ENSAFE
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May 12, 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: April 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 April 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 April, no alarm calls were received.

- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on April 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.

  — Photoionization detector readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [15,616 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 ($\mu g/m^3$)[2]**	**April 2025 Effluent Concentration ($\mu g/m^3$)**
Trichloroethene	500	19,000	ND
Tetrachloroethene	1,000	38,000	ND
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene[3]	100	3,800	ND

Notes:

ft/min	cubic feet per minute
lbs/year	pounds per year
$\mu g/m^3$	micrograms per cubic meter
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.

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 April except for EX-1C which was offline from April 2 to May 1 due to pump malfunction; the pump was replaced on May 1. To date, over 515 million gallons of groundwater and approximately 537 pounds of VOCs have been removed by this system.

Groundwater Sampling

The fifth quarter groundwater sampling event was completed from March 25 to 27. Results will be submitted in the forthcoming comprehensive 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 M. J. Stark

Alexandra Stark, P.E.

Attachments

Copies:	A. Tamuno, Esq., NYSDEC	*Via email to amtamuno@gw.dec.state.ny.us*
	M. Dolan, NYSDOH	*Via email to michele.dolan@health.ny.gov*
	S. Selmer, NYSDOH	*Via email to stephanie.selmer@health.ny.gov*
	R. Putnam, NCDOH	*Via email to rputnam@nassaucountyny.gov*
	A. Conway, U.S. EPA	*Via email to conway.aidan@epa.gov*
	T. Pupilla, Sanders Equities	*Via email to tpupilla@sandersequities.com*
	M. Peters, The West Firm	*Via email to mpeters@westfirmlaw.com*
	P. Coop, EnSafe	*Via email to pcoop@ensafe.com*
	J. Wilkinson, Envirotrac	*Via email to jamesw@envirotrac.com*

Appendix A
AS/SVE System Operation and Maintenance Logs

Operation & Maintenance Data Sheet
Ensafe-Frost Street
101 Frost Street
Westbury, NY

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

Date: 9-Apr
Weather / Temp: Clear/ 40 DEG
Technician / Operator: JW

Arrival Time: 9:30
Departure Time: 10:30

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)	77,947.9
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	77,499.2
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Blower Inlet Vacuum ("H2O)	48		Blower 2 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3.5		VGAC-1 Influent PID (ppm)	3
VGAC-1 Influent Vacuum ("H2O)	42		VGAC-1 Effluent PID (ppm)	0
VGAC-1 Effluent Vacuum ("H2O)	46		VGAC-2 Influent PID (ppm)	3
VGAC-2 Influent Vacuum ("H2O)	42		VGAC-2 Effluent PID (ppm)	0
VGAC-2 Effluent Vacuum ("H2O)	46		VGAC-3 Influent PID (ppm)	0
VGAC-3 Influent Pressure ("H2O)	12		VGAC-3 Effluent PID (ppm)	0
VGAC-3 Effluent Pressure ("H2O)	2		Blower Effluent PID (ppm)	0
VGAC-3 Influent Temp (DegF)	136		Transfer Pump Total Runtime (hrs)	25,327.9
Blower Effluent Pressure ("H2O)	20		Condensate Storage Tank Level (gal)	50

SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	48	6900	151	3	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	40	3750	82	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	48	3900	85	4	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	48	2700	59	1
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	39	4900	107	1	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	45	6000	131	6
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	38	3800	83	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	40	2700	59	0

Air Sparge System			
Compressor 1 Pressure (psi)	16	Compressor 2 Pressure (psi)	Off
Compressor 1 Runtime (hrs)	33,531.9	Compressor 2 Temperature (degF)	Off
Air Cooler Inlet Temperature (degF)	134	Compressor 2 Regulator Pressure (psi)	Off
Air Cooler Outlet Temperature (degF)	59	Compressor 2 Runtime (hrs)	40,734
Air Cooler Inlet Pressure (psi)	16	AS Manifold Temperature (degF)	56
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	9
AS-3	(psi)/(cfm)	11	10	AS-13B	(psi)/(cfm)	16	12
AS-4	(psi)/(cfm)	16	10	AS-14	(psi)/(cfm)	17	9
AS-5	(psi)/(cfm)	16	15	AS-15	(psi)/(cfm)	15	11
AS-6	(psi)/(cfm)	18	10	AS-16B	(psi)/(cfm)	15	9
AS-7	(psi)/(cfm)	17	7	AS-17	(psi)/(cfm)	16	20
AS-8	(psi)/(cfm)	15	13	AS-18	(psi)/(cfm)	15	11
AS-9	(psi)/(cfm)	17	11	AS-19	(psi)/(cfm)	16	6
AS-10B	(psi)/(cfm)	15	10				

Notes, Comments & Observations:

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-Apr
Weather / Temp: Clear/ 40 DEG
Technician / Operator: JW

Arrival Time: 9:30
Departure Time: 10:30

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	25.6A
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 1/29/25
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	Y	28A
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	

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101 Frost Street
Westbury, NY

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

Date: 30-Apr
Weather / Temp: Clear/ 65 DEG
Technician / Operator: JW

Arrival Time: 9:00
Departure Time: 10:30

System Status					
	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	OFF	ON	AS Compressor 1 (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	ON	OFF	AS Compressor 2 (ON/OFF)	OFF	OFF
			Air Cooler (ON/OFF)	ON	ON

Soil Vapor Extraction System				
Blower Air Velocity/Flow Rate (fpm)/(cfm)	3800	746	Blower 1 Total Runtime (hrs)	78,199.8
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	77,751.1
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Blower Inlet Vacuum ("H2O)	39		Blower 2 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	2.5		VGAC-1 Influent PID (ppm)	2
VGAC-1 Influent Vacuum ("H2O)	28		VGAC-1 Effluent PID (ppm)	0
VGAC-1 Effluent Vacuum ("H2O)	32		VGAC-2 Influent PID (ppm)	2
VGAC-2 Influent Vacuum ("H2O)	30		VGAC-2 Effluent PID (ppm)	0
VGAC-2 Effluent Vacuum ("H2O)	32		VGAC-3 Influent PID (ppm)	0
VGAC-3 Influent Vacuum ("H2O)	37		VGAC-3 Effluent PID (ppm)	0
VGAC-3 Effluent Vacuum ("H2O)	38		Blower Effluent PID (ppm)	0
VGAC-3 Influent Temp (DegF)			Transfer Pump Total Runtime (hrs)	25,328.1
Blower Effluent Pressure ("H2O)	7		Condensate Storage Tank Level (gal)	100

SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	35	5400	118		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	27	3400	74	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	36	3000	65		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	42	2450	53	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	26	4000	87		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	33	5000	109	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	24	3500	76		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	28	2500	55	

Air Sparge System			
Compressor 1 Pressure (psi)	16	Compressor 2 Pressure (psi)	Off
Compressor 1 Runtime (hrs)	34,035.9	Compressor 2 Temperature (degF)	Off
Air Cooler Inlet Temperature (degF)	104	Compressor 2 Regulator Pressure (psi)	Off
Air Cooler Outlet Temperature (degF)	84	Compressor 2 Runtime (hrs)	40,734
Air Cooler Inlet Pressure (psi)	15	AS Manifold Temperature (degF)	66
Air Cooler Outlet Pressure (psi)	16	AS Manifold Pressure	16

AS Manifold Legs - Pressure/Flow Rate						
	Pressure	Flow Rate			Pressure	Flow Rate
AS-1 (psi)/(cfm)	19	7	AS-11	(psi)/(cfm)	15	15
AS-2 (psi)/(cfm)	18	10	AS-12B	(psi)/(cfm)	18	5
AS-3 (psi)/(cfm)	12	10	AS-13B	(psi)/(cfm)	18	5
AS-4 (psi)/(cfm)	16	10	AS-14	(psi)/(cfm)	18	8
AS-5 (psi)/(cfm)	18	14	AS-15	(psi)/(cfm)	15	14
AS-6 (psi)/(cfm)	19	18	AS-16B	(psi)/(cfm)	18	6
AS-7 (psi)/(cfm)	18	7	AS-17	(psi)/(cfm)	19	9
AS-8 (psi)/(cfm)	16	12	AS-18	(psi)/(cfm)	16	15
AS-9 (psi)/(cfm)	18	12	AS-19	(psi)/(cfm)	16	10
AS-10B (psi)/(cfm)	18	10				

Notes, Comments & Observations:

Switched GAC-3 to vacuum side of blowers.

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

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

Date: 30-Apr
Weather / Temp: Clear/ 65 DEG
Technician / Operator: JW

Arrival Time: 9:00
Departure Time: 10:30

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	Y	Oil changed on 4/30/25
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	Y	Oil changed on 4/30/25
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 1/29/25
-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:	L2523239
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:	05/01/25

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: L2523239
Report Date: 05/01/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2523239-01	SVE EFFLUENT	SOIL_VAPOR	WESTBURY, NY	04/09/25 10:03	04/10/25
L2523239-02	SVE INFLUENT	SOIL_VAPOR	WESTBURY, NY	04/09/25 10:06	04/10/25

Project Name:	FROST ST 001	**Lab Number:**	L2523239
Project Number:	Not Specified	**Report Date:**	05/01/25

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 **Lab Number:** L2523239
Project Number: Not Specified **Report Date:** 05/01/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 2, 2025. The canister certification data is provided as an addendum.

L2523239-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG2060800-3 LCS recovery associated with L2523239-01 and -02D is above the upper 130% acceptance limit for vinyl acetate (66%). All samples associated with this LCS that have reportable amounts of this analyte will be reported will low bias.

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: 05/01/25

AIR

Project Name: FROST ST 001
Project Number: Not Specified

Lab Number: L2523239
Report Date: 05/01/25

SAMPLE RESULTS

Lab ID: L2523239-01
Client ID: SVE EFFLUENT
Sample Location: WESTBURY, NY

Date Collected: 04/09/25 10:03
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/01/25 04:44
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.516	0.200	--	2.55	0.989	--		1
Chloromethane	0.268	0.200	--	0.553	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	67.4	5.00	--	127	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.05	1.00	--	12.0	2.38	--		1
Trichlorofluoromethane	0.298	0.200	--	1.67	1.12	--		1
Isopropanol	12.0	1.00	--	29.5	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
Project Number: Not Specified

Lab Number: L2523239
Report Date: 05/01/25

SAMPLE RESULTS

Lab ID: L2523239-01
Client ID: SVE EFFLUENT
Sample Location: WESTBURY, NY

Date Collected: 04/09/25 10:03
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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	1.39	0.200	--	4.90	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.309	0.200	--	0.987	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	0.457	0.200	--	1.72	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

Project Name: FROST ST 001
Project Number: Not Specified

Lab Number: L2523239
Report Date: 05/01/25

SAMPLE RESULTS

Lab ID: L2523239-01
Client ID: SVE EFFLUENT
Sample Location: WESTBURY, NY

Date Collected: 04/09/25 10:03
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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	102		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	103		60-140

Project Name: FROST ST 001
Project Number: Not Specified

Lab Number: L2523239
Report Date: 05/01/25

SAMPLE RESULTS

Lab ID: L2523239-02 D
Client ID: SVE INFLUENT
Sample Location: WESTBURY, NY

Date Collected: 04/09/25 10:06
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/01/25 05:13
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	ND	4.81	--	ND	23.8	--		24.06
Chloromethane	ND	4.81	--	ND	9.93	--		24.06
Freon-114	ND	4.81	--	ND	33.6	--		24.06
Vinyl chloride	ND	4.81	--	ND	12.3	--		24.06
1,3-Butadiene	ND	4.81	--	ND	10.6	--		24.06
Bromomethane	ND	4.81	--	ND	18.7	--		24.06
Chloroethane	ND	4.81	--	ND	12.7	--		24.06
Ethanol	ND	120	--	ND	226	--		24.06
Vinyl bromide	ND	4.81	--	ND	21.0	--		24.06
Acetone	ND	24.1	--	ND	57.2	--		24.06
Trichlorofluoromethane	ND	4.81	--	ND	27.0	--		24.06
Isopropanol	ND	24.1	--	ND	59.2	--		24.06
1,1-Dichloroethene	ND	4.81	--	ND	19.1	--		24.06
Tertiary butyl Alcohol	ND	12.0	--	ND	36.4	--		24.06
Methylene chloride	ND	12.0	--	ND	41.7	--		24.06
3-Chloropropene	ND	4.81	--	ND	15.1	--		24.06
Carbon disulfide	ND	4.81	--	ND	15.0	--		24.06
Freon-113	ND	4.81	--	ND	36.9	--		24.06
trans-1,2-Dichloroethene	ND	4.81	--	ND	19.1	--		24.06
1,1-Dichloroethane	ND	4.81	--	ND	19.5	--		24.06
Methyl tert butyl ether	ND	4.81	--	ND	17.3	--		24.06
2-Butanone	ND	12.0	--	ND	35.4	--		24.06
cis-1,2-Dichloroethene	69.0	4.81	--	274	19.1	--		24.06

Project Name: FROST ST 001
Project Number: Not Specified

Lab Number: L2523239
Report Date: 05/01/25

SAMPLE RESULTS

Lab ID: L2523239-02 D
Client ID: SVE INFLUENT
Sample Location: WESTBURY, NY

Date Collected: 04/09/25 10:06
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	12.0	--	ND	43.2	--		24.06
Chloroform	ND	4.81	--	ND	23.5	--		24.06
Tetrahydrofuran	ND	12.0	--	ND	35.4	--		24.06
1,2-Dichloroethane	ND	4.81	--	ND	19.5	--		24.06
n-Hexane	ND	4.81	--	ND	17.0	--		24.06
1,1,1-Trichloroethane	ND	4.81	--	ND	26.2	--		24.06
Benzene	ND	4.81	--	ND	15.4	--		24.06
Carbon tetrachloride	ND	4.81	--	ND	30.3	--		24.06
Cyclohexane	ND	4.81	--	ND	16.6	--		24.06
1,2-Dichloropropane	ND	4.81	--	ND	22.2	--		24.06
Bromodichloromethane	ND	4.81	--	ND	32.2	--		24.06
1,4-Dioxane	ND	4.81	--	ND	17.3	--		24.06
Trichloroethene	138	4.81	--	742	25.9	--		24.06
2,2,4-Trimethylpentane	ND	4.81	--	ND	22.5	--		24.06
Heptane	ND	4.81	--	ND	19.7	--		24.06
cis-1,3-Dichloropropene	ND	4.81	--	ND	21.8	--		24.06
4-Methyl-2-pentanone	ND	12.0	--	ND	49.2	--		24.06
trans-1,3-Dichloropropene	ND	4.81	--	ND	21.8	--		24.06
1,1,2-Trichloroethane	ND	4.81	--	ND	26.2	--		24.06
Toluene	ND	4.81	--	ND	18.1	--		24.06
2-Hexanone	ND	4.81	--	ND	19.7	--		24.06
Dibromochloromethane	ND	4.81	--	ND	41.0	--		24.06
1,2-Dibromoethane	ND	4.81	--	ND	37.0	--		24.06
Tetrachloroethene	2150	4.81	--	14600	32.6	--		24.06
Chlorobenzene	ND	4.81	--	ND	22.2	--		24.06
Ethylbenzene	ND	4.81	--	ND	20.9	--		24.06

Project Name: FROST ST 001
Project Number: Not Specified

Lab Number: L2523239
Report Date: 05/01/25

SAMPLE RESULTS

Lab ID: L2523239-02 D
Client ID: SVE INFLUENT
Sample Location: WESTBURY, NY

Date Collected: 04/09/25 10:06
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
p/m-Xylene	ND	9.62	--	ND	41.8	--		24.06
Bromoform	ND	4.81	--	ND	49.7	--		24.06
Styrene	ND	4.81	--	ND	20.5	--		24.06
1,1,2,2-Tetrachloroethane	ND	4.81	--	ND	33.0	--		24.06
o-Xylene	ND	4.81	--	ND	20.9	--		24.06
4-Ethyltoluene	ND	4.81	--	ND	23.6	--		24.06
1,3,5-Trimethylbenzene	ND	4.81	--	ND	23.6	--		24.06
1,2,4-Trimethylbenzene	ND	4.81	--	ND	23.6	--		24.06
Benzyl chloride	ND	4.81	--	ND	24.9	--		24.06
1,3-Dichlorobenzene	ND	4.81	--	ND	28.9	--		24.06
1,4-Dichlorobenzene	ND	4.81	--	ND	28.9	--		24.06
1,2-Dichlorobenzene	ND	4.81	--	ND	28.9	--		24.06
1,2,4-Trichlorobenzene	ND	4.81	--	ND	35.7	--		24.06
Naphthalene	ND	4.57	--	ND	24.0	--		24.06
Hexachlorobutadiene	ND	4.81	--	ND	51.3	--		24.06

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	103		60-140

Project Name: FROST ST 001
Project Number: Not Specified
Lab Number: L2523239
Report Date: 05/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/30/25 17:28

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2060800-4								
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:** L2523239

Project Number: Not Specified **Report Date:** 05/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/30/25 17:28

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2060800-4								
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
Project Number: Not Specified

Lab Number: L2523239
Report Date: 05/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/30/25 17:28

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-02 Batch: WG2060800-4								
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: L2523239
Report Date: 05/01/25

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: WG2060800-3								
Dichlorodifluoromethane	107		-		70-130	-		
Chloromethane	103		-		70-130	-		
Freon-114	122		-		70-130	-		
Vinyl chloride	113		-		70-130	-		
1,3-Butadiene	101		-		70-130	-		
Bromomethane	123		-		70-130	-		
Chloroethane	111		-		70-130	-		
Ethanol	89		-		40-160	-		
Vinyl bromide	107		-		70-130	-		
Acetone	111		-		40-160	-		
Trichlorofluoromethane	112		-		70-130	-		
Isopropanol	96		-		40-160	-		
1,1-Dichloroethene	125		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	115		-		70-130	-		
3-Chloropropene	101		-		70-130	-		
Carbon disulfide	115		-		70-130	-		
Freon-113	117		-		70-130	-		
trans-1,2-Dichloroethene	108		-		70-130	-		
1,1-Dichloroethane	111		-		70-130	-		
Methyl tert butyl ether	103		-		70-130	-		
2-Butanone	109		-		70-130	-		
cis-1,2-Dichloroethene	103		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FROST ST 001
Project Number: Not Specified

Lab Number: L2523239
Report Date: 05/01/25

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: WG2060800-3								
Ethyl Acetate	104		-		70-130	-		
Chloroform	105		-		70-130	-		
Tetrahydrofuran	101		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	104		-		70-130	-		
1,1,1-Trichloroethane	103		-		70-130	-		
Benzene	106		-		70-130	-		
Carbon tetrachloride	102		-		70-130	-		
Cyclohexane	100		-		70-130	-		
1,2-Dichloropropane	109		-		70-130	-		
Bromodichloromethane	108		-		70-130	-		
1,4-Dioxane	101		-		70-130	-		
Trichloroethene	107		-		70-130	-		
2,2,4-Trimethylpentane	105		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	112		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	116		-		70-130	-		
1,1,2-Trichloroethane	114		-		70-130	-		
Toluene	113		-		70-130	-		
2-Hexanone	104		-		70-130	-		
Dibromochloromethane	118		-		70-130	-		
1,2-Dibromoethane	121		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FROST ST 001
Project Number: Not Specified

Lab Number: L2523239
Report Date: 05/01/25

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: WG2060800-3								
Tetrachloroethene	111		-		70-130	-		
Chlorobenzene	112		-		70-130	-		
Ethylbenzene	111		-		70-130	-		
p/m-Xylene	114		-		70-130	-		
Bromoform	120		-		70-130	-		
Styrene	112		-		70-130	-		
1,1,2,2-Tetrachloroethane	120		-		70-130	-		
o-Xylene	113		-		70-130	-		
4-Ethyltoluene	113		-		70-130	-		
1,3,5-Trimethylbenzene	114		-		70-130	-		
1,2,4-Trimethylbenzene	115		-		70-130	-		
Benzyl chloride	83		-		70-130	-		
1,3-Dichlorobenzene	118		-		70-130	-		
1,4-Dichlorobenzene	118		-		70-130	-		
1,2-Dichlorobenzene	118		-		70-130	-		
1,2,4-Trichlorobenzene	114		-		70-130	-		
Naphthalene	93		-		70-130	-		
Hexachlorobutadiene	104		-		70-130	-		

Project Name: FROST ST 001

Project Number:

Lab Number: L2523239

Report Date: 05/01/25

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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2523239-01	SVE EFFLUENT	02135	Flow 1	04/02/25	512716		-	-	-	Pass	160	165	3
L2523239-01	SVE EFFLUENT	4584	3.0L Can	04/02/25	512716	L2518457-06	Pass	-29.0	-4.6	-	-	-	-
L2523239-02	SVE INFLUENT	0481	Flow 1	04/02/25	512716		-	-	-	Pass	160	163	2
L2523239-02	SVE INFLUENT	4598	3.0L Can	04/02/25	512716	L2518457-06	Pass	-29.0	-5.1	-	-	-	-

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

Lab Number: L2518457
Report Date: 05/01/25

Air Canister Certification Results

Lab ID: L2518457-06
Client ID: CAN 4831 SHELF 36
Sample Location:

Date Collected: 03/27/25 18:00
Date Received: 03/28/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/29/25 04:30
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air 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: L2518457
Report Date: 05/01/25

Air Canister Certification Results

Lab ID: L2518457-06
Client ID: CAN 4831 SHELF 36
Sample Location:

Date Collected: 03/27/25 18:00
Date Received: 03/28/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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: L2518457
Report Date: 05/01/25

Air Canister Certification Results

Lab ID: L2518457-06
Client ID: CAN 4831 SHELF 36
Sample Location:

Date Collected: 03/27/25 18:00
Date Received: 03/28/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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: L2518457
Report Date: 05/01/25

Air Canister Certification Results

Lab ID: L2518457-06
Client ID: CAN 4831 SHELF 36
Sample Location:

Date Collected: 03/27/25 18:00
Date Received: 03/28/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air 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	0.996	--		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
Project Number: CANISTER QC BAT
Lab Number: L2518457
Report Date: 05/01/25

Air Canister Certification Results

Lab ID: L2518457-06
Client ID: CAN 4831 SHELF 36
Sample Location:

Date Collected: 03/27/25 18:00
Date Received: 03/28/25
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2518457
Report Date: 05/01/25

Air Canister Certification Results

Lab ID: L2518457-06
Client ID: CAN 4831 SHELF 36
Sample Location:

Date Collected: 03/27/25 18:00
Date Received: 03/28/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/29/25 04:30
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air 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: L2518457
Report Date: 05/01/25

Air Canister Certification Results

Lab ID: L2518457-06
Client ID: CAN 4831 SHELF 36
Sample Location:

Date Collected: 03/27/25 18:00
Date Received: 03/28/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air 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
1,1,2,2-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: L2518457
Report Date: 05/01/25

Air Canister Certification Results

Lab ID: L2518457-06
Client ID: CAN 4831 SHELF 36
Sample Location:

Date Collected: 03/27/25 18:00
Date Received: 03/28/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air 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	86		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140

Project Name: FROST ST 001
Project Number: Not Specified

Lab Number: L2523239
Report Date: 05/01/25

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(*)
L2523239-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2523239-02A	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:**	L2523239
Project Number:	Not Specified	**Report Date:**	05/01/25

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:**	L2523239
Project Number:	Not Specified	**Report Date:**	05/01/25

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:**	L2523239
Project Number:	Not Specified	**Report Date:**	05/01/25

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:** L2523239

Project Number: Not Specified **Report Date:** 05/01/25

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.

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, **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

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.

Serial_No:05012516:41

AIR ANALYSIS

CHAIN OF CUSTODY

PAGE 1 OF 1

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

Date Rec'd in Lab: 4/11/25

ALPHA Job #: L2523239

Client Information

Client: EnviroTrac
Address: 5 Old Dock Rd
Yaphank, NY 11980
Phone:
Fax:
Email: jamesw@envirotrac.com

❑ These samples have been previously analyzed by Alpha

Project Information

Project Name: Frost St OU1
Project Location: Westbury, NY
Project #:
Project Manager: Jim Wilkinson
ALPHA Quote #:

Turn-Around Time

☑ Standard ❑ RUSH (only confirmed if pre-approved!)

Date Due: Time:

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)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ❑

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
23239-01	SVE Effluent	4/9	9:48	10:03	29.8	5.0	SV	JW	3L	2727	02135	✓					
02	SVE Influent	4/9	9:51	10:06	29.5	5.0	SV	JW	3L	2601	0481	✓					

ANALYSIS (also: ❑ Subtract Non-petroleum HCs)

*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:
J. Wilkinson	4/10 10:00	[signature]	4/10/25 1340
[signature]	4/10/25 1720		
MO A Pace 20,57	4/10/25	Paul Marcella	4/10/25 2115
Paul Marcella	4/10/25	[illegible] 4/11/25 0250	[signature] 4/11/25 0650

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.