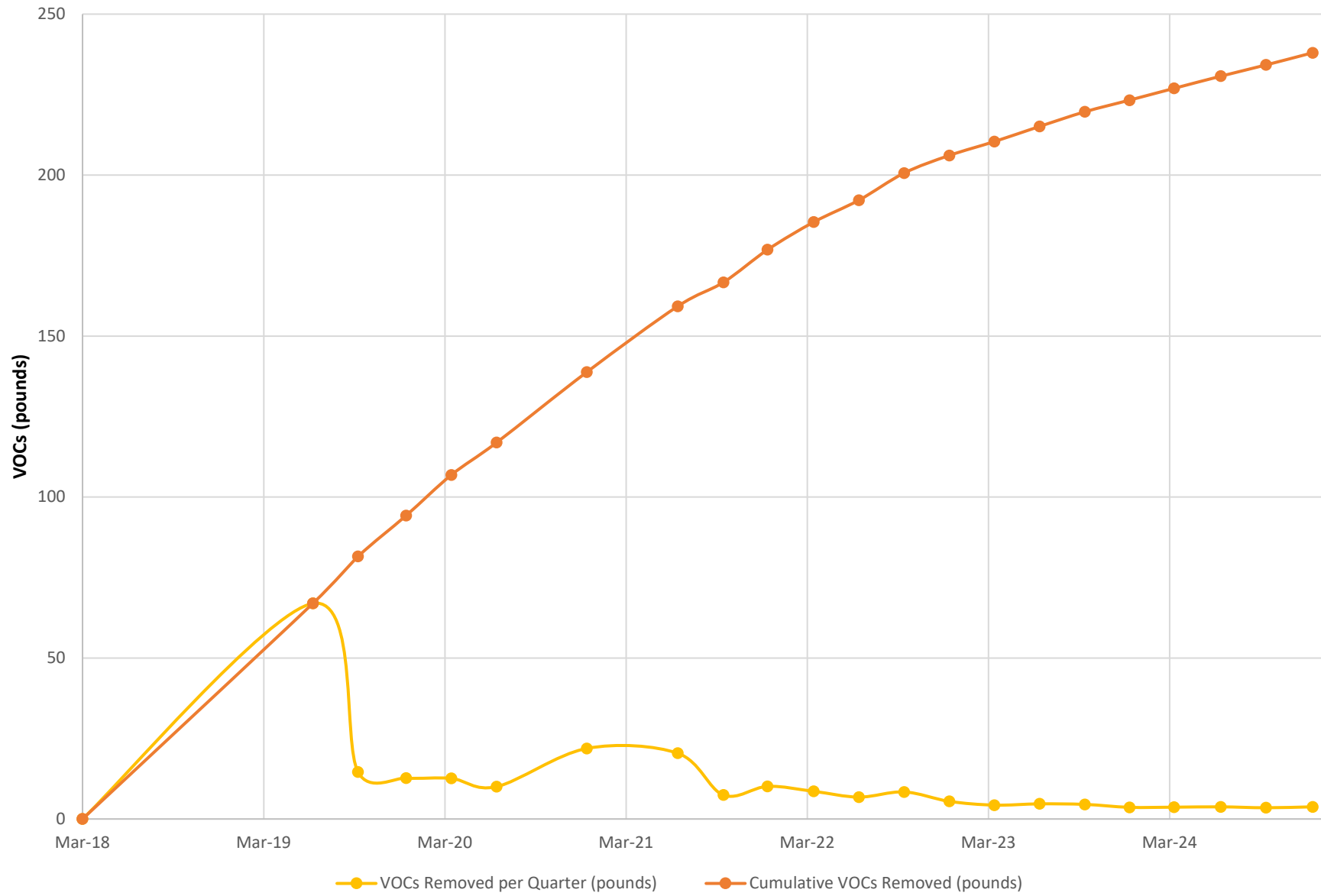
The samples in this delivery group were received at 2.5°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Appendix E
Groundwater Extraction Well Sampling
Historical Results

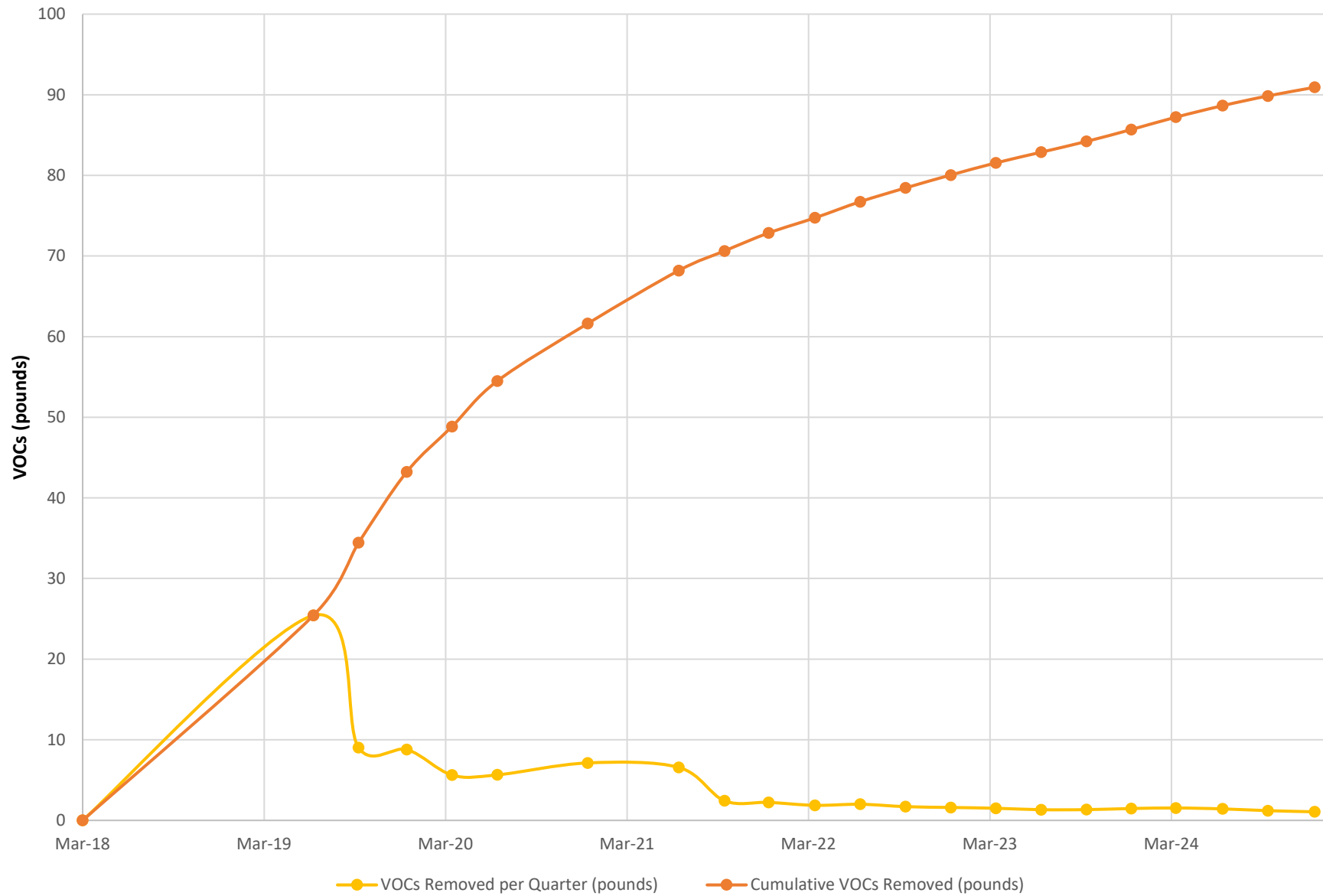
Mass Removal EX-1A



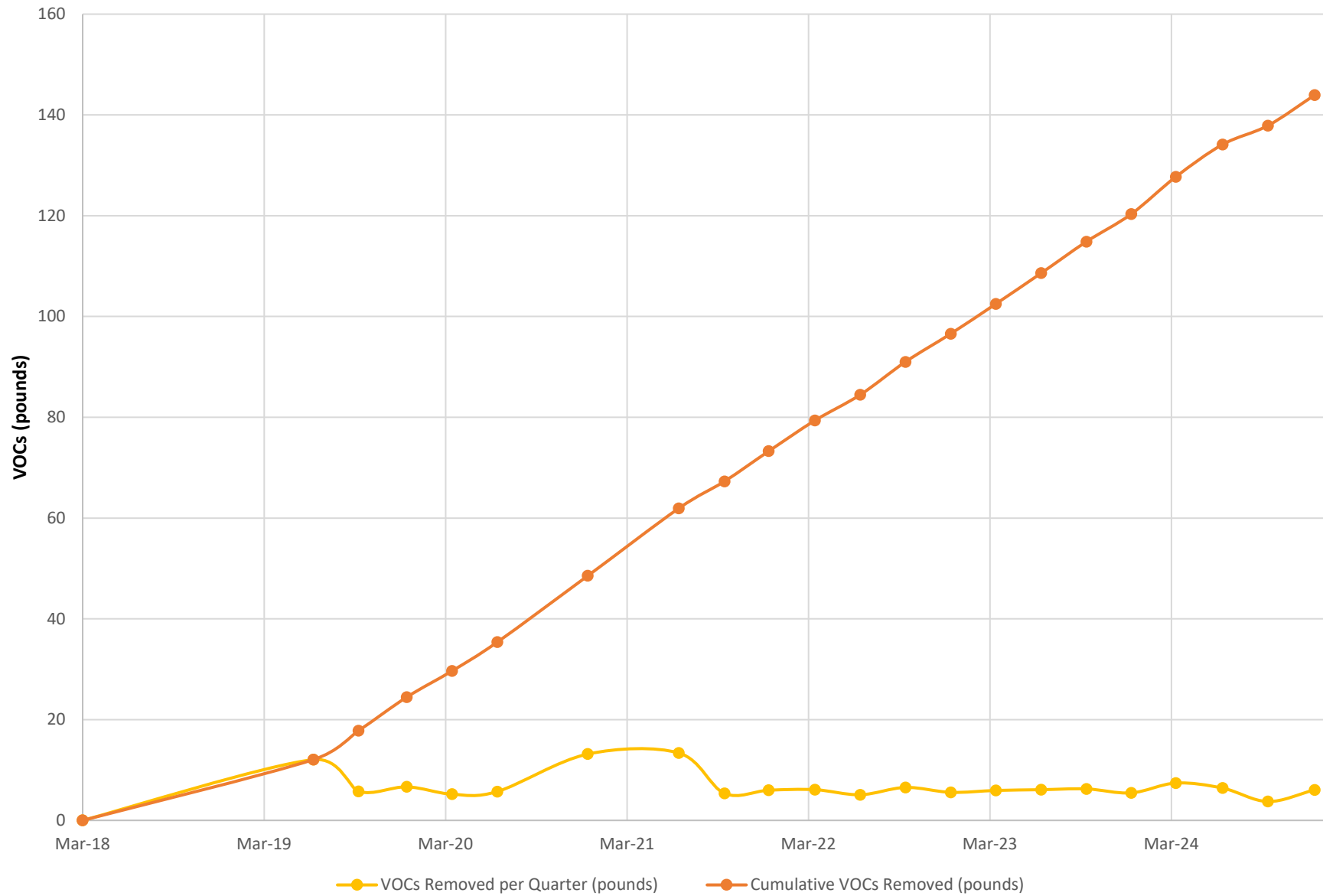
Mass Removal EX-1B



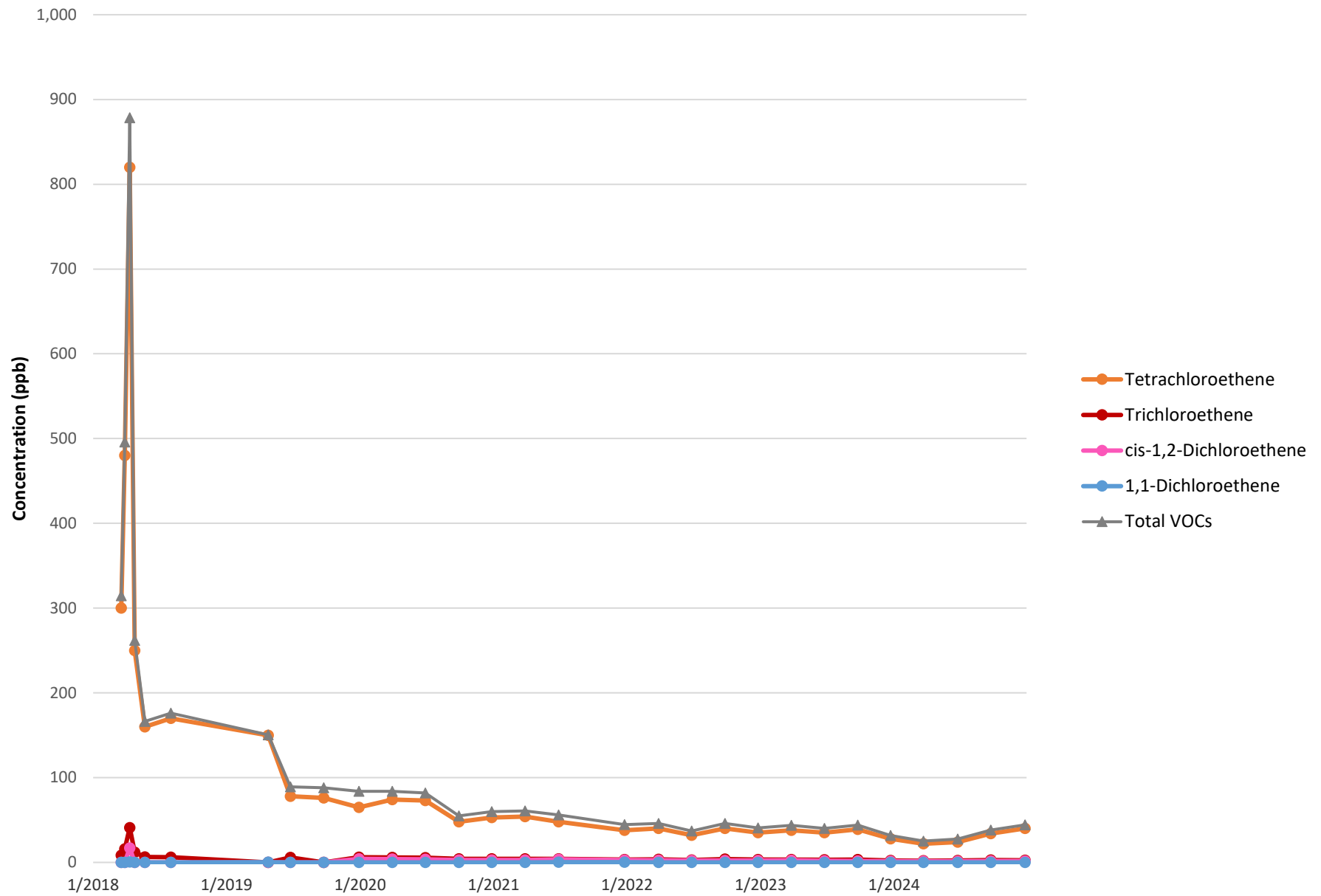
Mass Removal EX-1C



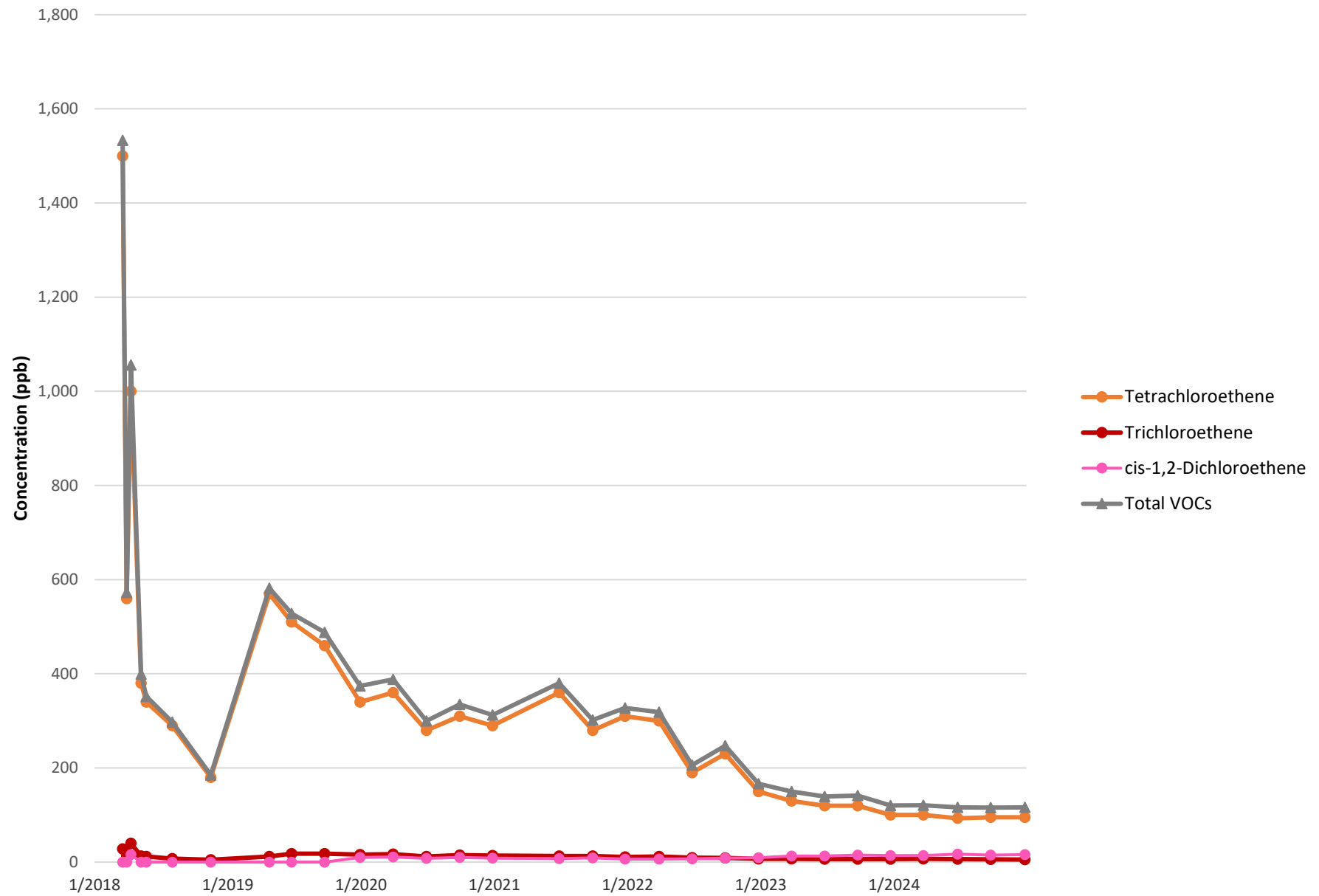
Mass Removal EX-1D



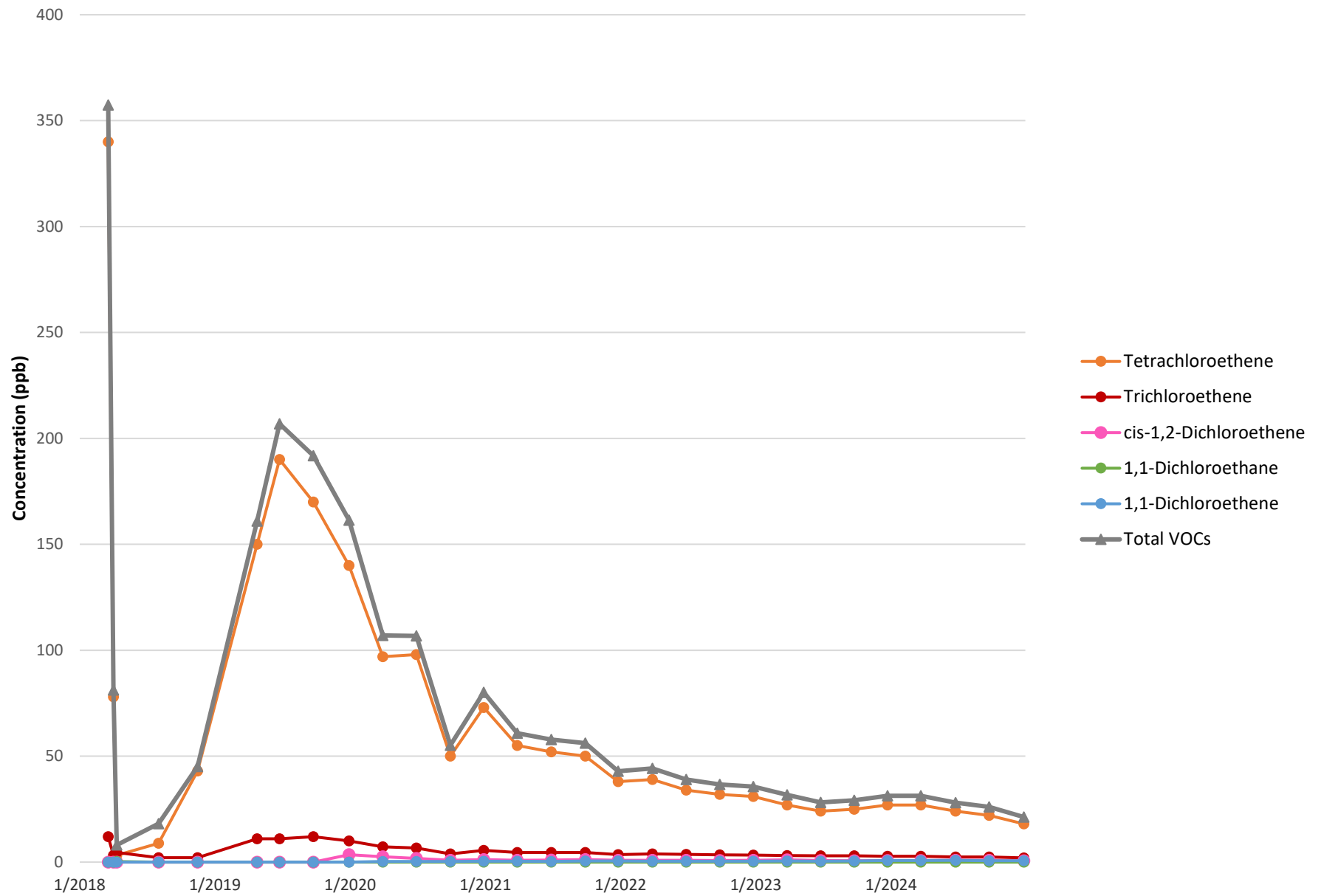
EX-1A



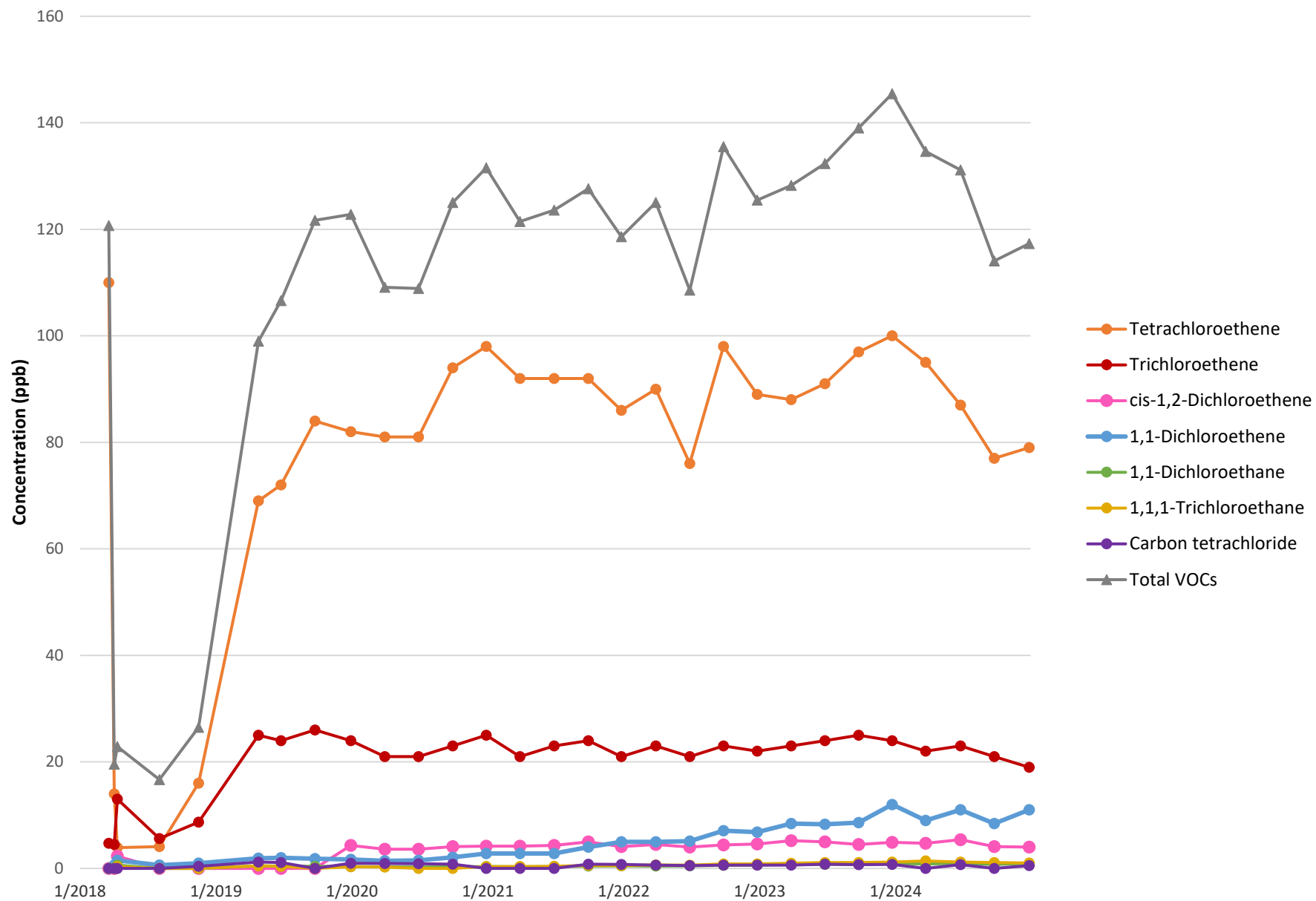
EX-1B



EX-1C



EX-1D



All Wells - Total VOCs

