

February 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: January 2025
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 January 2025 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 January, no alarm calls were received.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on January 10 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.
 - Photoionization detector readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [15,425 micrograms per cubic meter) continue to indicate significant mass extraction.
 - Effluent concentrations are below the carbon exchange indicator concentrations as shown below.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800 ft ³ /min	
Compound	Annual Mass Emission Limit ¹ (lbs/year)	Carbon Exchange Required Indicator Concentration (µg/m ³) ²	January 2025 2024 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	ND
Tetrachloroethene	1,000	38,000	3.52
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	ND

Notes:

ft/min cubic feet per minute

lbs/year pounds per year

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 (January 10 – 300 gallons and January 29 – 350 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 January. To date, over 498 million gallons of groundwater have been removed by this system. Mass removal will be presented in the March monthly report using analytical data from the quarterly samples collected at the end of March.

Groundwater Sampling

The next fifth quarter groundwater sampling event is due to be completed in the first quarter of 2025. Sampling is planned for the end of March; results will be submitted in the forthcoming annual groundwater monitoring report.

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: 10-Jan
Weather / Temp: Clear / 35 DEG
Technician / Operator: JW

Arrival Time: 11:30
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)	4300		844		Blower 1 Total Runtime (hrs)	76,902.5			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	76,489.0			
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)	3.5				VGAC-1 Influent PID (ppm)	1			
VGAC-1 Influent Vacuum ("H2O)	40				VGAC-1 Effluent PID (ppm)	0			
VGAC-1 Effluent Vacuum ("H2O)	46				VGAC-2 Influent PID (ppm)	1			
VGAC-2 Influent Vacuum ("H2O)	40				VGAC-2 Effluent PID (ppm)	0			
VGAC-2 Effluent Vacuum ("H2O)	44				VGAC-3 Influent PID (ppm)	0			
VGAC-3 Influent Pressure ("H2O)	6				VGAC-3 Effluent PID (ppm)	0			
VGAC-3 Effluent Pressure ("H2O)	2				Blower Effluent PID (ppm)	0			
VGAC-3 Influent Temp (DegF)	125				Transfer Pump Total Runtime (hrs)	25,324.4			
Blower Effluent Pressure ("H2O)	18				Condensate Storage Tank Level (gal)	300 → 0			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	46	6500	142	1	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	40	3800	83	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	46	3900	85	2	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	46	2600	57	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	38	4900	107	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	44	6000	131	15
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	37	3800	83	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	40	2550	56	0
Air Sparge System									
Compressor 1 Pressure (psi)	15.5				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	31,547.7				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	130				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	58				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	17				AS Manifold Temperature (degF)	52			
Air Cooler Outlet Pressure (psi)	18				AS Manifold Pressure	17			
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate				Pressure	Flow Rate		
AS-1 (psi)/(cfm)	18	9	AS-11 (psi)/(cfm)		15		10		
AS-2 (psi)/(cfm)	17	10	AS-12B (psi)/(cfm)		17		5		
AS-3 (psi)/(cfm)	12	8	AS-13B (psi)/(cfm)		16		8		
AS-4 (psi)/(cfm)	16	10	AS-14 (psi)/(cfm)		16		10		
AS-5 (psi)/(cfm)	17	9	AS-15 (psi)/(cfm)		15		10		
AS-6 (psi)/(cfm)	18	10	AS-16B (psi)/(cfm)		16		10		
AS-7 (psi)/(cfm)	17	6	AS-17 (psi)/(cfm)		15		11		
AS-8 (psi)/(cfm)	16	13	AS-18 (psi)/(cfm)		15		11		
AS-9 (psi)/(cfm)	19	10	AS-19 (psi)/(cfm)		16		6		
AS-10B (psi)/(cfm)	15	10							

Notes, Comments & Observations:

Collected monthly air samples.

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

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

Date: 10-Jan
Weather / Temp: Clear / 35 DEG
Technician / Operator: JW

Arrival Time: 11:30
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	

Operation & Maintenance Data Sheet

Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services

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

Date: 29-Jan
Weather / Temp: Cloudy / 50 DEG
Technician / Operator: JW

Arrival Time: 11:30
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)	4100		805		Blower 1 Total Runtime (hrs)			76,902.5		
Blower 1 Fresh Air Valve Open (%)			0		Blower 2 Total Runtime (hrs)			76,903.6		
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)			3.5		VGAC-1 Influent PID (ppm)			2		
VGAC-1 Influent Vacuum ("H2O)			40		VGAC-1 Effluent PID (ppm)			0		
VGAC-1 Effluent Vacuum ("H2O)			48		VGAC-2 Influent PID (ppm)			2		
VGAC-2 Influent Vacuum ("H2O)			40		VGAC-2 Effluent PID (ppm)			0		
VGAC-2 Effluent Vacuum ("H2O)			44		VGAC-3 Influent PID (ppm)			0		
VGAC-3 Influent Pressure ("H2O)			6		VGAC-3 Effluent PID (ppm)			0		
VGAC-3 Effluent Pressure ("H2O)			2		Blower Effluent PID (ppm)			0		
VGAC-3 Influent Temp (DegF)			135		Transfer Pump Total Runtime (hrs)			25,325.5		
Blower Effluent Pressure ("H2O)			18		Condensate Storage Tank Level (gal)			350 → 0		
SVE Manifold Legs - Vacuum/Flow Rate/PID										
		<u>Vacuum</u>	<u>Velocity</u>	<u>Flow Rate</u>	<u>PID</u>		<u>Vacuum</u>	<u>Velocity</u>	<u>Flow Rate</u>	<u>PID</u>
SVE-1	("H2O)/(FPM)/(cfm)/(ppm)	46	6600	144		SVE-4	("H2O)/(FPM)/(cfm)/(ppm)	40	3700	81
SVE-2	("H2O)/(FPM)/(cfm)/(ppm)	47	3500	76		SVE-5	("H2O)/(FPM)/(cfm)/(ppm)	48	2600	57
SVE-3	("H2O)/(FPM)/(cfm)/(ppm)	38	4800	105		SVE-6B	("H2O)/(FPM)/(cfm)/(ppm)	44	6000	131
SVE-3A	("H2O)/(FPM)/(cfm)/(ppm)	36	3700	81		SVE-7	("H2O)/(FPM)/(cfm)/(ppm)	40	2600	57
Air Sparge System										
Compressor 1 Pressure (psi)			15		Compressor 2 Pressure (psi)			Off		
Compressor 1 Runtime (hrs)			32,002.7		Compressor 2 Temperature (degF)			Off		
Air Cooler Inlet Temperature (degF)			136		Compressor 2 Regulator Pressure (psi)			Off		
Air Cooler Outlet Temperature (degF)			65		Compressor 2 Runtime (hrs)			40,734		
Air Cooler Inlet Pressure (psi)			16.5		AS Manifold Temperature (degF)			56		
Air Cooler Outlet Pressure (psi)			17.5		AS Manifold Pressure			16		
AS Manifold Legs - Pressure/Flow Rate										
		<u>Pressure</u>	<u>Flow Rate</u>				<u>Pressure</u>	<u>Flow Rate</u>		
AS-1	(psi)/(cfm)	18	8		AS-11	(psi)/(cfm)	15	9		
AS-2	(psi)/(cfm)	16	10		AS-12B	(psi)/(cfm)	17	10		
AS-3	(psi)/(cfm)	11	10		AS-13B	(psi)/(cfm)	15	13		
AS-4	(psi)/(cfm)	15	13		AS-14	(psi)/(cfm)	17	10		
AS-5	(psi)/(cfm)	17	10		AS-15	(psi)/(cfm)	15	10		
AS-6	(psi)/(cfm)	18	10		AS-16B	(psi)/(cfm)	16	10		
AS-7	(psi)/(cfm)	17	7		AS-17	(psi)/(cfm)	16	12		
AS-8	(psi)/(cfm)	15	12		AS-18	(psi)/(cfm)	15	11		
AS-9	(psi)/(cfm)	19	10		AS-19	(psi)/(cfm)	15	5		
AS-10B	(psi)/(cfm)	15	10							

Notes, Comments & Observations:

Collected discharge water sample.

Changed LGAC drum, repaired discharge pump piping.

Completed semi-annual claw pump maintenance.

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: 29-Jan
Weather / Temp: Cloudy / 50 DEG
Technician / Operator: JW

Arrival Time: 11:30
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	Y	25.9A
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	Y	Oil changed on 1/29/25
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	Y	26A
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:	L2502014
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:	01/28/25

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: L2502014
Report Date: 01/28/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2502014-01	SVE EFFLUENT	SOIL_VAPOR	WESTBURY, NY	01/10/25 13:06	01/13/25
L2502014-02	SVE INFLUENT	SOIL_VAPOR	WESTBURY, NY	01/10/25 13:08	01/13/25

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

Lab Number: L2502014
Report Date: 01/28/25

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: L2502014
Report Date: 01/28/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on January 9, 2025. The canister certification data is provided as an addendum.

L2502014-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

Sample Receipt

The canister ID number for the sample designated SVE EFFLUENT (L2502014-01) is listed on the CoC as 2403 but should be 2866.

The canister ID number for the sample designated SVE INFLUENT (L2502014-02) is listed on the CoC as 0130 but should be 4422.

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: 01/28/25

AIR

Project Name: FROST ST. 001**Project Number:** Not Specified**Lab Number:** L2502014**Report Date:** 01/28/25**SAMPLE RESULTS**

Lab ID: L2502014-01
 Client ID: SVE EFFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 01/10/25 13:06
 Date Received: 01/13/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 01/27/25 01:58
 Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.719	0.200	--	3.56	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	1.50	1.00	--	3.56	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



Project Name: FROST ST. 001**Lab Number:** L2502014**Project Number:** Not Specified**Report Date:** 01/28/25**SAMPLE RESULTS**

Lab ID: L2502014-01
 Client ID: SVE EFFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 01/10/25 13:06
 Date Received: 01/13/25
 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	0.206	0.200	--	0.726	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	0.353	0.200	--	1.33	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	0.519	0.200	--	3.52	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:** L2502014**Project Number:** Not Specified**Report Date:** 01/28/25**SAMPLE RESULTS**

Lab ID: L2502014-01
 Client ID: SVE EFFLUENT
 Sample Location: WESTBURY, NY

Date Collected: 01/10/25 13:06
 Date Received: 01/13/25
 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	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140



Project Name: FROST ST. 001**Lab Number:** L2502014**Project Number:** Not Specified**Report Date:** 01/28/25**SAMPLE RESULTS**

Lab ID: L2502014-02 D

Client ID: SVE INFLUENT

Sample Location: WESTBURY, NY

Date Collected: 01/10/25 13:08

Date Received: 01/13/25

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 01/27/25 02:35

Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	8.01	--	ND	39.6	--		40.06
Chloromethane	ND	8.01	--	ND	16.5	--		40.06
Freon-114	ND	8.01	--	ND	56.0	--		40.06
Vinyl chloride	ND	8.01	--	ND	20.5	--		40.06
1,3-Butadiene	ND	8.01	--	ND	17.7	--		40.06
Bromomethane	ND	8.01	--	ND	31.1	--		40.06
Chloroethane	ND	8.01	--	ND	21.1	--		40.06
Ethanol	ND	200	--	ND	377	--		40.06
Vinyl bromide	ND	8.01	--	ND	35.0	--		40.06
Acetone	ND	40.1	--	ND	95.3	--		40.06
Trichlorofluoromethane	ND	8.01	--	ND	45.0	--		40.06
Isopropanol	ND	40.1	--	ND	98.6	--		40.06
1,1-Dichloroethene	ND	8.01	--	ND	31.8	--		40.06
Tertiary butyl Alcohol	ND	20.0	--	ND	60.6	--		40.06
Methylene chloride	ND	20.0	--	ND	69.5	--		40.06
3-Chloropropene	ND	8.01	--	ND	25.1	--		40.06
Carbon disulfide	ND	8.01	--	ND	24.9	--		40.06
Freon-113	ND	8.01	--	ND	61.4	--		40.06
trans-1,2-Dichloroethene	ND	8.01	--	ND	31.8	--		40.06
1,1-Dichloroethane	ND	8.01	--	ND	32.4	--		40.06
Methyl tert butyl ether	ND	8.01	--	ND	28.9	--		40.06
2-Butanone	ND	20.0	--	ND	59.0	--		40.06
cis-1,2-Dichloroethene	45.5	8.01	--	180	31.8	--		40.06



Project Name: FROST ST. 001**Lab Number:** L2502014**Project Number:** Not Specified**Report Date:** 01/28/25**SAMPLE RESULTS**

Lab ID: L2502014-02 D

Client ID: SVE INFLUENT

Sample Location: WESTBURY, NY

Date Collected: 01/10/25 13:08

Date Received: 01/13/25

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	20.0	--	ND	72.1	--		40.06
Chloroform	ND	8.01	--	ND	39.1	--		40.06
Tetrahydrofuran	ND	20.0	--	ND	59.0	--		40.06
1,2-Dichloroethane	ND	8.01	--	ND	32.4	--		40.06
n-Hexane	ND	8.01	--	ND	28.2	--		40.06
1,1,1-Trichloroethane	ND	8.01	--	ND	43.7	--		40.06
Benzene	ND	8.01	--	ND	25.6	--		40.06
Carbon tetrachloride	ND	8.01	--	ND	50.4	--		40.06
Cyclohexane	ND	8.01	--	ND	27.6	--		40.06
1,2-Dichloropropane	ND	8.01	--	ND	37.0	--		40.06
Bromodichloromethane	ND	8.01	--	ND	53.7	--		40.06
1,4-Dioxane	ND	8.01	--	ND	28.9	--		40.06
Trichloroethene	120	8.01	--	645	43.0	--		40.06
2,2,4-Trimethylpentane	ND	8.01	--	ND	37.4	--		40.06
Heptane	ND	8.01	--	ND	32.8	--		40.06
cis-1,3-Dichloropropene	ND	8.01	--	ND	36.4	--		40.06
4-Methyl-2-pentanone	ND	20.0	--	ND	82.0	--		40.06
trans-1,3-Dichloropropene	ND	8.01	--	ND	36.4	--		40.06
1,1,2-Trichloroethane	ND	8.01	--	ND	43.7	--		40.06
Toluene	ND	8.01	--	ND	30.2	--		40.06
2-Hexanone	ND	8.01	--	ND	32.8	--		40.06
Dibromochloromethane	ND	8.01	--	ND	68.2	--		40.06
1,2-Dibromoethane	ND	8.01	--	ND	61.6	--		40.06
Tetrachloroethene	2150	8.01	--	14600	54.3	--		40.06
Chlorobenzene	ND	8.01	--	ND	36.9	--		40.06
Ethylbenzene	ND	8.01	--	ND	34.8	--		40.06



Project Name: FROST ST. 001**Lab Number:** L2502014**Project Number:** Not Specified**Report Date:** 01/28/25**SAMPLE RESULTS**

Lab ID: L2502014-02 D

Client ID: SVE INFLUENT

Sample Location: WESTBURY, NY

Date Collected: 01/10/25 13:08

Date Received: 01/13/25

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	16.0	--	ND	69.5	--		40.06
Bromoform	ND	8.01	--	ND	82.8	--		40.06
Styrene	ND	8.01	--	ND	34.1	--		40.06
1,1,2,2-Tetrachloroethane	ND	8.01	--	ND	55.0	--		40.06
o-Xylene	ND	8.01	--	ND	34.8	--		40.06
4-Ethyltoluene	ND	8.01	--	ND	39.4	--		40.06
1,3,5-Trimethylbenzene	ND	8.01	--	ND	39.4	--		40.06
1,2,4-Trimethylbenzene	ND	8.01	--	ND	39.4	--		40.06
Benzyl chloride	ND	8.01	--	ND	41.5	--		40.06
1,3-Dichlorobenzene	ND	8.01	--	ND	48.2	--		40.06
1,4-Dichlorobenzene	ND	8.01	--	ND	48.2	--		40.06
1,2-Dichlorobenzene	ND	8.01	--	ND	48.2	--		40.06
1,2,4-Trichlorobenzene	ND	8.01	--	ND	59.5	--		40.06
Naphthalene	ND	7.61	--	ND	39.9	--		40.06
Hexachlorobutadiene	ND	8.01	--	ND	85.4	--		40.06

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140



Project Name: FROST ST. 001

Lab Number: L2502014

Project Number: Not Specified

Report Date: 01/28/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 01/26/25 17:27

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: WG2023717-4								
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: L2502014

Project Number: Not Specified

Report Date: 01/28/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 01/26/25 17:27

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: WG2023717-4								
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: L2502014

Project Number: Not Specified

Report Date: 01/28/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 01/26/25 17:27

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: WG2023717-4								
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	0.190	--	ND	0.996	--		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: L2502014

Report Date: 01/28/25

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: WG2023717-3								
Dichlorodifluoromethane	90		-		70-130	-		
Chloromethane	80		-		70-130	-		
Freon-114	85		-		70-130	-		
Vinyl chloride	89		-		70-130	-		
1,3-Butadiene	90		-		70-130	-		
Bromomethane	89		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	89		-		40-160	-		
Vinyl bromide	84		-		70-130	-		
Acetone	93		-		40-160	-		
Trichlorofluoromethane	94		-		70-130	-		
Isopropanol	78		-		40-160	-		
1,1-Dichloroethene	90		-		70-130	-		
Tertiary butyl Alcohol	101		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	74		-		70-130	-		
Carbon disulfide	81		-		70-130	-		
Freon-113	93		-		70-130	-		
trans-1,2-Dichloroethene	89		-		70-130	-		
1,1-Dichloroethane	84		-		70-130	-		
Methyl tert butyl ether	84		-		70-130	-		
2-Butanone	80		-		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: L2502014

Report Date: 01/28/25

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: WG2023717-3								
Ethyl Acetate	93		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	71		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	112		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	93		-		70-130	-		
Carbon tetrachloride	110		-		70-130	-		
Cyclohexane	114		-		70-130	-		
1,2-Dichloropropane	91		-		70-130	-		
Bromodichloromethane	117		-		70-130	-		
1,4-Dioxane	106		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	113		-		70-130	-		
Heptane	93		-		70-130	-		
cis-1,3-Dichloropropene	97		-		70-130	-		
4-Methyl-2-pentanone	93		-		70-130	-		
trans-1,3-Dichloropropene	102		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	89		-		70-130	-		
2-Hexanone	78		-		70-130	-		
Dibromochloromethane	105		-		70-130	-		
1,2-Dibromoethane	89		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FROST ST. 001

Project Number: Not Specified

Lab Number: L2502014

Report Date: 01/28/25

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: WG2023717-3								
Tetrachloroethene	98		-		70-130	-		
Chlorobenzene	90		-		70-130	-		
Ethylbenzene	89		-		70-130	-		
p/m-Xylene	92		-		70-130	-		
Bromoform	103		-		70-130	-		
Styrene	87		-		70-130	-		
1,1,2,2-Tetrachloroethane	97		-		70-130	-		
o-Xylene	93		-		70-130	-		
4-Ethyltoluene	89		-		70-130	-		
1,3,5-Trimethylbenzene	90		-		70-130	-		
1,2,4-Trimethylbenzene	92		-		70-130	-		
Benzyl chloride	82		-		70-130	-		
1,3-Dichlorobenzene	90		-		70-130	-		
1,4-Dichlorobenzene	89		-		70-130	-		
1,2-Dichlorobenzene	84		-		70-130	-		
1,2,4-Trichlorobenzene	91		-		70-130	-		
Naphthalene	123		-		70-130	-		
Hexachlorobutadiene	90		-		70-130	-		

Project Name: FROST ST. 001

Serial_No: 01282515:31
Lab Number: L2502014

Project Number:

Report Date: 01/28/25

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
L2502014-01	SVE EFFLUENT	0324	Flow 1	01/09/25	502176		-	-	-	Pass	144	158	9
L2502014-01	SVE EFFLUENT	2866	2.7L Can	01/09/25	502176	L2500579-02	Pass	-29.0	-4.2	-	-	-	-
L2502014-02	SVE INFLUENT	01420	Flow 1	01/09/25	502176		-	-	-	Pass	144	155	7
L2502014-02	SVE INFLUENT	4422	2.7L Can	01/09/25	502176	L2500579-02	Pass	-29.0	-4.7	-	-	-	-

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

Lab Number: L2500579
Report Date: 01/28/25

Air Canister Certification Results

Lab ID: L2500579-02
Client ID: CAN 3420 SHELF 10
Sample Location:

Date Collected: 01/06/25 18:00
Date Received: 01/07/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 01/07/25 20:30
Analyst: TPH

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	1.00	--	ND	2.46	--		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: L2500579
Report Date: 01/28/25

Air Canister Certification Results

Lab ID: L2500579-02
Client ID: CAN 3420 SHELF 10
Sample Location:

Date Collected: 01/06/25 18:00
Date Received: 01/07/25
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: L2500579
Report Date: 01/28/25

Air Canister Certification Results

Lab ID: L2500579-02
Client ID: CAN 3420 SHELF 10
Sample Location:

Date Collected: 01/06/25 18:00
Date Received: 01/07/25
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: L2500579
Report Date: 01/28/25

Air Canister Certification Results

Lab ID: L2500579-02
Client ID: CAN 3420 SHELF 10
Sample Location:

Date Collected: 01/06/25 18:00
Date Received: 01/07/25
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:** L2500579**Project Number:** CANISTER QC BAT**Report Date:** 01/28/25**Air Canister Certification Results**

Lab ID: L2500579-02

Date Collected: 01/06/25 18:00

Client ID: CAN 3420 SHELF 10

Date Received: 01/07/25

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	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140



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

Lab Number: L2500579
Report Date: 01/28/25

Air Canister Certification Results

Lab ID: L2500579-02
Client ID: CAN 3420 SHELF 10
Sample Location:

Date Collected: 01/06/25 18:00
Date Received: 01/07/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/07/25 20:30
Analyst: TPH

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: L2500579
Report Date: 01/28/25

Air Canister Certification Results

Lab ID: L2500579-02
Client ID: CAN 3420 SHELF 10
Sample Location:

Date Collected: 01/06/25 18:00
Date Received: 01/07/25
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:** L2500579**Project Number:** CANISTER QC BAT**Report Date:** 01/28/25**Air Canister Certification Results**

Lab ID: L2500579-02

Date Collected: 01/06/25 18:00

Client ID: CAN 3420 SHELF 10

Date Received: 01/07/25

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	97		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140



Project Name: FROST ST. 001**Lab Number:** L2502014**Project Number:** Not Specified**Report Date:** 01/28/25**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(*)
L2502014-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2502014-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)

Project Name: FROST ST. 001**Lab Number:** L2502014**Project Number:** Not Specified**Report Date:** 01/28/25

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:** L2502014**Project Number:** Not Specified**Report Date:** 01/28/25**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:** L2502014**Project Number:** Not Specified**Report Date:** 01/28/25**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:** L2502014**Project Number:** Not Specified**Report Date:** 01/28/25

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 27

Published Date: 01/24/2025

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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.

MADEP-APH.**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 test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

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, **LCHAT 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**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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

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



Wednesday, February 05, 2025

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

Project ID: FROST STREET-OU1
SDG ID: GCS53533
Sample ID#s: CS53533 - CS53534

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

February 05, 2025

SDG I.D.: GCS53533

Project ID: FROST STREET-OU1

Client Id	Lab Id	Matrix	Col Date
SVE DISCHARGE WATER	CS53533	GROUND WATER	01/29/25 10:00
TRIP BLANK	CS53534	WATER	01/16/25 12:40



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



Analysis Report

February 05, 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: SW
Analyzed by: see "By" below

Date

01/29/25
01/29/25

Time

10:00
15:40

Laboratory Data

SDG ID: GCS53533
Phoenix ID: CS53533

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Calcium	6.88	0.010		mg/L	1	01/31/25	pm	SW6010D
Cadmium	< 0.001	0.001		mg/L	1	01/31/25	pm	SW6010D
Chromium	< 0.001	0.001		mg/L	1	01/31/25	pm	SW6010D
Copper	< 0.005	0.005		mg/L	1	01/31/25	pm	SW6010D
Iron	0.033	0.010		mg/L	1	01/31/25	pm	SW6010D
Nickel	< 0.001	0.001		mg/L	1	01/31/25	pm	SW6010D
Zinc	0.004	0.004		mg/L	1	01/31/25	pm	SW6010D
Chromium, Hexavalent	< 0.01	0.01		mg/L	1	01/29/25 21:50	HD	SM3500CRB-11
PCB Extraction	Completed					02/01/25	CV/CV	E608.3
Total Metals Digestion	Completed					01/30/25	AG	SW3010A

Polychlorinated Biphenyls

PCB-1016	ND	0.050	0.050	ug/L	1	02/03/25	SC	E608.3	
PCB-1221	ND	0.050	0.050	ug/L	1	02/03/25	SC	E608.3	
PCB-1232	ND	0.050	0.050	ug/L	1	02/03/25	SC	E608.3	
PCB-1242	ND	0.050	0.050	ug/L	1	02/03/25	SC	E608.3	
PCB-1248	ND	0.050	0.050	ug/L	1	02/03/25	SC	E608.3	
PCB-1254	ND	0.050	0.050	ug/L	1	02/03/25	SC	E608.3	
PCB-1260	ND	0.050	0.050	ug/L	1	02/03/25	SC	E608.3	
PCB-1262	ND	0.050	0.050	ug/L	1	02/03/25	SC	E608.3	1
PCB-1268	ND	0.050	0.050	ug/L	1	02/03/25	SC	E608.3	1

QA/QC Surrogates

% DCBP	68		%	1	02/03/25	SC	30 - 150 %
% DCBP (Confirmation)	70		%	1	02/03/25	SC	30 - 150 %
% TCMX	51		%	1	02/03/25	SC	30 - 150 %
% TCMX (Confirmation)	52		%	1	02/03/25	SC	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Acrolein, Acrylonitrile, 2 CEVE</u>								
2-Chloroethyl vinyl ether	ND	5.0	5.0	ug/L	1	01/30/25	MH	E624.1 As is
Acrolein	ND	5.0	1.0	ug/L	1	01/30/25	MH	E624.1 As is
Acrylonitrile	ND	5.0	0.50	ug/L	1	01/30/25	MH	E624.1 As is
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	01/30/25	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/30/25	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	01/30/25	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	01/30/25	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	01/30/25	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	01/30/25	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/30/25	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	01/30/25	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	01/30/25	MH	70 - 130 %
% Dibromofluoromethane	112			%	1	01/30/25	MH	70 - 130 %
% Toluene-d8	97			%	1	01/30/25	MH	70 - 130 %

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

Phoenix I.D.: CS53533

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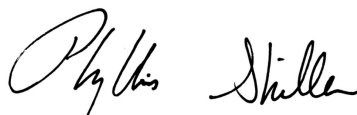
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

February 05, 2025

Reviewed and Released by: Alejandro Paredes, Project Manager



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



Analysis Report

February 05, 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: JW
Received by: SW
Analyzed by: see "By" below

Date

01/16/25
01/29/25

Time

12:40
15:40

Laboratory Data

SDG ID: GCS53533
Phoenix ID: CS53534

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Acrolein, Acrylonitrile, 2 CEVE</u>								
2-Chloroethyl vinyl ether	ND	5.0	5.0	ug/L	1	01/30/25	MH	E624.1 As is
Acrolein	ND	5.0	1.0	ug/L	1	01/30/25	MH	E624.1 As is
Acrylonitrile	ND	5.0	0.50	ug/L	1	01/30/25	MH	E624.1 As is
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	01/30/25	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1

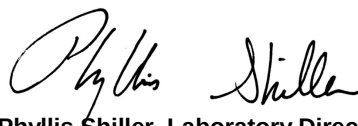
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/30/25	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	01/30/25	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	01/30/25	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	01/30/25	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	01/30/25	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/30/25	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	01/30/25	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	01/30/25	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	01/30/25	MH	70 - 130 %
% Dibromofluoromethane	119			%	1	01/30/25	MH	70 - 130 %
% Toluene-d8	98			%	1	01/30/25	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 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:

TRIP BLANK INCLUDED.

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



Phyllis Shiller, Laboratory Director

February 05, 2025

Reviewed and Released by: Alejandro Paredes, Project Manager



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



QA/QC Report

February 05, 2025

QA/QC Data

SDG I.D.: GCS53533

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 768888 (mg/L), QC Sample No: CS53533 (CS53533)													
<u>ICP Metals - Aqueous</u>													
Cadmium	BRL	0.001	<0.001	<0.001	NC	95.3	97.6	2.4	99.8			80 - 120	20
Calcium	BRL	0.010	6.88	7.01	1.90	96.8	99.3	2.5	NC			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	97.6	100	2.4	103			80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	101	104	2.9	107			80 - 120	20
Iron	BRL	0.010	0.033	0.032	NC	97.6	100	2.4	103			80 - 120	20
Nickel	BRL	0.001	<0.001	<0.001	NC	96.4	99.1	2.8	102			80 - 120	20
Zinc	BRL	0.004	0.004	0.004	NC	96.9	99.2	2.3	102			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%.



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QA/QC Report

February 05, 2025

QA/QC Data

SDG I.D.: GCS53533

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 768714 (mg/L), QC Sample No: CS53124 (CS53533)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	98.0			94.0			80 - 120	20
Comment:													
Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.													



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QA/QC Report

February 05, 2025

QA/QC Data

SDG I.D.: GCS53533

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 769165 (ug/L), QC Sample No: CS52248 (CS53533)										
<u>Polychlorinated Biphenyls - Ground Water</u>										
PCB-1016	ND	0.050	93	87	6.7				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	91	81	11.6				30 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	79	%	78	78	0.0				30 - 150	20
% DCBP (Surrogate Rec) (Confirm)	79	%	84	84	0.0				30 - 150	20
% TCMX (Surrogate Rec)	71	%	70	71	1.4				30 - 150	20
% TCMX (Surrogate Rec) (Confirm)	74	%	74	78	5.3				30 - 150	20
QA/QC Batch 769098 (ug/L), QC Sample No: CS53533 (CS53533)										
<u>Volatiles - Ground Water</u>										
1,1,1-Trichloroethane	ND	1.0	116	103	11.9	102	106	3.8	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	109	107	1.9	107	107	0.0	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	104	103	1.0	105	108	2.8	71 - 129	20
1,1-Dichloroethane	ND	1.0	104	105	1.0	107	110	2.8	72 - 128	20
1,1-Dichloroethene	ND	1.0	102	103	1.0	106	105	0.9	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	104	104	0.0	103	106	2.9	63 - 137	20
1,2-Dichloroethane	ND	1.0	106	101	4.8	104	108	3.8	68 - 132	20
1,2-Dichloropropane	ND	1.0	107	107	0.0	109	112	2.7	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	101	103	2.0	99	102	3.0	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	102	103	1.0	100	104	3.9	63 - 137	20
2 chlorethyl vinyl ether	ND	1.0	101	100	1.0	98	102	4.0	50 - 150	20
Acrolein	ND	5.0	115	111	3.5	110	109	0.9	50 - 150	20
Acrylonitrile	ND	5.0	101	93	8.2	98	102	4.0	50 - 150	20
Benzene	ND	0.70	108	107	0.9	106	111	4.6	64 - 136	20
Bromodichloromethane	ND	0.50	101	98	3.0	98	100	2.0	65 - 135	20
Bromoform	ND	1.0	85	86	1.2	81	85	4.8	71 - 129	20
Bromomethane	ND	1.0	109	109	0.0	46	59	24.8	40 - 160	20
Carbon Disulfide	ND	1.0	101	102	1.0	103	102	1.0	70 - 130	30
Carbon tetrachloride	ND	1.0	109	100	8.6	100	102	2.0	73 - 127	20
Chlorobenzene	ND	1.0	105	104	1.0	104	107	2.8	66 - 134	20
Chloroethane	ND	1.0	97	101	4.0	97	100	3.0	40 - 160	20
Chloroform	ND	1.0	100	100	0.0	104	105	1.0	67 - 133	20
Chloromethane	ND	1.0	102	105	2.9	100	105	4.9	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	95	95	0.0	103	101	2.0	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	97	98	1.0	93	97	4.2	40 - 160	20
Dibromochloromethane	ND	0.50	92	92	0.0	90	93	3.3	67 - 133	20

QA/QC Data

SDG I.D.: GCS53533

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Ethylbenzene	ND	1.0	106	106	0.0	106	108	1.9	59 - 141	20
Isopropylbenzene	ND	1.0	111	111	0.0	108	112	3.6	70 - 130	30
m&p-Xylene	ND	1.0	105	105	0.0	104	108	3.8	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	99	99	0.0	101	104	2.9	70 - 130	30
Methylene chloride	ND	1.0	94	93	1.1	101	99	2.0	60 - 140	20
Naphthalene	ND	1.0	123	124	0.8	118	125	5.8	70 - 130	30
o-Xylene	ND	1.0	101	103	2.0	103	107	3.8	70 - 130	30
Tetrachloroethene	ND	1.0	104	102	1.9	96	101	5.1	73 - 127	20
Toluene	ND	1.0	105	104	1.0	103	106	2.9	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	95	95	0.0	98	97	1.0	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	97	97	0.0	92	94	2.2	50 - 150	20
Trichloroethene	ND	1.0	104	100	3.9	101	105	3.9	66 - 134	20
Trichlorofluoromethane	ND	1.0	106	109	2.8	113	112	0.9	48 - 152	20
Vinyl chloride	ND	1.0	99	98	1.0	101	101	0.0	40 - 160	20
% 1,2-dichlorobenzene-d4	98	%	101	99	2.0	100	100	0.0	70 - 130	30
% Bromofluorobenzene	96	%	100	101	1.0	101	101	0.0	70 - 130	30
% Dibromofluoromethane	118	%	115	96	18.0	98	101	3.0	70 - 130	30
% Toluene-d8	98	%	100	98	2.0	99	99	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 768909 (ug/L), QC Sample No: CS53815 (CS53534)

Volatiles - Water

1,1,1-Trichloroethane	ND	1.0	113	108	4.5	110	115	4.4	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	102	107	4.8	104	103	1.0	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	102	105	2.9	102	102	0.0	71 - 129	20
1,1-Dichloroethane	ND	1.0	103	109	5.7	100	104	3.9	72 - 128	20
1,1-Dichloroethene	ND	1.0	101	105	3.9	97	102	5.0	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	103	104	1.0	99	102	3.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	104	107	2.8	101	104	2.9	68 - 132	20
1,2-Dichloropropane	ND	1.0	107	109	1.9	104	107	2.8	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	100	102	2.0	97	99	2.0	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	103	104	1.0	98	102	4.0	63 - 137	20
2 chlorethyl vinyl ether	ND	1.0	99	103	4.0	94	94	0.0	50 - 150	20
Acrolein	ND	5.0	112	125	11.0	108	108	0.0	50 - 150	20
Acrylonitrile	ND	5.0	93	107	14.0	96	98	2.1	50 - 150	20
Benzene	ND	0.70	107	110	2.8	103	106	2.9	64 - 136	20
Bromodichloromethane	ND	0.50	99	101	2.0	96	98	2.1	65 - 135	20
Bromoform	ND	1.0	85	92	7.9	80	82	2.5	71 - 129	20
Bromomethane	ND	1.0	114	117	2.6	85	100	16.2	40 - 160	20
Carbon Disulfide	ND	1.0	105	108	2.8	97	101	4.0	70 - 130	30
Carbon tetrachloride	ND	1.0	105	98	6.9	95	103	8.1	73 - 127	20
Chlorobenzene	ND	1.0	103	105	1.9	97	103	6.0	66 - 134	20
Chloroethane	ND	1.0	101	105	3.9	97	101	4.0	40 - 160	20
Chloroform	ND	1.0	100	104	3.9	98	100	2.0	67 - 133	20
Chloromethane	ND	1.0	107	114	6.3	106	110	3.7	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	93	100	7.3	92	94	2.2	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	100	101	1.0	93	94	1.1	40 - 160	20
Dibromochloromethane	ND	0.50	91	96	5.3	87	91	4.5	67 - 133	20
Ethylbenzene	ND	1.0	105	107	1.9	100	103	3.0	59 - 141	20
Isopropylbenzene	ND	1.0	107	108	0.9	102	107	4.8	70 - 130	30
m&p-Xylene	ND	1.0	104	107	2.8	99	102	3.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	96	105	9.0	100	101	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GCS53533

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Methylene chloride	ND	1.0	95	102	7.1	94	99	5.2	60 - 140	20
Naphthalene	ND	1.0	117	125	6.6	115	119	3.4	70 - 130	30
o-Xylene	ND	1.0	101	103	2.0	98	100	2.0	70 - 130	30
Tetrachloroethene	ND	1.0	101	101	0.0	92	96	4.3	73 - 127	20
Toluene	ND	1.0	103	106	2.9	99	103	4.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	95	103	8.1	95	94	1.1	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	96	97	1.0	89	92	3.3	50 - 150	20
Trichloroethene	ND	1.0	100	101	1.0	96	99	3.1	66 - 134	20
Trichlorofluoromethane	ND	1.0	105	108	2.8	101	103	2.0	48 - 152	20
Vinyl chloride	ND	1.0	99	107	7.8	96	100	4.1	40 - 160	20
% 1,2-dichlorobenzene-d4	97	%	99	99	0.0	99	100	1.0	70 - 130	30
% Bromofluorobenzene	96	%	98	99	1.0	100	100	0.0	70 - 130	30
% Dibromofluoromethane	101	%	117	104	11.8	113	114	0.9	70 - 130	30
% Toluene-d8	97	%	99	98	1.0	99	99	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

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

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



Phyllis Shiller, Laboratory Director
February 05, 2025

Criteria: None
State: NJ

Sample Criteria Exceedances Report
GCS53533 - 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

February 05, 2025

SDG I.D.: GCS53533

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

