

June 10, 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: May 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 May 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 May, no alarm calls occurred.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on May 8 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 [32,220 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 =		746 ft ³ /min	
Compound	Annual Mass Emission Limit ¹ (lbs/year)	Carbon Exchange Required Indicator Concentration (µg/m ³) ²	May 2024 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	5.1
Tetrachloroethene	1,000	38,000	4.1
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	4.9

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.

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 May. To date, over 445 million gallons of groundwater have been removed by this system; VOC removal will be calculated in the June monthly report using analytical data from the quarterly groundwater samples collected at the end of June.

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
S. Bogardus, NYSDOH
R. Putnam, NCDOH

Via email to amtamuno@gw.dec.state.ny.us
Via email to sara.bogardus@health.ny.gov
Via email to rputnam@nassaucountyny.gov

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: 8-May
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW

Arrival Time: 12:30
Departure Time: 13:30

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)	74,161.1			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	73,762.1			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	41				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	2				VGAC-1 Influent PID (ppm)	2			
VGAC-1 Influent Vacuum ("H2O)	30				VGAC-1 Effluent PID (ppm)	0			
VGAC-1 Effluent Vacuum ("H2O)	36				VGAC-2 Influent PID (ppm)	2			
VGAC-2 Influent Vacuum ("H2O)	28				VGAC-2 Effluent PID (ppm)	0			
VGAC-2 Effluent Vacuum ("H2O)	30				VGAC-3 Influent PID (ppm)	0			
VGAC-3 Influent Vacuum ("H2O)	42				VGAC-3 Effluent PID (ppm)	0			
VGAC-3 Effluent Vacuum ("H2O)	45				Blower Effluent PID (ppm)	0			
VGAC-3 Influent Temp (degF)					Transfer Pump Total Runtime (hrs)	25,322.1			
Blower Effluent Pressure ("H2O)	8				Condensate Storage Tank Level (gal)	200			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	36	5500	120	1	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	29	3600	79	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	38	3000	65	2	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	44	2500	55	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	30	4000	87	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	34	5200	113	5
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	26	3600	79	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	30	2600	57	0
Air Sparge System									
Compressor 1 Pressure (psi)	16				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	26,077.7				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	165				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	85				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	17				AS Manifold Temperature (degF)	78			
Air Cooler Outlet Pressure (psi)	16				AS Manifold Pressure	15			
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate				Pressure	Flow Rate		
AS-1 (psi)/(cfm)	18	12	AS-11 (psi)/(cfm)		16		11		
AS-2 (psi)/(cfm)	16	8	AS-12B (psi)/(cfm)		16		8		
AS-3 (psi)/(cfm)	15	15	AS-13B (psi)/(cfm)		17		12		
AS-4 (psi)/(cfm)	15	10	AS-14 (psi)/(cfm)		18		9		
AS-5 (psi)/(cfm)	17	10	AS-15 (psi)/(cfm)		17		11		
AS-6 (psi)/(cfm)	18	10	AS-16B (psi)/(cfm)		17		10		
AS-7 (psi)/(cfm)	17	8	AS-17 (psi)/(cfm)		18		9		
AS-8 (psi)/(cfm)	15	13	AS-18 (psi)/(cfm)		15		10		
AS-9 (psi)/(cfm)	19	10	AS-19 (psi)/(cfm)		17		5		
AS-10B (psi)/(cfm)	18	10							

Notes, Comments & Observations:

Collected monthly air samples.

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

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

Date: 8-May
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW

Arrival Time: 12:30
Departure Time: 13:30

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	Y	Oil changed on 4/30/24
-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 4/30/24
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	Y	Oil changed on 1/31/24
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
Air Cooler			
-Inspect	Weekly	Y	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

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

May 15, 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: 24E1687

Enclosed are results of analyses for samples as received by the laboratory on May 11, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
Sample Preparation Information	9
QC Data	10
Air Toxics by EPA Compendium Methods	10
B374398	10
Flag/Qualifier Summary	15
Internal standard Area & RT Summary	16
Continuing Calibration Check	17
Certifications	19
Chain of Custody/Sample Receipt	21

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

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

REPORT DATE: 5/15/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24E1687

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	24E1687-01	Air		- EPA TO-15	
SVE Influent	24E1687-02	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:**

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Tetrahydrofuran**

24E1687-01[SVE Effluent], 24E1687-02[SVE Influent], B374398-BLK1, B374398-BS1, B374398-DUP1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

24E1687-02[SVE Influent]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:**1,2,4-Trichlorobenzene**

24E1687-01[SVE Effluent], 24E1687-02[SVE Influent], B374398-BLK1, B374398-BS1, B374398-DUP1, S104537-CCV1

Naphthalene

24E1687-01[SVE Effluent], 24E1687-02[SVE Influent], B374398-BLK1, B374398-BS1, B374398-DUP1, S104537-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**1,1,2,2-Tetrachloroethane**

B374398-BS1, S104537-CCV1

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

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



Lisa A. Worthington
Technical Representative

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 5/11/2024
Field Sample #: SVE Effluent
Sample ID: 24E1687-01
Sample Matrix: Air
Sampled: 5/8/2024 13:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 2436
Canister Size: 3 liter
Flow Controller ID: 4075
Sample Type: 15 min

Work Order: 24E1687
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -7.0
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	ND	4.0		ND	9.5	2	5/14/24 17:27	KMC	
Benzene	ND	0.10		ND	0.32	2	5/14/24 17:27	KMC	
Benzyl chloride	ND	0.10		ND	0.52	2	5/14/24 17:27	KMC	
Bromodichloromethane	ND	0.10		ND	0.67	2	5/14/24 17:27	KMC	
Bromoform	ND	0.10		ND	1.0	2	5/14/24 17:27	KMC	
Bromomethane	ND	0.10		ND	0.39	2	5/14/24 17:27	KMC	
1,3-Butadiene	ND	0.10		ND	0.22	2	5/14/24 17:27	KMC	
2-Butanone (MEK)	ND	4.0		ND	12	2	5/14/24 17:27	KMC	
Carbon Disulfide	ND	1.0		ND	3.1	2	5/14/24 17:27	KMC	
Carbon Tetrachloride	ND	0.10		ND	0.63	2	5/14/24 17:27	KMC	
Chlorobenzene	ND	0.10		ND	0.46	2	5/14/24 17:27	KMC	
Chloroethane	ND	0.10		ND	0.26	2	5/14/24 17:27	KMC	
Chloroform	ND	0.10		ND	0.49	2	5/14/24 17:27	KMC	
Chloromethane	ND	0.20		ND	0.41	2	5/14/24 17:27	KMC	
Cyclohexane	ND	0.10		ND	0.34	2	5/14/24 17:27	KMC	
Dibromochloromethane	ND	0.10		ND	0.85	2	5/14/24 17:27	KMC	
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	5/14/24 17:27	KMC	
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	5/14/24 17:27	KMC	
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	5/14/24 17:27	KMC	
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	5/14/24 17:27	KMC	
Dichlorodifluoromethane (Freon 12)	0.57	0.10		2.8	0.49	2	5/14/24 17:27	KMC	
1,1-Dichloroethane	ND	0.10		ND	0.40	2	5/14/24 17:27	KMC	
1,2-Dichloroethane	ND	0.10		ND	0.40	2	5/14/24 17:27	KMC	
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	5/14/24 17:27	KMC	
cis-1,2-Dichloroethylene	1.2	0.10		4.9	0.40	2	5/14/24 17:27	KMC	
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	5/14/24 17:27	KMC	
1,2-Dichloropropane	ND	0.10		ND	0.46	2	5/14/24 17:27	KMC	
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	5/14/24 17:27	KMC	
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	5/14/24 17:27	KMC	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.13	0.10		0.89	0.70	2	5/14/24 17:27	KMC	
1,4-Dioxane	ND	1.0		ND	3.6	2	5/14/24 17:27	KMC	
Ethanol	4.2	4.0		8.0	7.5	2	5/14/24 17:27	KMC	
Ethyl Acetate	ND	1.0		ND	3.6	2	5/14/24 17:27	KMC	
Ethylbenzene	ND	0.10		ND	0.43	2	5/14/24 17:27	KMC	
4-Ethyltoluene	ND	0.10		ND	0.49	2	5/14/24 17:27	KMC	
Heptane	ND	0.10		ND	0.41	2	5/14/24 17:27	KMC	
Hexachlorobutadiene	ND	0.10		ND	1.1	2	5/14/24 17:27	KMC	

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
 Date Received: 5/11/2024
Field Sample #: SVE Effluent
Sample ID: 24E1687-01
 Sample Matrix: Air
 Sampled: 5/8/2024 13:32

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2436
 Canister Size: 3 liter
 Flow Controller ID: 4075
 Sample Type: 15 min

Work Order: 24E1687
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -7.0
 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	5/14/24	17:27	KMC
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	5/14/24	17:27	KMC
Isopropanol	ND	4.0		ND	9.8	2	5/14/24	17:27	KMC
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	5/14/24	17:27	KMC
Methylene Chloride	ND	1.0		ND	3.5	2	5/14/24	17:27	KMC
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	5/14/24	17:27	KMC
Naphthalene	ND	0.10	V-05	ND	0.52	2	5/14/24	17:27	KMC
Propene	ND	4.0		ND	6.9	2	5/14/24	17:27	KMC
Styrene	ND	0.10		ND	0.43	2	5/14/24	17:27	KMC
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	5/14/24	17:27	KMC
Tetrachloroethylene	0.76	0.10		5.1	0.68	2	5/14/24	17:27	KMC
Tetrahydrofuran	ND	1.0	L-03	ND	2.9	2	5/14/24	17:27	KMC
Toluene	ND	0.10		ND	0.38	2	5/14/24	17:27	KMC
1,2,4-Trichlorobenzene	ND	0.10	V-05	ND	0.74	2	5/14/24	17:27	KMC
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	5/14/24	17:27	KMC
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	5/14/24	17:27	KMC
Trichloroethylene	0.77	0.10		4.1	0.54	2	5/14/24	17:27	KMC
Trichlorofluoromethane (Freon 11)	1.4	0.40		7.7	2.2	2	5/14/24	17:27	KMC
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	5/14/24	17:27	KMC
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	5/14/24	17:27	KMC
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	5/14/24	17:27	KMC
Vinyl Acetate	ND	2.0		ND	7.0	2	5/14/24	17:27	KMC
Vinyl Chloride	ND	0.10		ND	0.26	2	5/14/24	17:27	KMC
m&p-Xylene	ND	0.20		ND	0.87	2	5/14/24	17:27	KMC
o-Xylene	ND	0.10		ND	0.43	2	5/14/24	17:27	KMC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	81.5	70-130	5/14/24 17:27

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 5/11/2024
Field Sample #: SVE Influent
Sample ID: 24E1687-02
Sample Matrix: Air
Sampled: 5/8/2024 13:37

Sample Description/Location:
Sub Description/Location:
Canister ID: 2380
Canister Size: 3 liter
Flow Controller ID: 4212
Sample Type: 15 min

Work Order: 24E1687
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.9
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	5/14/24 18:25		KMC
Benzene	ND	7.5		ND	24	150	5/14/24 18:25		KMC
Benzyl chloride	ND	7.5		ND	39	150	5/14/24 18:25		KMC
Bromodichloromethane	ND	7.5		ND	50	150	5/14/24 18:25		KMC
Bromoform	ND	7.5		ND	78	150	5/14/24 18:25		KMC
Bromomethane	ND	7.5		ND	29	150	5/14/24 18:25		KMC
1,3-Butadiene	ND	7.5		ND	17	150	5/14/24 18:25		KMC
2-Butanone (MEK)	ND	300		ND	880	150	5/14/24 18:25		KMC
Carbon Disulfide	ND	75		ND	230	150	5/14/24 18:25		KMC
Carbon Tetrachloride	ND	7.5		ND	47	150	5/14/24 18:25		KMC
Chlorobenzene	ND	7.5		ND	35	150	5/14/24 18:25		KMC
Chloroethane	ND	7.5		ND	20	150	5/14/24 18:25		KMC
Chloroform	ND	7.5		ND	37	150	5/14/24 18:25		KMC
Chloromethane	ND	15		ND	31	150	5/14/24 18:25		KMC
Cyclohexane	ND	7.5		ND	26	150	5/14/24 18:25		KMC
Dibromochloromethane	ND	7.5		ND	64	150	5/14/24 18:25		KMC
1,2-Dibromoethane (EDB)	ND	7.5		ND	58	150	5/14/24 18:25		KMC
1,2-Dichlorobenzene	ND	7.5		ND	45	150	5/14/24 18:25		KMC
1,3-Dichlorobenzene	ND	7.5		ND	45	150	5/14/24 18:25		KMC
1,4-Dichlorobenzene	ND	7.5		ND	45	150	5/14/24 18:25		KMC
Dichlorodifluoromethane (Freon 12)	ND	7.5		ND	37	150	5/14/24 18:25		KMC
1,1-Dichloroethane	ND	7.5		ND	30	150	5/14/24 18:25		KMC
1,2-Dichloroethane	ND	7.5		ND	30	150	5/14/24 18:25		KMC
1,1-Dichloroethylene	ND	7.5		ND	30	150	5/14/24 18:25		KMC
cis-1,2-Dichloroethylene	56	7.5		220	30	150	5/14/24 18:25		KMC
trans-1,2-Dichloroethylene	ND	7.5		ND	30	150	5/14/24 18:25		KMC
1,2-Dichloropropane	ND	7.5		ND	35	150	5/14/24 18:25		KMC
cis-1,3-Dichloropropene	ND	7.5		ND	34	150	5/14/24 18:25		KMC
trans-1,3-Dichloropropene	ND	7.5		ND	34	150	5/14/24 18:25		KMC
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	7.5		ND	52	150	5/14/24 18:25		KMC
1,4-Dioxane	ND	75		ND	270	150	5/14/24 18:25		KMC
Ethanol	ND	300		ND	570	150	5/14/24 18:25		KMC
Ethyl Acetate	ND	75		ND	270	150	5/14/24 18:25		KMC
Ethylbenzene	ND	7.5		ND	33	150	5/14/24 18:25		KMC
4-Ethyltoluene	ND	7.5		ND	37	150	5/14/24 18:25		KMC
Heptane	ND	7.5		ND	31	150	5/14/24 18:25		KMC
Hexachlorobutadiene	ND	7.5		ND	80	150	5/14/24 18:25		KMC

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
 Date Received: 5/11/2024
Field Sample #: SVE Influent
Sample ID: 24E1687-02
 Sample Matrix: Air
 Sampled: 5/8/2024 13:37

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2380
 Canister Size: 3 liter
 Flow Controller ID: 4212
 Sample Type: 15 min

Work Order: 24E1687
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -6.9
 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	5/14/24 18:25	KMC
2-Hexanone (MBK)	ND	7.5		ND	31	150	5/14/24 18:25	KMC
Isopropanol	ND	300		ND	740	150	5/14/24 18:25	KMC
Methyl tert-Butyl Ether (MTBE)	ND	7.5		ND	27	150	5/14/24 18:25	KMC
Methylene Chloride	ND	75		ND	260	150	5/14/24 18:25	KMC
4-Methyl-2-pentanone (MIBK)	ND	7.5		ND	31	150	5/14/24 18:25	KMC
Naphthalene	ND	7.5	V-05	ND	39	150	5/14/24 18:25	KMC
Propene	ND	300		ND	520	150	5/14/24 18:25	KMC
Styrene	ND	7.5		ND	32	150	5/14/24 18:25	KMC
1,1,2,2-Tetrachloroethane	ND	7.5		ND	51	150	5/14/24 18:25	KMC
Tetrachloroethylene	4600	7.5		31000	51	150	5/14/24 18:25	KMC
Tetrahydrofuran	ND	75	L-03	ND	220	150	5/14/24 18:25	KMC
Toluene	ND	7.5		ND	28	150	5/14/24 18:25	KMC
1,2,4-Trichlorobenzene	ND	7.5	V-05	ND	56	150	5/14/24 18:25	KMC
1,1,1-Trichloroethane	ND	7.5		ND	41	150	5/14/24 18:25	KMC
1,1,2-Trichloroethane	ND	7.5		ND	41	150	5/14/24 18:25	KMC
Trichloroethylene	200	7.5		1000	40	150	5/14/24 18:25	KMC
Trichlorofluoromethane (Freon 11)	ND	30		ND	170	150	5/14/24 18:25	KMC
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	30		ND	230	150	5/14/24 18:25	KMC
1,2,4-Trimethylbenzene	ND	7.5		ND	37	150	5/14/24 18:25	KMC
1,3,5-Trimethylbenzene	ND	7.5		ND	37	150	5/14/24 18:25	KMC
Vinyl Acetate	ND	150		ND	530	150	5/14/24 18:25	KMC
Vinyl Chloride	ND	7.5		ND	19	150	5/14/24 18:25	KMC
m&p-Xylene	ND	15		ND	65	150	5/14/24 18:25	KMC
o-Xylene	ND	7.5		ND	33	150	5/14/24 18:25	KMC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	79.7	70-130	5/14/24 18:25

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
24E1687-01 [SVE Effluent]	B374398	1.5	1	N/A	1000	200	150	05/14/24
24E1687-02 [SVE Influent]	B374398	1.5	100	10	1000	200	200	05/14/24

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	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	Limit	

Batch B374398 - TO-15 Prep
Blank (B374398-BLK1)

Prepared & Analyzed: 05/14/24

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	0.034
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

V-05

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 B374398 - TO-15 Prep
Blank (B374398-BLK1)

Prepared & Analyzed: 05/14/24

1,1,2,2-Tetrachloroethane	ND	0.034								
Tetrachloroethylene	ND	0.034								
Tetrahydrofuran	ND	0.34								L-03
Toluene	ND	0.034								
1,2,4-Trichlorobenzene	ND	0.034								V-05
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>6.59</i>				<i>8.00</i>		<i>82.4</i>	<i>70-130</i>		
--	-------------	--	--	--	-------------	--	-------------	---------------	--	--

LCS (B374398-BS1)

Prepared & Analyzed: 05/14/24

Acetone	4.03				5.00		80.7	70-130		
Benzene	5.25				5.00		105	70-130		
Benzyl chloride	4.95				5.00		99.0	70-130		
Bromodichloromethane	5.02				5.00		100	70-130		
Bromoform	5.20				5.00		104	70-130		
Bromomethane	5.08				5.00		102	70-130		
1,3-Butadiene	5.06				5.00		101	70-130		
2-Butanone (MEK)	4.24				5.00		84.9	70-130		
Carbon Disulfide	5.18				5.00		104	70-130		
Carbon Tetrachloride	5.01				5.00		100	70-130		
Chlorobenzene	5.27				5.00		105	70-130		
Chloroethane	4.74				5.00		94.9	70-130		
Chloroform	4.98				5.00		99.5	70-130		
Chloromethane	5.11				5.00		102	70-130		
Cyclohexane	4.90				5.00		98.0	70-130		
Dibromochloromethane	5.31				5.00		106	70-130		
1,2-Dibromoethane (EDB)	5.31				5.00		106	70-130		
1,2-Dichlorobenzene	5.01				5.00		100	70-130		
1,3-Dichlorobenzene	5.77				5.00		115	70-130		
1,4-Dichlorobenzene	5.55				5.00		111	70-130		
Dichlorodifluoromethane (Freon 12)	5.03				5.00		101	70-130		
1,1-Dichloroethane	4.68				5.00		93.7	70-130		
1,2-Dichloroethane	5.89				5.00		118	70-130		
1,1-Dichloroethylene	4.90				5.00		98.0	70-130		
cis-1,2-Dichloroethylene	4.85				5.00		97.0	70-130		
trans-1,2-Dichloroethylene	4.62				5.00		92.3	70-130		
1,2-Dichloropropane	5.96				5.00		119	70-130		

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 B374398 - TO-15 Prep										
LCS (B374398-BS1)					Prepared & Analyzed: 05/14/24					
cis-1,3-Dichloropropene	5.42				5.00		108	70-130		
trans-1,3-Dichloropropene	5.15				5.00		103	70-130		
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.83				5.00		96.7	70-130		
1,4-Dioxane	5.23				5.00		105	70-130		
Ethanol	4.81				5.00		96.2	70-130		
Ethyl Acetate	3.89				5.00		77.8	70-130		
Ethylbenzene	5.17				5.00		103	70-130		
4-Ethyltoluene	4.91				5.00		98.2	70-130		
Heptane	5.16				5.00		103	70-130		
Hexachlorobutadiene	4.22				5.00		84.3	70-130		
Hexane	4.03				5.00		80.5	70-130		
2-Hexanone (MBK)	5.27				5.00		105	70-130		
Isopropanol	4.40				5.00		88.1	70-130		
Methyl tert-Butyl Ether (MTBE)	4.49				5.00		89.8	70-130		
Methylene Chloride	4.69				5.00		93.9	70-130		
4-Methyl-2-pentanone (MIBK)	5.50				5.00		110	70-130		
Naphthalene	4.26				5.00		85.2	70-130		V-05
Propene	4.84				5.00		96.8	70-130		
Styrene	5.21				5.00		104	70-130		
1,1,2,2-Tetrachloroethane	6.22				5.00		124	70-130		V-20
Tetrachloroethylene	4.94				5.00		98.8	70-130		
Tetrahydrofuran	3.33				5.00		66.6	* 70-130		L-03
Toluene	5.32				5.00		106	70-130		
1,2,4-Trichlorobenzene	4.34				5.00		86.8	70-130		V-05
1,1,1-Trichloroethane	4.74				5.00		94.9	70-130		
1,1,2-Trichloroethane	5.99				5.00		120	70-130		
Trichloroethylene	4.90				5.00		97.9	70-130		
Trichlorofluoromethane (Freon 11)	4.48				5.00		89.5	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.87				5.00		97.4	70-130		
1,2,4-Trimethylbenzene	5.05				5.00		101	70-130		
1,3,5-Trimethylbenzene	5.24				5.00		105	70-130		
Vinyl Acetate	5.17				5.00		103	70-130		
Vinyl Chloride	5.42				5.00		108	70-130		
m&p-Xylene	11.0				10.0		110	70-130		
o-Xylene	5.43				5.00		109	70-130		
Surrogate: 4-Bromofluorobenzene (1)	7.56				8.00		94.5	70-130		

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	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result		Limits		Limit	
Batch B374398 - TO-15 Prep											
Duplicate (B374398-DUP1)		Source: 24E1687-01				Prepared & Analyzed: 05/14/24					
Acetone	ND	4.0	ND	9.5		ND				25	
Benzene	0.038	0.10	0.12	0.32		ND				25	
Benzyl chloride	ND	0.10	ND	0.52		ND				25	
Bromodichloromethane	ND	0.10	ND	0.67		ND				25	
Bromoform	ND	0.10	ND	1.0		ND				25	
Bromomethane	ND	0.10	ND	0.39		ND				25	
1,3-Butadiene	ND	0.10	ND	0.22		ND				25	
2-Butanone (MEK)	ND	4.0	ND	12		ND				25	
Carbon Disulfide	ND	1.0	ND	3.1		ND				25	
Carbon Tetrachloride	ND	0.10	ND	0.63		ND				25	
Chlorobenzene	ND	0.10	ND	0.46		ND				25	
Chloroethane	ND	0.10	ND	0.26		ND				25	
Chloroform	ND	0.10	ND	0.49		ND				25	
Chloromethane	ND	0.20	ND	0.41		ND				25	
Cyclohexane	ND	0.10	ND	0.34		ND				25	
Dibromochloromethane	ND	0.10	ND	0.85		ND				25	
1,2-Dibromoethane (EDB)	ND	0.10	ND	0.77		ND				25	
1,2-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,3-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,4-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
Dichlorodifluoromethane (Freon 12)	0.61	0.10	3.0	0.49		0.57			5.75	25	
1,1-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,2-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,1-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
cis-1,2-Dichloroethylene	1.3	0.10	5.1	0.40		1.2			3.03	25	
trans-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
1,2-Dichloropropane	ND	0.10	ND	0.46		ND				25	
cis-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
trans-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.12	0.10	0.85	0.70		0.13			4.80	25	
1,4-Dioxane	ND	1.0	ND	3.6		ND				25	
Ethanol	3.9	4.0	7.4	7.5		4.2			8.00	25	
Ethyl Acetate	ND	1.0	ND	3.6		ND				25	
Ethylbenzene	ND	0.10	ND	0.43		ND				25	
4-Ethyltoluene	ND	0.10	ND	0.49		ND				25	
Heptane	ND	0.10	ND	0.41		ND				25	
Hexachlorobutadiene	ND	0.10	ND	1.1		ND				25	
Hexane	ND	4.0	ND	14		ND				25	
2-Hexanone (MBK)	ND	0.10	ND	0.41		ND				25	
Isopropanol	ND	4.0	ND	9.8		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.10	ND	0.36		ND				25	
Methylene Chloride	0.29	1.0	1.0	3.5		0.32			8.47	25	
4-Methyl-2-pentanone (MIBK)	ND	0.10	ND	0.41		ND				25	
Naphthalene	ND	0.10	ND	0.52		ND				25	V-0
Propene	ND	4.0	ND	6.9		ND				25	
Styrene	ND	0.10	ND	0.43		ND				25	

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	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	Limit	
Batch B374398 - TO-15 Prep											
Duplicate (B374398-DUP1)	Source: 24E1687-01				Prepared & Analyzed: 05/14/24						
1,1,2,2-Tetrachloroethane	ND	0.10	ND	0.69		ND				25	
Tetrachloroethylene	0.77	0.10	5.2	0.68		0.76			2.09	25	
Tetrahydrofuran	ND	1.0	ND	2.9		ND				25	L-03
Toluene	0.070	0.10	0.26	0.38		0.086			20.5	25	
1,2,4-Trichlorobenzene	ND	0.10	ND	0.74		ND				25	V-05
1,1,1-Trichloroethane	ND	0.10	ND	0.55		ND				25	
1,1,2-Trichloroethane	ND	0.10	ND	0.55		ND				25	
Trichloroethylene	0.74	0.10	4.0	0.54		0.77			3.98	25	
Trichlorofluoromethane (Freon 11)	1.3	0.40	7.4	2.2		1.4			4.31	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	ND	3.1		ND				25	
1,2,4-Trimethylbenzene	0.062	0.10	0.30	0.49		0.066			6.25	25	
1,3,5-Trimethylbenzene	ND	0.10	ND	0.49		ND				25	
Vinyl Acetate	ND	2.0	ND	7.0		ND				25	
Vinyl Chloride	ND	0.10	ND	0.26		ND				25	
m&p-Xylene	ND	0.20	ND	0.87		ND				25	
o-Xylene	ND	0.10	ND	0.43		ND				25	
Surrogate: 4-Bromofluorobenzene (1)	6.71				8.00		83.9	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.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-11	Elevated reporting limit due to high concentration of target compounds.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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 (S091464-ICV1)			Lab File ID: L23A214020.D			Analyzed: 08/02/23 23:42			
Bromochloromethane (1)	300782	2.867	314027	2.871	96	60 - 140	-0.0040	+/-0.50	
1,4-Difluorobenzene (1)	878479	3.54	895773	3.54	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	823159	5.202	837397	5.202	98	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 (S104537-CCV1)			Lab File ID: L24A135003.D			Analyzed: 05/14/24 09:55			
Bromochloromethane (1)	255461	2.864				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	680167	3.538				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	598727	5.196				60 - 140		+/-0.50	
LCS (B374398-BS1)			Lab File ID: L24A135004.D			Analyzed: 05/14/24 10:21			
Bromochloromethane (1)	258020	2.864	255461	2.864	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	679429	3.538	680167	3.538	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	597845	5.196	598727	5.196	100	60 - 140	0.0000	+/-0.50	
Blank (B374398-BLK1)			Lab File ID: L24A135009.D			Analyzed: 05/14/24 12:40			
Bromochloromethane (1)	251886	2.869	255461	2.864	99	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	581272	3.537	680167	3.538	85	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	533364	5.199	598727	5.196	89	60 - 140	0.0030	+/-0.50	
SVE Effluent (24E1687-01)			Lab File ID: L24A135018.D			Analyzed: 05/14/24 17:27			
Bromochloromethane (1)	234697	2.869	255461	2.864	92	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	515806	3.537	680167	3.538	76	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	489457	5.199	598727	5.196	82	60 - 140	0.0030	+/-0.50	
Duplicate (B374398-DUP1)			Lab File ID: L24A135019.D			Analyzed: 05/14/24 17:56			
Bromochloromethane (1)	231853	2.869	255461	2.864	91	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	523551	3.537	680167	3.538	77	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	476030	5.199	598727	5.196	80	60 - 140	0.0030	+/-0.50	
SVE Influent (24E1687-02)			Lab File ID: L24A135020.D			Analyzed: 05/14/24 18:25			
Bromochloromethane (1)	232388	2.864	255461	2.864	91	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	513559	3.537	680167	3.538	76	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	495822	5.194	598727	5.196	83	60 - 140	-0.0020	+/-0.50	

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S104537-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.44	1.122255	0.9973562		-11.1	30
Benzene	A	5.00	5.72	0.7254293	0.8306242		14.5	30
Benzyl chloride	A	5.00	4.85	0.65192	0.6328333		-2.9	30
Bromodichloromethane	A	5.00	5.54	0.5567047	0.6163522		10.7	30
Bromoform	A	5.00	5.34	0.4926101	0.5266373		6.9	30
Bromomethane	A	5.00	5.50	0.6308676	0.6933035		9.9	30
1,3-Butadiene	A	5.00	5.43	0.551149	0.5983724		8.6	30
2-Butanone (MEK)	A	5.00	4.44	1.381604	1.227309		-11.2	30
Carbon Disulfide	A	5.00	5.40	2.063757	2.227878		8.0	30
Carbon Tetrachloride	A	5.00	4.62	0.5110368	0.4721735		-7.6	30
Chlorobenzene	A	5.00	5.55	0.7219812	0.8018132		11.1	30
Chloroethane	A	5.00	5.19	0.411751	0.4273372		3.8	30
Chloroform	A	5.00	5.36	1.439332	1.541552		7.1	30
Chloromethane	A	5.00	5.52	0.6101459	0.6732049		10.3	30
Cyclohexane	A	5.00	5.00	0.3030286	0.3029421		-0.03	30
Dibromochloromethane	A	5.00	5.55	0.5644122	0.6269408		11.1	30
1,2-Dibromoethane (EDB)	A	5.00	5.62	0.5076449	0.5706962		12.4	30
1,2-Dichlorobenzene	A	5.00	5.04	0.6234765	0.6280579		0.7	30
1,3-Dichlorobenzene	A	5.00	5.58	0.6267236	0.6989282		11.5	30
1,4-Dichlorobenzene	A	5.00	5.71	0.5801365	0.6627742		14.2	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.46	1.768079	1.931799		9.3	30
1,1-Dichloroethane	A	5.00	5.08	1.392824	1.416269		1.7	30
1,2-Dichloroethane	A	5.00	4.57	0.9772927	0.8940386		-8.5	30
1,1-Dichloroethylene	A	5.00	5.32	1.127187	1.199951		6.5	30
cis-1,2-Dichloroethylene	A	5.00	5.11	0.908952	0.9281479		2.1	30
trans-1,2-Dichloroethylene	A	5.00	4.84	1.128232	1.092275		-3.2	30
1,2-Dichloropropane	A	5.00	6.20	0.2601948	0.3227419		24.0	30
cis-1,3-Dichloropropene	A	5.00	6.01	0.3962271	0.4763371		20.2	30
trans-1,3-Dichloropropene	A	5.00	5.02	0.3522842	0.3540425		0.5	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	5.73	1.784687	2.046133		14.6	30
1,4-Dioxane	A	5.00	5.14	0.1742852	0.1789796		2.7	30
Ethanol	A	5.00	5.20	0.1732414	0.1800228		3.9	30
Ethyl Acetate	A	5.00	4.35	0.2390169	0.2079942		-13.0	30
Ethylbenzene	A	5.00	5.56	1.176902	1.308189		11.2	30
4-Ethyltoluene	A	5.00	5.04	1.247069	1.257147		0.8	30
Heptane	A	5.00	5.79	0.2286847	0.2647279		15.8	30
Hexachlorobutadiene	A	5.00	3.82	0.4755616	0.363844		-23.5	30
Hexane	A	5.00	4.31	0.7442178	0.642152		-13.7	30

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S104537-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.61	0.5993899	0.6730306		12.3	30
Isopropanol	A	5.00	4.76	1.180699	1.123879		-4.8	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.78	2.130891	2.036056		-4.5	30
Methylene Chloride	A	5.00	4.96	0.8716214	0.8647269		-0.8	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.91	0.2414371	0.2855863		18.3	30
Naphthalene	A	5.00	3.37	0.954618	0.6435093		-32.6	30 *
Propene	A	5.00	5.40	0.4075236	0.4398323		7.9	30
Styrene	A	5.00	5.53	0.6680173	0.7387407		10.6	30
1,1,2,2-Tetrachloroethane	A	5.00	6.54	0.6838293	0.8944043		30.8	30 *
Tetrachloroethylene	A	5.00	5.31	0.4174566	0.4432952		6.2	30
Tetrahydrofuran	A	5.00	3.89	0.9111963	0.7091869		-22.2	30
Toluene	A	5.00	5.66	0.9385805	1.06247		13.2	30
1,2,4-Trichlorobenzene	A	5.00	3.27	0.3693275	0.2418037		-34.5	30 *
1,1,1-Trichloroethane	A	5.00	5.31	0.5075792	0.5389594		6.2	30
1,1,2-Trichloroethane	A	5.00	6.48	0.309655	0.4015667		29.7	30
Trichloroethylene	A	5.00	5.36	0.3356598	0.3596058		7.1	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.85	1.816743	1.763544		-2.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	5.18	1.436582	1.489236		3.7	30
1,2,4-Trimethylbenzene	A	5.00	5.17	1.021302	1.056375		3.4	30
1,3,5-Trimethylbenzene	A	5.00	5.34	1.055296	1.126275		6.7	30
Vinyl Acetate	A	5.00	5.48	1.463541	1.603526		9.6	30
Vinyl Chloride	A	5.00	5.78	0.7105757	0.8207656		15.5	30
m&p-Xylene	A	10.0	11.4	0.9711506	1.11042		14.3	30
o-Xylene	A	5.00	5.58	0.9550518	1.066219		11.6	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	04/1/2025
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 ENVYOTRAC
 Project FROST ST 001
 MCP/RCP Required _____
 Deliverable Package Requirement _____
 Location Westbury, NY
 PWSID# (When Applicable) _____
 Arrival Method CURIER
 Received By / Date / Time KUC 5/11/24 0909
 Back-Sheet By / Date / Time KMC 5/13/24 0915
 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	5	10	15	Regs #'s	5	10	15
1 2436	6	11	16	1 4075	6	11	16
2 2380	7	12	17	2 4212	7	12	17
3	8	13	18	3	8	13	18
4	9	14	19	4	9	14	19
Unused Media	4	9	14	Pufs/TO-17's	5	10	15
1	5	10	15	1	6	11	16
2	6	11	16	2	7	12	17
3	7	12	17	3	8	13	18
4	8	13	18	4	9	14	19