

March 15, 2024

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

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

Re: Progress Report: February 2024
Frost Street Sites: Site ID Nos. 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. Aucoin,

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

Air Sparge/Soil Vapor Extraction System – Operable Unit 1

- AS/SVE system operations continued this month, per the OM&M Manual. During periodic visits, system parameters were logged on dedicated forms (Appendix A). During the month of February, two alarm calls were received related to high water level in the condensate water knockout tank. The alarms were addressed by restart and subsequent repairs to the transfer pump coupling.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on February 27 using Summa canisters. These samples were obtained by EnviroTrac, submitted to Con-Test (Pace Analytical Laboratories), and analyzed by Method TO-15. Results are included in Appendix B.
- Photoionization detector readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [48,360 µg/m³]) continue to indicate significant mass extraction.
- Effluent concentrations are below the carbon exchange indicator concentrations as shown below.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800 ft ³ /min	
Compound	Annual Mass Emission Limit ¹ (lbs/year)	Carbon Exchange Required Indicator Concentration (µg/m ³) ²	February 2024 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	4.0
Tetrachloroethene	1,000	38,000	22
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

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

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

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

- System condensate water was discharged from the holding tank to the sewer via the onsite connection one time in February (February 27 – 375 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 February except for February 3 from 3:00 AM to 11:00 AM and February 23 from 3:00 AM to 10:00 AM due to a pump controller alarm. In both cases, the pump was restarted and resumed operation. To date, over 425 million gallons of groundwater have been removed by this system.

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>
	C. Bethoney, NYSDOH	<i>Via email to charlotte.bethoney@health.ny.gov</i>
	S. Bogardus, NYSDOH	<i>Via email to sara.bogardus@health.ny.gov</i>
	R. Putnam, NCDOH	<i>Via email to rputnam@nassaucountyny.gov</i>
	J. Vazquez, U.S. EPA	<i>Via email to vazquez.julio@epa.gov</i>
	T. Pupilla, Sanders Equities	<i>Via email to tpupilla@sandersequities.com</i>
	J. Privitera, Esq., WOH	<i>Via email to jprivitera@woh.com</i>
	T. Ruane, WOH	<i>Via email to truane@woh.com</i>
	P. Coop, EnSafe	<i>Via email to pcoop@ensafe.com</i>
	J. Wilkinson, Envirotrac	<i>Via email to jamesw@envirotrac.com</i>

Appendix A
AS/SVE System Operation and Maintenance Logs

Operation & Maintenance Data Sheet

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: 27-Feb
Weather / Temp: Clear / 45 DEG
Technician / Operator: JW

Arrival Time: 9:30
Departure Time: 12:00

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	OFF		ON		AS Compressor 1 (ON/OFF)	OFF		ON	
SVE Blower 2 (ON/OFF)	OFF		OFF		AS Compressor 2 (ON/OFF)	OFF		OFF	
					Air Cooler (ON/OFF)	OFF		ON	
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	3500		687		Blower 1 Total Runtime (hrs)	73,315.0			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	72,913.7			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	46.5				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3				VGAC-1 Influent PID (ppm)	1			
VGAC-1 Influent Vacuum ("H2O)	38				VGAC-1 Effluent PID (ppm)	0			
VGAC-1 Effluent Vacuum ("H2O)	42				VGAC-2 Influent PID (ppm)	1			
VGAC-2 Influent Vacuum ("H2O)	38				VGAC-2 Effluent PID (ppm)	0			
VGAC-2 Effluent Vacuum ("H2O)	40				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)	108				Transfer Pump Total Runtime (hrs)	25,320.8			
Blower Effluent Pressure ("H2O)	14				Condensate Storage Tank Level (gal)	375 → 0			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	42	6500	142	3	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	35	3600	79	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	3000	65	1	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	50	2600	57	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	36	4400	96	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	42	5500	120	6
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	34	3500	76	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	38	2600	57	0
Air Sparge System									
Compressor 1 Pressure (psi)	18				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	24,382.7				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	98				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	64				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	20				AS Manifold Temperature (degF)	68			
Air Cooler Outlet Pressure (psi)	20				AS Manifold Pressure	20			
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate				Pressure	Flow Rate		
AS-1 (psi)/(cfm)	21	5	AS-11 (psi)/(cfm)		19		17		
AS-2 (psi)/(cfm)	22	10	AS-12B (psi)/(cfm)		20		5		
AS-3 (psi)/(cfm)	15	18	AS-13B (psi)/(cfm)		19		7		
AS-4 (psi)/(cfm)	19	10	AS-14 (psi)/(cfm)		20		7		
AS-5 (psi)/(cfm)	20	10	AS-15 (psi)/(cfm)		20		10		
AS-6 (psi)/(cfm)	22	6	AS-16B (psi)/(cfm)		19		6		
AS-7 (psi)/(cfm)	20	11	AS-17 (psi)/(cfm)		20		5		
AS-8 (psi)/(cfm)	19	11	AS-18 (psi)/(cfm)		20		12		
AS-9 (psi)/(cfm)	20	13	AS-19 (psi)/(cfm)		20		15		
AS-10B (psi)/(cfm)	19	10							

Notes, Comments & Observations:

Collected discharge water sample.

Repaired transfer pump and restarted system.

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: 27-Feb
Weather / Temp: Clear / 45 DEG
Technician / Operator: JW

Arrival Time: 9:30
Departure Time: 12:00

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 10/27/23
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	Oil changed on 10/27/23
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	Y	Oil changed on 1/31/24
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
Air Cooler			
-Inspect	Weekly	Y	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

ALARM VISIT LOG
AS/SVE SYSTEM
101 FROST STREET, WESTBURY, NY

[illegible]

Appendix B
AS/SVE System Influent/Effluent Sampling
Laboratory Analytical Results

March 14, 2024

James Wilkinson
EnviroTrac Ltd - Yaphank, NY
5 Old Dock Road
Yaphank, NY 11980

Project Location: Westbury, NY
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 24B3035

Enclosed are results of analyses for samples as received by the laboratory on February 29, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332EnviroTrac Ltd - Yaphank, NY
5 Old Dock Road
Yaphank, NY 11980
ATTN: James Wilkinson

REPORT DATE: 3/14/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24B3035

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Westbury, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE Effluent	24B3035-01	Air		- EPA TO-15	
SVE Influent	24B3035-02	Air		- EPA TO-15	

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

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15**Qualifications:**

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

24B3035-02[SVE Influent]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 2/29/2024
Field Sample #: SVE Effluent
Sample ID: 24B3035-01
Sample Matrix: Air
Sampled: 2/27/2024 11:31

Sample Description/Location:
Sub Description/Location:
Canister ID: 2371
Canister Size: 3 liter
Flow Controller ID: 4372
Sample Type: 15 min

Work Order: 24B3035
Initial Vacuum(in Hg): 29
Final Vacuum(in Hg): 7
Receipt Vacuum(in Hg): -7.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	12	4.0		27	9.5	2	3/13/24 21:32	CMR	
Benzene	0.48	0.10		1.5	0.32	2	3/13/24 21:32	CMR	
Benzyl chloride	ND	0.10		ND	0.52	2	3/13/24 21:32	CMR	
Bromodichloromethane	ND	0.10		ND	0.67	2	3/13/24 21:32	CMR	
Bromoform	ND	0.10		ND	1.0	2	3/13/24 21:32	CMR	
Bromomethane	ND	0.10		ND	0.39	2	3/13/24 21:32	CMR	
1,3-Butadiene	ND	0.10		ND	0.22	2	3/13/24 21:32	CMR	
2-Butanone (MEK)	ND	4.0		ND	12	2	3/13/24 21:32	CMR	
Carbon Disulfide	ND	1.0		ND	3.1	2	3/13/24 21:32	CMR	
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/13/24 21:32	CMR	
Chlorobenzene	ND	0.10		ND	0.46	2	3/13/24 21:32	CMR	
Chloroethane	ND	0.10		ND	0.26	2	3/13/24 21:32	CMR	
Chloroform	ND	0.10		ND	0.49	2	3/13/24 21:32	CMR	
Chloromethane	0.23	0.20		0.47	0.41	2	3/13/24 21:32	CMR	
Cyclohexane	ND	0.20		ND	0.69	2	3/13/24 21:32	CMR	
Dibromochloromethane	ND	0.10		ND	0.85	2	3/13/24 21:32	CMR	
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/13/24 21:32	CMR	
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/13/24 21:32	CMR	
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/13/24 21:32	CMR	
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/13/24 21:32	CMR	
Dichlorodifluoromethane (Freon 12)	0.38	0.10		1.9	0.49	2	3/13/24 21:32	CMR	
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/13/24 21:32	CMR	
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/13/24 21:32	CMR	
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/13/24 21:32	CMR	
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/13/24 21:32	CMR	
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/13/24 21:32	CMR	
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/13/24 21:32	CMR	
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/13/24 21:32	CMR	
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/13/24 21:32	CMR	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/13/24 21:32	CMR	
1,4-Dioxane	ND	1.0		ND	3.6	2	3/13/24 21:32	CMR	
Ethanol	4.3	4.0		8.0	7.5	2	3/13/24 21:32	CMR	
Ethyl Acetate	ND	1.0		ND	3.6	2	3/13/24 21:32	CMR	
Ethylbenzene	ND	0.10		ND	0.43	2	3/13/24 21:32	CMR	
4-Ethyltoluene	ND	0.10		ND	0.49	2	3/13/24 21:32	CMR	
Heptane	ND	0.10		ND	0.41	2	3/13/24 21:32	CMR	
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/13/24 21:32	CMR	

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 2/29/2024
Field Sample #: SVE Effluent
Sample ID: 24B3035-01
Sample Matrix: Air
Sampled: 2/27/2024 11:31

Sample Description/Location:
Sub Description/Location:
Canister ID: 2371
Canister Size: 3 liter
Flow Controller ID: 4372
Sample Type: 15 min

Work Order: 24B3035
Initial Vacuum(in Hg): 29
Final Vacuum(in Hg): 7
Receipt Vacuum(in Hg): -7.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15									
Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Hexane	ND	4.0		ND	14	2	3/13/24 21:32		CMR
2-Hexanone (MBK)	0.13	0.10		0.54	0.41	2	3/13/24 21:32		CMR
Isopropanol	ND	4.0		ND	9.8	2	3/13/24 21:32		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	3/13/24 21:32		CMR
Methylene Chloride	ND	1.0		ND	3.5	2	3/13/24 21:32		CMR
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	3/13/24 21:32		CMR
Naphthalene	ND	0.10		ND	0.52	2	3/13/24 21:32		CMR
Propene	ND	4.0		ND	6.9	2	3/13/24 21:32		CMR
Styrene	ND	0.10		ND	0.43	2	3/13/24 21:32		CMR
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/13/24 21:32		CMR
Tetrachloroethylene	3.2	0.10		22	0.68	2	3/13/24 21:32		CMR
Tetrahydrofuran	ND	1.0		ND	2.9	2	3/13/24 21:32		CMR
Toluene	0.22	0.10		0.83	0.38	2	3/13/24 21:32		CMR
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	3/13/24 21:32		CMR
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/13/24 21:32		CMR
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/13/24 21:32		CMR
Trichloroethylene	0.74	0.10		4.0	0.54	2	3/13/24 21:32		CMR
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	3/13/24 21:32		CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	3/13/24 21:32		CMR
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	3/13/24 21:32		CMR
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	3/13/24 21:32		CMR
Vinyl Acetate	ND	2.0		ND	7.0	2	3/13/24 21:32		CMR
Vinyl Chloride	ND	0.10		ND	0.26	2	3/13/24 21:32		CMR
m&p-Xylene	ND	0.20		ND	0.87	2	3/13/24 21:32		CMR
o-Xylene	ND	0.10		ND	0.43	2	3/13/24 21:32		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	3/13/24 21:32

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ANALYTICAL RESULTS

Project Location: Westbury, NY
 Date Received: 2/29/2024
Field Sample #: SVE Influent
Sample ID: 24B3035-02
 Sample Matrix: Air
 Sampled: 2/27/2024 11:40

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2437
 Canister Size: 3 liter
 Flow Controller ID: 4287
 Sample Type: 15 min

Work Order: 24B3035
 Initial Vacuum(in Hg): 30
 Final Vacuum(in Hg): 9
 Receipt Vacuum(in Hg): -7.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15									
Sample Flags: RL-11									
Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	ND	300		ND	710	150	3/13/24 22:02		CMR
Benzene	ND	7.5		ND	24	150	3/13/24 22:02		CMR
Benzyl chloride	ND	7.5		ND	39	150	3/13/24 22:02		CMR
Bromodichloromethane	ND	7.5		ND	50	150	3/13/24 22:02		CMR
Bromoform	ND	7.5		ND	78	150	3/13/24 22:02		CMR
Bromomethane	ND	7.5		ND	29	150	3/13/24 22:02		CMR
1,3-Butadiene	ND	7.5		ND	17	150	3/13/24 22:02		CMR
2-Butanone (MEK)	ND	300		ND	880	150	3/13/24 22:02		CMR
Carbon Disulfide	ND	75		ND	230	150	3/13/24 22:02		CMR
Carbon Tetrachloride	ND	7.5		ND	47	150	3/13/24 22:02		CMR
Chlorobenzene	ND	7.5		ND	35	150	3/13/24 22:02		CMR
Chloroethane	ND	7.5		ND	20	150	3/13/24 22:02		CMR
Chloroform	ND	7.5		ND	37	150	3/13/24 22:02		CMR
Chloromethane	20	15		42	31	150	3/13/24 22:02		CMR
Cyclohexane	ND	15		ND	52	150	3/13/24 22:02		CMR
Dibromochloromethane	ND	7.5		ND	64	150	3/13/24 22:02		CMR
1,2-Dibromoethane (EDB)	ND	7.5		ND	58	150	3/13/24 22:02		CMR
1,2-Dichlorobenzene	ND	7.5		ND	45	150	3/13/24 22:02		CMR
1,3-Dichlorobenzene	ND	7.5		ND	45	150	3/13/24 22:02		CMR
1,4-Dichlorobenzene	ND	7.5		ND	45	150	3/13/24 22:02		CMR
Dichlorodifluoromethane (Freon 12)	11	7.5		53	37	150	3/13/24 22:02		CMR
1,1-Dichloroethane	ND	7.5		ND	30	150	3/13/24 22:02		CMR
1,2-Dichloroethane	ND	7.5		ND	30	150	3/13/24 22:02		CMR
1,1-Dichloroethylene	ND	7.5		ND	30	150	3/13/24 22:02		CMR
cis-1,2-Dichloroethylene	91	7.5		360	30	150	3/13/24 22:02		CMR
trans-1,2-Dichloroethylene	ND	7.5		ND	30	150	3/13/24 22:02		CMR
1,2-Dichloropropane	ND	7.5		ND	35	150	3/13/24 22:02		CMR
cis-1,3-Dichloropropene	ND	7.5		ND	34	150	3/13/24 22:02		CMR
trans-1,3-Dichloropropene	ND	7.5		ND	34	150	3/13/24 22:02		CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	7.5		ND	52	150	3/13/24 22:02		CMR
1,4-Dioxane	ND	75		ND	270	150	3/13/24 22:02		CMR
Ethanol	410	300		780	570	150	3/13/24 22:02		CMR
Ethyl Acetate	ND	75		ND	270	150	3/13/24 22:02		CMR
Ethylbenzene	ND	7.5		ND	33	150	3/13/24 22:02		CMR
4-Ethyltoluene	ND	7.5		ND	37	150	3/13/24 22:02		CMR
Heptane	ND	7.5		ND	31	150	3/13/24 22:02		CMR
Hexachlorobutadiene	ND	7.5		ND	80	150	3/13/24 22:02		CMR

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 2/29/2024
Field Sample #: SVE Influent
Sample ID: 24B3035-02
Sample Matrix: Air
Sampled: 2/27/2024 11:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 2437
Canister Size: 3 liter
Flow Controller ID: 4287
Sample Type: 15 min

Work Order: 24B3035
Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 9
Receipt Vacuum(in Hg): -7.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15								
Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time	
	Results	RL		Results	RL		Analyzed	Analyst
Hexane	ND	300		ND	1100	150	3/13/24 22:02	CMR
2-Hexanone (MBK)	ND	7.5		ND	31	150	3/13/24 22:02	CMR
Isopropanol	ND	300		ND	740	150	3/13/24 22:02	CMR
Methyl tert-Butyl Ether (MTBE)	ND	7.5		ND	27	150	3/13/24 22:02	CMR
Methylene Chloride	ND	75		ND	260	150	3/13/24 22:02	CMR
4-Methyl-2-pentanone (MIBK)	ND	7.5		ND	31	150	3/13/24 22:02	CMR
Naphthalene	ND	7.5		ND	39	150	3/13/24 22:02	CMR
Propene	ND	300		ND	520	150	3/13/24 22:02	CMR
Styrene	ND	7.5		ND	32	150	3/13/24 22:02	CMR
1,1,2,2-Tetrachloroethane	ND	7.5		ND	51	150	3/13/24 22:02	CMR
Tetrachloroethylene	5100	7.5		34000	51	150	3/13/24 22:02	CMR
Tetrahydrofuran	ND	75		ND	220	150	3/13/24 22:02	CMR
Toluene	ND	7.5		ND	28	150	3/13/24 22:02	CMR
1,2,4-Trichlorobenzene	ND	7.5		ND	56	150	3/13/24 22:02	CMR
1,1,1-Trichloroethane	ND	7.5		ND	41	150	3/13/24 22:02	CMR
1,1,2-Trichloroethane	ND	7.5		ND	41	150	3/13/24 22:02	CMR
Trichloroethylene	260	7.5		1400	40	150	3/13/24 22:02	CMR
Trichlorofluoromethane (Freon 11)	ND	30		ND	170	150	3/13/24 22:02	CMR
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	30		ND	230	150	3/13/24 22:02	CMR
1,2,4-Trimethylbenzene	ND	7.5		ND	37	150	3/13/24 22:02	CMR
1,3,5-Trimethylbenzene	ND	7.5		ND	37	150	3/13/24 22:02	CMR
Vinyl Acetate	ND	150		ND	530	150	3/13/24 22:02	CMR
Vinyl Chloride	ND	7.5		ND	19	150	3/13/24 22:02	CMR
m&p-Xylene	ND	15		ND	65	150	3/13/24 22:02	CMR
o-Xylene	ND	7.5		ND	33	150	3/13/24 22:02	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.9	70-130	3/13/24 22:02

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

Sample Extraction Data**Prep Method:TO-15 Prep****Analytical Method:EPA TO-15**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
24B3035-01 [SVE Effluent]	B368423	1.5	1	N/A	1000	200	150	03/13/24
24B3035-02 [SVE Influent]	B368423	1.5	100	10	1000	200	200	03/13/24

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

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	

Batch B368423 - TO-15 Prep
Blank (B368423-BLK1)

Prepared & Analyzed: 03/13/24

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

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

QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit	

Batch B368423 - TO-15 Prep
Blank (B368423-BLK1)

Prepared & Analyzed: 03/13/24

1,1,2,2-Tetrachloroethane	ND	0.034
Tetrachloroethylene	ND	0.034
Tetrahydrofuran	ND	0.34
Toluene	ND	0.034
1,2,4-Trichlorobenzene	ND	0.034
1,1,1-Trichloroethane	ND	0.034
1,1,2-Trichloroethane	ND	0.034
Trichloroethylene	ND	0.034
Trichlorofluoromethane (Freon 11)	ND	0.14
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14
1,2,4-Trimethylbenzene	ND	0.034
1,3,5-Trimethylbenzene	ND	0.034
Vinyl Acetate	ND	0.69
Vinyl Chloride	ND	0.034
m&p-Xylene	ND	0.069
o-Xylene	ND	0.034

<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>7.70</i>	<i>8.00</i>	<i>96.3</i>	<i>70-130</i>
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LCS (B368423-BS1)

Prepared & Analyzed: 03/13/24

Acetone	5.06	5.00	101	70-130
Benzene	4.96	5.00	99.2	70-130
Benzyl chloride	5.12	5.00	102	70-130
Bromodichloromethane	5.34	5.00	107	70-130
Bromoform	5.87	5.00	117	70-130
Bromomethane	4.62	5.00	92.4	70-130
1,3-Butadiene	5.38	5.00	108	70-130
2-Butanone (MEK)	4.05	5.00	81.1	70-130
Carbon Disulfide	4.73	5.00	94.5	70-130
Carbon Tetrachloride	5.90	5.00	118	70-130
Chlorobenzene	5.01	5.00	100	70-130
Chloroethane	4.70	5.00	94.1	70-130
Chloroform	4.89	5.00	97.8	70-130
Chloromethane	4.94	5.00	98.8	70-130
Cyclohexane	4.95	5.00	98.9	70-130
Dibromochloromethane	5.65	5.00	113	70-130
1,2-Dibromoethane (EDB)	5.13	5.00	103	70-130
1,2-Dichlorobenzene	5.40	5.00	108	70-130
1,3-Dichlorobenzene	5.02	5.00	100	70-130
1,4-Dichlorobenzene	5.49	5.00	110	70-130
Dichlorodifluoromethane (Freon 12)	5.10	5.00	102	70-130
1,1-Dichloroethane	4.98	5.00	99.5	70-130
1,2-Dichloroethane	5.07	5.00	101	70-130
1,1-Dichloroethylene	5.15	5.00	103	70-130
cis-1,2-Dichloroethylene	4.93	5.00	98.6	70-130
trans-1,2-Dichloroethylene	4.89	5.00	97.8	70-130
1,2-Dichloropropane	5.10	5.00	102	70-130

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QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result		Limits	RPD	Limit	
Batch B368423 - TO-15 Prep											
LCS (B368423-BS1)					Prepared & Analyzed: 03/13/24						
cis-1,3-Dichloropropene	4.86				5.00		97.1	70-130			
trans-1,3-Dichloropropene	5.56				5.00		111	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.71				5.00		94.3	70-130			
1,4-Dioxane	5.33				5.00		107	70-130			
Ethanol	6.00				5.00		120	70-130			
Ethyl Acetate	3.69				5.00		73.8	70-130			
Ethylbenzene	4.94				5.00		98.8	70-130			
4-Ethyltoluene	5.20				5.00		104	70-130			
Heptane	5.61				5.00		112	70-130			
Hexachlorobutadiene	5.08				5.00		102	70-130			
Hexane	4.81				5.00		96.3	70-130			
2-Hexanone (MBK)	5.15				5.00		103	70-130			
Isopropanol	5.28				5.00		106	70-130			
Methyl tert-Butyl Ether (MTBE)	4.54				5.00		90.8	70-130			
Methylene Chloride	4.82				5.00		96.4	70-130			
4-Methyl-2-pentanone (MIBK)	5.40				5.00		108	70-130			
Naphthalene	4.87				5.00		97.4	70-130			
Propene	4.66				5.00		93.2	70-130			
Styrene	5.25				5.00		105	70-130			
1,1,2,2-Tetrachloroethane	5.07				5.00		101	70-130			
Tetrachloroethylene	5.05				5.00		101	70-130			
Tetrahydrofuran	4.72				5.00		94.5	70-130			
Toluene	5.02				5.00		100	70-130			
1,2,4-Trichlorobenzene	5.22				5.00		104	70-130			
1,1,1-Trichloroethane	5.17				5.00		103	70-130			
1,1,2-Trichloroethane	5.23				5.00		105	70-130			
Trichloroethylene	5.23				5.00		105	70-130			
Trichlorofluoromethane (Freon 11)	5.39				5.00		108	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.02				5.00		100	70-130			
1,2,4-Trimethylbenzene	4.98				5.00		99.6	70-130			
1,3,5-Trimethylbenzene	5.43				5.00		109	70-130			
Vinyl Acetate	3.66				5.00		73.3	70-130			
Vinyl Chloride	4.90				5.00		97.9	70-130			
m&p-Xylene	10.5				10.0		105	70-130			
o-Xylene	5.19				5.00		104	70-130			
Surrogate: 4-Bromofluorobenzene (1)	7.85				8.00		98.1	70-130			

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

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
RL-11	Elevated reporting limit due to high concentration of target compounds.

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

INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S101394-ICV1)			Lab File ID: K24A037019.D			Analyzed: 02/07/24 00:09			
Bromochloromethane (1)	142760	2.896	140493	2.896	102	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	402711	3.527	389910	3.52	103	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	376563	5.142	366115	5.142	103	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S101638-CCV1)			Lab File ID: K24A073003.D			Analyzed: 03/13/24 10:45			
Bromochloromethane (1)	113850	2.895				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	278657	3.526				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	257498	5.142				60 - 140		+/-0.50	
LCS (B368423-BS1)			Lab File ID: K24A073004.D			Analyzed: 03/13/24 11:13			
Bromochloromethane (1)	111359	2.896	113850	2.895	98	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	282211	3.527	278657	3.526	101	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	264226	5.142	257498	5.142	103	60 - 140	0.0000	+/-0.50	
Blank (B368423-BLK1)			Lab File ID: K24A073007.D			Analyzed: 03/13/24 12:47			
Bromochloromethane (1)	109046	2.896	113850	2.895	96	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	273535	3.527	278657	3.526	98	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	252345	5.142	257498	5.142	98	60 - 140	0.0000	+/-0.50	
SVE Effluent (24B3035-01)			Lab File ID: K24A073022.D			Analyzed: 03/13/24 21:32			
Bromochloromethane (1)	104766	2.904	113850	2.895	92	60 - 140	0.0090	+/-0.50	
1,4-Difluorobenzene (1)	259556	3.528	278657	3.526	93	60 - 140	0.0020	+/-0.50	
Chlorobenzene-d5 (1)	241159	5.142	257498	5.142	94	60 - 140	0.0000	+/-0.50	
SVE Influent (24B3035-02)			Lab File ID: K24A073023.D			Analyzed: 03/13/24 22:02			
Bromochloromethane (1)	105507	2.904	113850	2.895	93	60 - 140	0.0090	+/-0.50	
1,4-Difluorobenzene (1)	258538	3.527	278657	3.526	93	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	244442	5.143	257498	5.142	95	60 - 140	0.0010	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S101638-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.04	0.9903157	0.9974106		0.7	30
Benzene	A	5.00	5.40	0.5804471	0.6267548		8.0	30
Benzyl chloride	A	5.00	5.22	0.8012401	0.8370644		4.5	30
Bromodichloromethane	A	5.00	5.79	0.6035284	0.6988951		15.8	30
Bromoform	A	5.00	6.07	0.6206791	0.7540253		21.5	30
Bromomethane	A	5.00	4.74	0.6013432	0.5702521		-5.2	30
1,3-Butadiene	A	5.00	5.49	0.5114432	0.4764163		9.8	30
2-Butanone (MEK)	A	5.00	4.20	1.19898	1.005857		-16.1	30
Carbon Disulfide	A	5.00	4.78	1.547095	1.477411		-4.5	30
Carbon Tetrachloride	A	5.00	6.33	0.7460805	0.9443007		26.6	30
Chlorobenzene	A	5.00	5.48	0.722567	0.7918601		9.6	30
Chloroethane	A	5.00	5.07	0.3176996	0.3218972		1.3	30
Chloroform	A	5.00	5.00	1.566853	1.565161		-0.1	30
Chloromethane	A	5.00	5.06	0.5148629	0.5210365		1.2	30
Cyclohexane	A	5.00	5.31	0.2460699	0.2613679		6.2	30
Dibromochloromethane	A	5.00	6.09	0.6660755	0.8113647		21.8	30
1,2-Dibromoethane (EDB)	A	5.00	5.60	0.4925855	0.5518148		12.0	30
1,2-Dichlorobenzene	A	5.00	5.50	0.701028	0.7705163		9.9	30
1,3-Dichlorobenzene	A	5.00	5.92	0.7869725	0.9322201		18.5	30
1,4-Dichlorobenzene	A	5.00	5.10	0.7136596	0.7280709		2.0	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.23	2.244554	2.346203		4.5	30
1,1-Dichloroethane	A	5.00	5.04	1.19761	1.207498		0.8	30
1,2-Dichloroethane	A	5.00	5.35	1.327611	1.419355		6.9	30
1,1-Dichloroethylene	A	5.00	5.16	1.286309	1.326616		3.1	30
cis-1,2-Dichloroethylene	A	5.00	4.91	1.000014	0.9814317		-1.9	30
trans-1,2-Dichloroethylene	A	5.00	5.04	1.057115	1.066709		0.9	30
1,2-Dichloropropane	A	5.00	5.28	0.2447565	0.2584683		5.6	30
cis-1,3-Dichloropropene	A	5.00	5.61	0.3924667	0.440289		12.2	30
trans-1,3-Dichloropropene	A	5.00	5.57	0.351687	0.3919658		11.5	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	5.11	1.740306	1.777764		2.2	30
1,4-Dioxane	A	5.00	5.23	0.1242478	0.1298858		4.5	30
Ethanol	A	5.00	5.56	0.1165185	0.1295881		11.2	30
Ethyl Acetate	A	5.00	3.84	0.2207404	0.1693035		-23.3	30
Ethylbenzene	A	5.00	5.57	1.165605	1.29844		11.4	30
4-Ethyltoluene	A	5.00	5.44	1.273496	1.384797		8.7	30
Heptane	A	5.00	5.84	0.2184138	0.2551897		16.8	30
Hexachlorobutadiene	A	5.00	5.24	0.6781653	0.7105049		4.8	30
Hexane	A	5.00	4.60	0.7870748	0.7247571		-7.9	30

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S101638-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.32	0.4891791	0.5204794		6.4	30
Isopropanol	A	5.00	5.26	1.238257	1.303694		5.3	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.57	1.903147	1.739355		-8.6	30
Methylene Chloride	A	5.00	5.05	0.7793922	0.7870145		1.0	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.90	0.1920707	0.2265552		18.0	30
Naphthalene	A	5.00	4.39	1.104655	0.9691291		-12.3	30
Propene	A	5.00	4.65	0.4630514	0.4308968		-6.9	30
Styrene	A	5.00	5.86	0.6227226	0.7291769		17.1	30
1,1,2,2-Tetrachloroethane	A	5.00	5.52	0.5543625	0.6116086		10.3	30
Tetrachloroethylene	A	5.00	5.50	0.4887859	0.5381696		10.1	30
Tetrahydrofuran	A	5.00	4.30	0.565722	0.4869565		-13.9	30
Toluene	A	5.00	5.40	0.8231446	0.889756		8.1	30
1,2,4-Trichlorobenzene	A	5.00	4.68	0.5170549	0.4836325		-6.5	30
1,1,1-Trichloroethane	A	5.00	5.69	0.6844746	0.7784768		13.7	30
1,1,2-Trichloroethane	A	5.00	5.60	0.2871772	0.3217734		12.0	30
Trichloroethylene	A	5.00	5.32	0.3312558	0.3526055		6.4	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.51	2.489956	2.742331		10.1	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	5.12	1.440591	1.476258		2.5	30
1,2,4-Trimethylbenzene	A	5.00	5.36	1.180733	1.265501		7.2	30
1,3,5-Trimethylbenzene	A	5.00	5.87	1.164934	1.368672		17.5	30
Vinyl Acetate	A	5.00	4.35	1.245417	1.083756		-13.0	30
Vinyl Chloride	A	5.00	4.91	0.6172534	0.6055968		-1.9	30
m&p-Xylene	A	10.0	11.5	0.9911532	1.139302		14.9	30
o-Xylene	A	5.00	5.80	0.9697068	1.12434		15.9	30

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

* Values outside of QC limits

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Acetone	NY,ME,NH
Benzene	FL,NJ,NY,ME,NH,VA
Benzyl chloride	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
Bromomethane	FL,NJ,NY,ME,NH
1,3-Butadiene	NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
Carbon Disulfide	NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Cyclohexane	NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	NJ,NY,ME,NH,VA
1,4-Dioxane	NJ,NY,ME,NH,VA
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Heptane	NJ,NY,ME,NH,VA
Hexachlorobutadiene	NJ,NY,ME,NH,VA
Hexane	FL,NJ,NY,ME,NH,VA
Isopropanol	NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA

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

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Acetate	FL,NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

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

Log In Back-Sheet

Client Enviro Trac
 Project Frost St GUI
 MCP/RCP Required _____
 Deliverable Package Requirement _____
 Location Westbury, NY
 PWSID# (When Applicable) _____
 Arrival Method Courier
 Received By / Date / Time KMC 2/29/24 1003
 Back-Sheet By / Date / Time KMC 2/29/24 1027
 Temperature Method _____ # _____
 Temp $\leq 6^{\circ}\text{C}$ ☐ Actual Temperature _____
 Rush Samples: Yes / No _____ Notify _____
 Short Hold: Yes / No _____ Notify _____

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
 Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒	Analysis ☒	Sampler Name ☒
Project ☒	IDs ☒	Collection Date/Time ☒

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	2	3L	2	15min	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s					Regs #'s				
1	2371	6	11	16	1	4372	6	11	16
2	2437	7	12	17	2	4287	7	12	17
3		8	13	18	3		8	13	18
4		9	14	19	4		9	14	19
Unused Media					Pufs/TO-17's				
1		5	10	15	1		6	11	16
2		6	11	16	2		7	12	17
3		7	12	17	3		8	13	18
4		8	13	18	4		9	14	19

Qualtrax ID: 127034

Page 1 of 1

Appendix C
AS/SVE System Water Sample
Laboratory Analytical Results



Monday, March 04, 2024

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

Project ID: FROST STREET-OU1
SDG ID: GCQ15504
Sample ID#s: CQ15504

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

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

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

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

Sincerely yours,

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

Phyllis Shiller

Laboratory Director

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

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



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



Sample Id Cross Reference

March 04, 2024

SDG I.D.: GCQ15504

Project ID: FROST STREET-OU1

Client Id	Lab Id	Matrix
SVE DISCHARGE WATER	CQ15504	GROUND WATER



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



Analysis Report

March 04, 2024

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

Sample Information

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

Custody Information

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

Date

02/27/24
02/27/24

Time

10:30
15:48

Laboratory Data

SDG ID: GCQ15504
Phoenix ID: CQ15504

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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Cadmium	< 0.001	0.001		mg/L	1	03/01/24	TH	SW6010D
Chromium	< 0.001	0.001		mg/L	1	03/01/24	TH	SW6010D
Copper	0.009	0.005		mg/L	1	03/01/24	TH	SW6010D
Iron	0.047	0.010		mg/L	1	03/01/24	TH	SW6010D
Nickel	< 0.001	0.001		mg/L	1	03/01/24	TH	SW6010D
Zinc	0.006	0.004		mg/L	1	03/01/24	TH	SW6010D
Chromium, Hexavalent	< 0.01	0.01		mg/L	1	02/27/24 23:15	GW	SM3500CRB-11
PCB Extraction	Completed					02/28/24	S/S	E608.3
Total Metals Digestion	Completed					02/29/24	AG	SW3010A

Polychlorinated Biphenyls

PCB-1016	ND	0.047	0.047	ug/L	1	02/29/24	AW	E608.3	
PCB-1221	ND	0.047	0.047	ug/L	1	02/29/24	AW	E608.3	
PCB-1232	ND	0.047	0.047	ug/L	1	02/29/24	AW	E608.3	
PCB-1242	ND	0.047	0.047	ug/L	1	02/29/24	AW	E608.3	
PCB-1248	ND	0.047	0.047	ug/L	1	02/29/24	AW	E608.3	
PCB-1254	ND	0.047	0.047	ug/L	1	02/29/24	AW	E608.3	
PCB-1260	ND	0.047	0.047	ug/L	1	02/29/24	AW	E608.3	
PCB-1262	ND	0.047	0.047	ug/L	1	02/29/24	AW	E608.3	1
PCB-1268	ND	0.047	0.047	ug/L	1	02/29/24	AW	E608.3	1

QA/QC Surrogates

% DCBP	50		%	1	02/29/24	AW	30 - 150 %
% DCBP (Confirmation)	57		%	1	02/29/24	AW	30 - 150 %
% TCMX	64		%	1	02/29/24	AW	30 - 150 %
% TCMX (Confirmation)	86		%	1	02/29/24	AW	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	02/28/24	MH	E624.1 As is
Acrolein	ND	5.0	1.0	ug/L	1	02/28/24	MH	E624.1 As is
Acrylonitrile	ND	5.0	0.50	ug/L	1	02/28/24	MH	E624.1 As is
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	02/28/24	MH	E624.1
Carbon disulfide	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
cis-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	02/28/24	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Isopropylbenzene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	02/28/24	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	02/28/24	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Naphthalene	ND	1.0	1.0	ug/L	1	02/28/24	MH	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	02/28/24	MH	E624.1
Tetrachloroethene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	02/28/24	MH	E624.1
Trichloroethene	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	02/28/24	MH	E624.1
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	98			%	1	02/28/24	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	02/28/24	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	02/28/24	MH	70 - 130 %
% Toluene-d8	100			%	1	02/28/24	MH	70 - 130 %

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

Phoenix I.D.: CQ15504

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

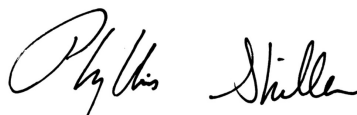
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

QA/QC Surrogates: Surrogates are compounds (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

March 04, 2024

Reviewed and Released by: Anil Makol, Project Manager



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



QA/QC Report

March 04, 2024

QA/QC Data

SDG I.D.: GCQ15504

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 720289 (mg/L), QC Sample No: CQ15505 (CQ15504)													
<u>ICP Metals - Aqueous</u>													
Cadmium	BRL	0.001	<0.001	<0.001	NC	102	98.9	3.1	101			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	101	97.3	3.7	100			80 - 120	20
Copper	BRL	0.005	0.423	0.427	0.90	103	99.1	3.9	105			80 - 120	20
Iron	BRL	0.010	0.135	0.126	6.90	101	97.5	3.5	99.7			80 - 120	20
Nickel	BRL	0.001	0.002	0.001	NC	102	97.6	4.4	101			80 - 120	20
Zinc	BRL	0.004	0.097	0.098	1.00	101	97.4	3.6	99.3			80 - 120	20

Comment:

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



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



QA/QC Report

March 04, 2024

QA/QC Data

SDG I.D.: GCQ15504

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 719985 (mg/L), QC Sample No: CQ15588 (CQ15504)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	93.0			103			90 - 110	20
Comment:													
Additional Hexavalent Chromium criteria: LCS acceptance range for waters is 90-110% and MS acceptance range is 85-115%.													



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



QA/QC Report

March 04, 2024

QA/QC Data

SDG I.D.: GCQ15504

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 720088 (ug/L), QC Sample No: CQ15081 (CQ15504)										
Polychlorinated Biphenyls - Ground Water										
PCB-1016	ND	0.050	97	100	3.0				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	106	99	6.8				30 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	78	%	90	88	2.2				30 - 150	20
% DCBP (Surrogate Rec) (Confirm)	92	%	68	72	5.7				30 - 150	20
% TCMX (Surrogate Rec)	50	%	89	92	3.3				30 - 150	20
% TCMX (Surrogate Rec) (Confirm)	84	%	48	59	20.6				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 720097 (ug/L), QC Sample No: CQ15812 (CQ15504)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	1.0	101	100	1.0	106	102	3.8	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	104	100	3.9	100	107	6.8	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	104	100	3.9	104	103	1.0	71 - 129	20
1,1-Dichloroethane	ND	1.0	98	101	3.0	101	96	5.1	72 - 128	20
1,1-Dichloroethene	ND	1.0	96	96	0.0	94	93	1.1	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	101	102	1.0	99	99	0.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	107	108	0.9	109	109	0.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	101	102	1.0	98	99	1.0	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	102	103	1.0	98	99	1.0	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	100	101	1.0	98	99	1.0	63 - 137	20
2 chlorethyl vinyl ether	ND	1.0	97	94	3.1	93	94	1.1	50 - 150	20
Acrolein	ND	5.0	121	116	4.2	123	118	4.1	50 - 150	20
Acrylonitrile	ND	5.0	95	90	5.4	99	95	4.1	50 - 150	20
Benzene	ND	0.70	98	101	3.0	97	97	0.0	64 - 136	20
Bromodichloromethane	ND	0.50	103	103	0.0	101	101	0.0	65 - 135	20
Bromoform	ND	1.0	108	108	0.0	107	110	2.8	71 - 129	20
Bromomethane	ND	1.0	94	91	3.2	70	76	8.2	40 - 160	20
Carbon Disulfide	ND	1.0	95	94	1.1	93	91	2.2	70 - 130	30
Carbon tetrachloride	ND	1.0	104	104	0.0	106	101	4.8	73 - 127	20
Chlorobenzene	ND	1.0	103	101	2.0	102	101	1.0	66 - 134	20
Chloroethane	ND	1.0	98	95	3.1	96	95	1.0	40 - 160	20
Chloroform	ND	1.0	103	104	1.0	105	101	3.9	67 - 133	20
Chloromethane	ND	1.0	86	87	1.2	87	85	2.3	40 - 160	20

QA/QC Data

SDG I.D.: GCQ15504

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	98	100	2.0	102	97	5.0	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	100	102	2.0	97	95	2.1	40 - 160	20
Dibromochloromethane	ND	0.50	114	112	1.8	111	110	0.9	67 - 133	20
Ethylbenzene	ND	1.0	98	103	5.0	98	99	1.0	59 - 141	20
Isopropylbenzene	ND	1.0	99	103	4.0	97	100	3.0	70 - 130	30
m&p-Xylene	ND	1.0	102	104	1.9	100	101	1.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	102	101	1.0	107	101	5.8	70 - 130	30
Methylene chloride	ND	1.0	95	94	1.1	96	91	5.3	60 - 140	20
Naphthalene	ND	1.0	102	99	3.0	100	104	3.9	70 - 130	30
o-Xylene	ND	1.0	97	100	3.0	97	99	2.0	70 - 130	30
Tetrachloroethene	ND	1.0	100	102	2.0	97	100	3.0	73 - 127	20
Toluene	ND	1.0	99	101	2.0	96	97	1.0	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	102	101	1.0	100	94	6.2	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	101	101	0.0	96	96	0.0	50 - 150	20
Trichloroethene	ND	1.0	100	102	2.0	99	99	0.0	66 - 134	20
Trichlorofluoromethane	ND	1.0	103	101	2.0	101	99	2.0	48 - 152	20
Vinyl chloride	ND	1.0	93	94	1.1	91	88	3.4	40 - 160	20
% 1,2-dichlorobenzene-d4	100	%	101	101	0.0	101	102	1.0	70 - 130	30
% Bromofluorobenzene	97	%	102	102	0.0	103	102	1.0	70 - 130	30
% Dibromofluoromethane	100	%	98	100	2.0	102	99	3.0	70 - 130	30
% Toluene-d8	98	%	102	101	1.0	100	102	2.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

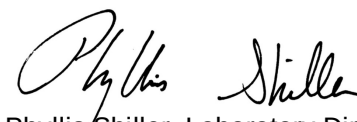
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

March 04, 2024

Monday, March 04, 2024

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCQ15504 - ENVIROTR

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

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



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Analysis Comments

March 04, 2024

SDG I.D.: GCQ15504

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



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NY Temperature Narration

March 04, 2024

SDG I.D.: GCQ15504

The samples in this delivery group were received at 1.8°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

