ENSAFE
creative thinking. custom solutions. ®

May 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: April 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 April 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 April, one alarm occurred on April 17 that required an onsite visit to address. Two additional alarms occurred on April 24 and 30, but the conditions self-corrected and the system restarted automatically each time. The alarm that required an onsite visit was due to the SVE blower and AS claw pump being stopped due to frequency alarm on the blower soft starter. The soft starter was restarted and the system resumed operation.

- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on April 11 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 continue to indicate significant mass extraction. Influent analytical data is not available for April; the sample failed. May O&M activities will include collection of the influent vapor sample by alternate means.

  — 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/m³)[2]**	**April 2024 Effluent Concentration (µg/m³)**
Trichloroethene	500	19,000	ND
Tetrachloroethene	1,000	38,000	ND
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene[3]	100	3,800	3.88

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 April. To date, over 440 million gallons of groundwater have been removed by this system; VOC removal will be calculated in the June monthly report using analytical ata 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 M. J. Stark

Alexandra Stark, P.E.

Attachments

Copies: A. Tamuno, Esq., NYSDEC *Via email to amtamuno@gw.dec.state.ny.us*
S. Bogardus, NYSDOH *Via email to sara.bogardus@health.ny.gov*
R. Putnam, NCDOH *Via email to rputnam@nassaucountyny.gov*

J. Vazquez, U.S. EPA	*Via email to vazquez.julio@epa.gov*
T. Pupilla, Sanders Equities	*Via email to tpupilla@sandersequities.com*
J. Privitera, Esq., WOH	*Via email to jprivitera@woh.com*
T. Ruane, WOH	*Via email to truane@woh.com*
P. Coop, EnSafe	*Via email to pcoop@ensafe.com*
J. Wilkinson, Envirotrac	*Via email to jamesw@envirotrac.com*

Appendix A
AS/SVE System Operation and Maintenance Logs

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

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

Date: 11-Apr
Weather / Temp: Cloudy / 55 DEG
Technician / Operator: JW

Arrival Time: 10:00
Departure Time: 11:30

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

Soil Vapor Extraction System				
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4200	825	Blower 1 Total Runtime (hrs)	73,843.0
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	73,440.0
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Blower Inlet Vacuum ("H2O)	56		Blower 2 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3.5		VGAC-1 Influent PID (ppm)	1
VGAC-1 Influent Vacuum ("H2O)	46		VGAC-1 Effluent PID (ppm)	0
VGAC-1 Effluent Vacuum ("H2O)	50		VGAC-2 Influent PID (ppm)	1
VGAC-2 Influent Vacuum ("H2O)	48		VGAC-2 Effluent PID (ppm)	0
VGAC-2 Effluent Vacuum ("H2O)	48		VGAC-3 Influent PID (ppm)	0
VGAC-3 Influent Pressure ("H2O)	5		VGAC-3 Effluent PID (ppm)	0
VGAC-3 Effluent Pressure ("H2O)	2		Blower Effluent PID (ppm)	0
VGAC-3 Influent Temp (DegF)	130		Transfer Pump Total Runtime (hrs)	25,322.1
Blower Effluent Pressure ("H2O)	15		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)	50	7000	153	0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	42	4200	92	0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	52	4000	87	1	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	52	3300	72	0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	42	5200	113	0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	46	6500	142	5
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	40	4000	87	0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	44	3000	65	0

Air Sparge System			
Compressor 1 Pressure (psi)	15	Compressor 2 Pressure (psi)	Off
Compressor 1 Runtime (hrs)	25,437.2	Compressor 2 Temperature (degF)	Off
Air Cooler Inlet Temperature (degF)	148	Compressor 2 Regulator Pressure (psi)	Off
Air Cooler Outlet Temperature (degF)	70	Compressor 2 Runtime (hrs)	40,734
Air Cooler Inlet Pressure (psi)	18	AS Manifold Temperature (degF)	70
Air Cooler Outlet Pressure (psi)	18	AS Manifold Pressure	17

AS Manifold Legs - Pressure/Flow Rate						
	Pressure	Flow Rate		Pressure	Flow Rate
AS-1 (psi)/(cfm)	19	13	AS-11 (psi)/(cfm)	17	14
AS-2 (psi)/(cfm)	18	10	AS-12B (psi)/(cfm)	18	10
AS-3 (psi)/(cfm)	15	18	AS-13B (psi)/(cfm)	17	13
AS-4 (psi)/(cfm)	16	10	AS-14 (psi)/(cfm)	16	10
AS-5 (psi)/(cfm)	18	10	AS-15 (psi)/(cfm)	17	11
AS-6 (psi)/(cfm)	19	10	AS-16B (psi)/(cfm)	16	11
AS-7 (psi)/(cfm)	16	8	AS-17 (psi)/(cfm)	18	9
AS-8 (psi)/(cfm)	17	13	AS-18 (psi)/(cfm)	16	9
AS-9 (psi)/(cfm)	19	10	AS-19 (psi)/(cfm)	17	5
AS-10B (psi)/(cfm)	16	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: 11-Apr
Weather / Temp: Cloudy / 55 DEG
Technician / Operator: JW

Arrival Time: 10:00
Departure Time: 11:30

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	

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

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

Date: 30-Apr
Weather / Temp: Cloudy / 50 DEG
Technician / Operator: JW

Arrival Time: 9:45
Departure Time: 11:30

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)	74,063.2
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	73,666.1
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Blower Inlet Vacuum ("H2O)	43		Blower 2 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3		VGAC-1 Influent PID (ppm)	1
VGAC-1 Influent Vacuum ("H2O)	30		VGAC-1 Effluent PID (ppm)	0
VGAC-1 Effluent Vacuum ("H2O)	32		VGAC-2 Influent PID (ppm)	1
VGAC-2 Influent Vacuum ("H2O)	26		VGAC-2 Effluent PID (ppm)	0
VGAC-2 Effluent Vacuum ("H2O)	30		VGAC-3 Influent PID (ppm)	0
VGAC-3 Influent Vacuum ("H2O)	40		VGAC-3 Effluent PID (ppm)	0
VGAC-3 Effluent Vacuum ("H2O)	43		Blower Effluent PID (ppm)	0
VGAC-3 Influent Temp (DegF)			Transfer Pump Total Runtime (hrs)	25,322.1
Blower Effluent Pressure ("H2O)	6		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)	40	6500	142		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	35	3500	76	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	42	3100	68		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	45	2500	55	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	34	4000	87		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	5500	120	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	34	3700	81		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	38	2500	55	

Air Sparge System

Compressor 1 Pressure (psi)	21	Compressor 2 Pressure (psi)	Off
Compressor 1 Runtime (hrs)	25,883.7	Compressor 2 Temperature (degF)	Off
Air Cooler Inlet Temperature (degF)	105	Compressor 2 Regulator Pressure (psi)	Off
Air Cooler Outlet Temperature (degF)	75	Compressor 2 Runtime (hrs)	40,734
Air Cooler Inlet Pressure (psi)	21	AS Manifold Temperature (degF)	74
Air Cooler Outlet Pressure (psi)	20	AS Manifold Pressure	18

AS Manifold Legs - Pressure/Flow Rate

	Pressure	Flow Rate		Pressure	Flow Rate
AS-1 (psi)/(cfm)	21	8	AS-11 (psi)/(cfm)	20	15
AS-2 (psi)/(cfm)	20	10	AS-12B (psi)/(cfm)	20	5
AS-3 (psi)/(cfm)	16	15	AS-13B (psi)/(cfm)	18	13
AS-4 (psi)/(cfm)	18	10	AS-14 (psi)/(cfm)	20	7
AS-5 (psi)/(cfm)	20	16	AS-15 (psi)/(cfm)	19	14
AS-6 (psi)/(cfm)	20	11	AS-16B (psi)/(cfm)	18	8
AS-7 (psi)/(cfm)	20	10	AS-17 (psi)/(cfm)	20	6
AS-8 (psi)/(cfm)	18	12	AS-18 (psi)/(cfm)	17	12
AS-9 (psi)/(cfm)	20	12	AS-19 (psi)/(cfm)	17	8
AS-10B (psi)/(cfm)	18	10			

Notes, Comments & Observations:

Performed semi-annual SVE blower maintenance.

Switched VGAC-3 to vacuum side of blowers.

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: 30-Apr
Weather / Temp: Cloudy / 50 DEG
Technician / Operator: JW

Arrival Time: 9:45
Departure Time: 11:30

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	

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

Alarm Date	Site Visit Date	Personnel	ALARM DESCRIPTION	Corrective Action	SVE Status Upon Departure	AS Status Upon Departure
4/17/2024	4/18/2024	JW	SVE blower and AS claw pump stopped due to AO4 frequency alarm on blower B-1 soft starter.	Reset soft start and restarted system.	ON	ON

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

con-test®
A Pace Analytical® Laboratory

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

April 17, 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: 24D1686

Enclosed are results of analyses for samples as received by the laboratory on April 13, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kaitlyn A. Feliciano
Project Manager

Table of Contents

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: 4/17/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24D1686

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	24D1686-01	Soil Gas		EPA TO-15	
SVE Influent	24D1686-02	Soil Gas		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:

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:

Tetrahydrofuran
24D1686-01[SVE Effluent], 24D1686-02[SVE Influent], B371729-BLK1, B371729-BS1, S103248-CCV1

V-06

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

Analyte & Samples(s) Qualified:

1,1,2,2-Tetrachloroethane
B371729-BS1, S103248-CCV1

1,1,2-Trichloroethane
B371729-BS1, S103248-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

con-test®
A Pace Analytical® Laboratory

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 4/13/2024
Field Sample #: SVE Effluent
Sample ID: 24D1686-01
Sample Matrix: Soil Gas
Sampled: 4/11/2024 10:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 1511
Canister Size: 3 liter
Flow Controller ID: 4196
Sample Type: 15 min

Work Order: 24D1686
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	4.4	4.0		11	9.5	2	4/15/24 23:06	KMC
Benzene	0.16	0.10		0.52	0.32	2	4/15/24 23:06	KMC
Benzyl chloride	ND	0.10		ND	0.52	2	4/15/24 23:06	KMC
Bromodichloromethane	ND	0.10		ND	0.67	2	4/15/24 23:06	KMC
Bromoform	ND	0.10		ND	1.0	2	4/15/24 23:06	KMC
Bromomethane	ND	0.10		ND	0.39	2	4/15/24 23:06	KMC
1,3-Butadiene	ND	0.10		ND	0.22	2	4/15/24 23:06	KMC
2-Butanone (MEK)	ND	4.0		ND	12	2	4/15/24 23:06	KMC
Carbon Disulfide	ND	1.0		ND	3.1	2	4/15/24 23:06	KMC
Carbon Tetrachloride	ND	0.10		ND	0.63	2	4/15/24 23:06	KMC
Chlorobenzene	ND	0.10		ND	0.46	2	4/15/24 23:06	KMC
Chloroethane	ND	0.10		ND	0.26	2	4/15/24 23:06	KMC
Chloroform	ND	0.10		ND	0.49	2	4/15/24 23:06	KMC
Chloromethane	0.21	0.20		0.43	0.41	2	4/15/24 23:06	KMC
Cyclohexane	ND	0.10		ND	0.34	2	4/15/24 23:06	KMC
Dibromochloromethane	ND	0.10		ND	0.85	2	4/15/24 23:06	KMC
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	4/15/24 23:06	KMC
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	4/15/24 23:06	KMC
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	4/15/24 23:06	KMC
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	4/15/24 23:06	KMC
Dichlorodifluoromethane (Freon 12)	0.66	0.10		3.3	0.49	2	4/15/24 23:06	KMC
1,1-Dichloroethane	ND	0.10		ND	0.40	2	4/15/24 23:06	KMC
1,2-Dichloroethane	ND	0.10		ND	0.40	2	4/15/24 23:06	KMC
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	4/15/24 23:06	KMC
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	4/15/24 23:06	KMC
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	4/15/24 23:06	KMC
1,2-Dichloropropane	ND	0.10		ND	0.46	2	4/15/24 23:06	KMC
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	4/15/24 23:06	KMC
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	4/15/24 23:06	KMC
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	4/15/24 23:06	KMC
1,4-Dioxane	ND	1.0		ND	3.6	2	4/15/24 23:06	KMC
Ethanol	9.1	4.0		17	7.5	2	4/15/24 23:06	KMC
Ethyl Acetate	ND	1.0		ND	3.6	2	4/15/24 23:06	KMC
Ethylbenzene	ND	0.10		ND	0.43	2	4/15/24 23:06	KMC
4-Ethyltoluene	ND	0.10		ND	0.49	2	4/15/24 23:06	KMC
Heptane	ND	0.10		ND	0.41	2	4/15/24 23:06	KMC
Hexachlorobutadiene	ND	0.10		ND	1.1	2	4/15/24 23:06	KMC

con-test®
A Pace Analytical® Laboratory

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 4/13/2024
Field Sample #: SVE Effluent
Sample ID: 24D1686-01
Sample Matrix: Soil Gas
Sampled: 4/11/2024 10:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 1511
Canister Size: 3 liter
Flow Controller ID: 4196
Sample Type: 15 min

Work Order: 24D1686
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.0
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Hexane	ND	4.0		ND	14	2	4/15/24 23:06	KMC
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	4/15/24 23:06	KMC
Isopropanol	ND	4.0		ND	9.8	2	4/15/24 23:06	KMC
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	4/15/24 23:06	KMC
Methylene Chloride	ND	1.0		ND	3.5	2	4/15/24 23:06	KMC
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	4/15/24 23:06	KMC
Naphthalene	ND	0.10		ND	0.52	2	4/15/24 23:06	KMC
Propene	ND	4.0		ND	6.9	2	4/15/24 23:06	KMC
Styrene	ND	0.10		ND	0.43	2	4/15/24 23:06	KMC
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	4/15/24 23:06	KMC
Tetrachloroethylene	0.73	0.10		5.0	0.68	2	4/15/24 23:06	KMC
Tetrahydrofuran	ND	1.0	V-05	ND	2.9	2	4/15/24 23:06	KMC
Toluene	0.16	0.10		0.60	0.38	2	4/15/24 23:06	KMC
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	4/15/24 23:06	KMC
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	4/15/24 23:06	KMC
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	4/15/24 23:06	KMC
Trichloroethylene	ND	0.10		ND	0.54	2	4/15/24 23:06	KMC
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	4/15/24 23:06	KMC
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	4/15/24 23:06	KMC
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	4/15/24 23:06	KMC
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	4/15/24 23:06	KMC
Vinyl Acetate	ND	2.0		ND	7.0	2	4/15/24 23:06	KMC
Vinyl Chloride	ND	0.10		ND	0.26	2	4/15/24 23:06	KMC
m&p-Xylene	ND	0.20		ND	0.87	2	4/15/24 23:06	KMC
o-Xylene	ND	0.10		ND	0.43	2	4/15/24 23:06	KMC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	86.8	70-130	4/15/24 23:06

con-test®
A Pace Analytical® Laboratory

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 4/13/2024
Field Sample #: SVE Influent
Sample ID: 24D1686-02
Sample Matrix: Soil Gas
Sampled: 4/11/2024 10:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 2588
Canister Size: 3 liter
Flow Controller ID: 4365
Sample Type: 15 min

Work Order: 24D1686
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	14	4.0		33	9.5	2	4/15/24 23:34	KMC
Benzene	0.13	0.10		0.42	0.32	2	4/15/24 23:34	KMC
Benzyl chloride	ND	0.10		ND	0.52	2	4/15/24 23:34	KMC
Bromodichloromethane	ND	0.10		ND	0.67	2	4/15/24 23:34	KMC
Bromoform	ND	0.10		ND	1.0	2	4/15/24 23:34	KMC
Bromomethane	ND	0.10		ND	0.39	2	4/15/24 23:34	KMC
1,3-Butadiene	ND	0.10		ND	0.22	2	4/15/24 23:34	KMC
2-Butanone (MEK)	ND	4.0		ND	12	2	4/15/24 23:34	KMC
Carbon Disulfide	ND	1.0		ND	3.1	2	4/15/24 23:34	KMC
Carbon Tetrachloride	ND	0.10		ND	0.63	2	4/15/24 23:34	KMC
Chlorobenzene	ND	0.10		ND	0.46	2	4/15/24 23:34	KMC
Chloroethane	ND	0.10		ND	0.26	2	4/15/24 23:34	KMC
Chloroform	ND	0.10		ND	0.49	2	4/15/24 23:34	KMC
Chloromethane	0.69	0.20		1.4	0.41	2	4/15/24 23:34	KMC
Cyclohexane	ND	0.10		ND	0.34	2	4/15/24 23:34	KMC
Dibromochloromethane	ND	0.10		ND	0.85	2	4/15/24 23:34	KMC
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	4/15/24 23:34	KMC
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	4/15/24 23:34	KMC
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	4/15/24 23:34	KMC
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	4/15/24 23:34	KMC
Dichlorodifluoromethane (Freon 12)	0.54	0.10		2.7	0.49	2	4/15/24 23:34	KMC
1,1-Dichloroethane	ND	0.10		ND	0.40	2	4/15/24 23:34	KMC
1,2-Dichloroethane	ND	0.10		ND	0.40	2	4/15/24 23:34	KMC
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	4/15/24 23:34	KMC
cis-1,2-Dichloroethylene	0.33	0.10		1.3	0.40	2	4/15/24 23:34	KMC
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	4/15/24 23:34	KMC
1,2-Dichloropropane	ND	0.10		ND	0.46	2	4/15/24 23:34	KMC
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	4/15/24 23:34	KMC
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	4/15/24 23:34	KMC
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	4/15/24 23:34	KMC
1,4-Dioxane	ND	1.0		ND	3.6	2	4/15/24 23:34	KMC
Ethanol	21	4.0		40	7.5	2	4/15/24 23:34	KMC
Ethyl Acetate	ND	1.0		ND	3.6	2	4/15/24 23:34	KMC
Ethylbenzene	ND	0.10		ND	0.43	2	4/15/24 23:34	KMC
4-Ethyltoluene	ND	0.10		ND	0.49	2	4/15/24 23:34	KMC
Heptane	ND	0.10		ND	0.41	2	4/15/24 23:34	KMC
Hexachlorobutadiene	ND	0.10		ND	1.1	2	4/15/24 23:34	KMC

con-test®
A Pace Analytical® Laboratory

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

ANALYTICAL RESULTS

Project Location: Westbury, NY
Date Received: 4/13/2024
Field Sample #: SVE Influent
Sample ID: 24D1686-02
Sample Matrix: Soil Gas
Sampled: 4/11/2024 10:34

Sample Description/Location:
Sub Description/Location:
Canister ID: 2588
Canister Size: 3 liter
Flow Controller ID: 4365
Sample Type: 15 min

Work Order: 24D1686
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag/Qual	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	4.0		ND	14	2	4/15/24 23:34	KMC
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	4/15/24 23:34	KMC
Isopropanol	ND	4.0		ND	9.8	2	4/15/24 23:34	KMC
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	4/15/24 23:34	KMC
Methylene Chloride	ND	1.0		ND	3.5	2	4/15/24 23:34	KMC
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	4/15/24 23:34	KMC
Naphthalene	ND	0.10		ND	0.52	2	4/15/24 23:34	KMC
Propene	ND	4.0		ND	6.9	2	4/15/24 23:34	KMC
Styrene	ND	0.10		ND	0.43	2	4/15/24 23:34	KMC
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	4/15/24 23:34	KMC
Tetrachloroethylene	0.14	0.10		0.94	0.68	2	4/15/24 23:34	KMC
Tetrahydrofuran	5.5	1.0	V-05	16	2.9	2	4/15/24 23:34	KMC
Toluene	0.44	0.10		1.7	0.38	2	4/15/24 23:34	KMC
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	4/15/24 23:34	KMC
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	4/15/24 23:34	KMC
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	4/15/24 23:34	KMC
Trichloroethylene	ND	0.10		ND	0.54	2	4/15/24 23:34	KMC
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	4/15/24 23:34	KMC
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	4/15/24 23:34	KMC
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	4/15/24 23:34	KMC
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	4/15/24 23:34	KMC
Vinyl Acetate	ND	2.0		ND	7.0	2	4/15/24 23:34	KMC
Vinyl Chloride	ND	0.10		ND	0.26	2	4/15/24 23:34	KMC
m&p-Xylene	ND	0.20		ND	0.87	2	4/15/24 23:34	KMC
o-Xylene	ND	0.10		ND	0.43	2	4/15/24 23:34	KMC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	88.2	70-130	4/15/24 23:34

con-test®
A Pace Analytical® Laboratory

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
24D1686-01 [SVE Effluent]	B371729	1.5	1	N/A	1000	200	150	04/15/24
24D1686-02 [SVE Influent]	B371729	1.5	1	N/A	1000	200	150	04/15/24

con-test®
A Pace Analytical® Laboratory

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 Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B371729 - TO-15 Prep											
Blank (B371729-BLK1)					Prepared & Analyzed: 04/15/24						
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									

con-test®
A Pace Analytical® Laboratory

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 Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B371729 - TO-15 Prep											
Blank (B371729-BLK1)					Prepared & Analyzed: 04/15/24						
1,1,2,2-Tetrachloroethane	ND	0.034									
Tetrachloroethylene	ND	0.034									
Tetrahydrofuran	ND	0.34									V-05
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									
Surrogate: 4-Bromofluorobenzene (1)	*6.92*				*8.00*		*86.5*	*70-130*			
LCS (B371729-BS1)					Prepared & Analyzed: 04/15/24						
Acetone	4.08				5.00		81.6	70-130			
Benzene	5.32				5.00		106	70-130			
Benzyl chloride	5.07				5.00		101	70-130			
Bromodichloromethane	4.99				5.00		99.8	70-130			
Bromoform	5.13				5.00		103	70-130			
Bromomethane	5.16				5.00		103	70-130			
1,3-Butadiene	4.80				5.00		96.0	70-130			
2-Butanone (MEK)	4.58				5.00		91.5	70-130			
Carbon Disulfide	5.39				5.00		108	70-130			
Carbon Tetrachloride	5.03				5.00		101	70-130			
Chlorobenzene	5.41				5.00		108	70-130			
Chloroethane	4.75				5.00		94.9	70-130			
Chloroform	5.32				5.00		106	70-130			
Chloromethane	4.71				5.00		94.1	70-130			
Cyclohexane	4.92				5.00		98.4	70-130			
Dibromochloromethane	5.42				5.00		108	70-130			
1,2-Dibromoethane (EDB)	5.46				5.00		109	70-130			
1,2-Dichlorobenzene	5.28				5.00		106	70-130			
1,3-Dichlorobenzene	5.95				5.00		119	70-130			
1,4-Dichlorobenzene	5.82				5.00		116	70-130			
Dichlorodifluoromethane (Freon 12)	5.06				5.00		101	70-130			
1,1-Dichloroethane	4.56				5.00		91.2	70-130			
1,2-Dichloroethane	4.35				5.00		87.0	70-130			
1,1-Dichloroethylene	4.88				5.00		97.6	70-130			
cis-1,2-Dichloroethylene	5.03				5.00		101	70-130			
trans-1,2-Dichloroethylene	4.48				5.00		89.6	70-130			
1,2-Dichloropropane	5.87				5.00		117	70-130			

con-test®
A Pace Analytical® Laboratory

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 Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B371729 - TO-15 Prep											
LCS (B371729-BS1)					Prepared & Analyzed: 04/15/24						
cis-1,3-Dichloropropene	5.42				5.00		108	70-130			
trans-1,3-Dichloropropene	5.09				5.00		102	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.94				5.00		98.8	70-130			
1,4-Dioxane	6.41				5.00		128	70-130			
Ethanol	5.60				5.00		112	70-130			
Ethyl Acetate	4.23				5.00		84.6	70-130			
Ethylbenzene	5.22				5.00		104	70-130			
4-Ethyltoluene	5.12				5.00		102	70-130			
Heptane	5.20				5.00		104	70-130			
Hexachlorobutadiene	4.42				5.00		88.4	70-130			
Hexane	4.16				5.00		83.2	70-130			
2-Hexanone (MBK)	5.83				5.00		117	70-130			
Isopropanol	4.67				5.00		93.4	70-130			
Methyl tert-Butyl Ether (MTBE)	4.37				5.00		87.3	70-130			
Methylene Chloride	4.50				5.00		90.0	70-130			
4-Methyl-2-pentanone (MIBK)	5.80				5.00		116	70-130			
Naphthalene	5.46				5.00		109	70-130			
Propene	5.51				5.00		110	70-130			
Styrene	5.38				5.00		108	70-130			
1,1,2,2-Tetrachloroethane	6.26				5.00		125	70-130			V-06
Tetrachloroethylene	5.14				5.00		103	70-130			
Tetrahydrofuran	3.56				5.00		71.2	70-130			V-05
Toluene	5.30				5.00		106	70-130			
1,2,4-Trichlorobenzene	4.63				5.00		92.5	70-130			
1,1,1-Trichloroethane	4.72				5.00		94.3	70-130			
1,1,2-Trichloroethane	5.90				5.00		118	70-130			V-06
Trichloroethylene	4.94				5.00		98.9	70-130			
Trichlorofluoromethane (Freon 11)	4.70				5.00		94.0	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.95				5.00		99.0	70-130			
1,2,4-Trimethylbenzene	5.13				5.00		103	70-130			
1,3,5-Trimethylbenzene	5.29				5.00		106	70-130			
Vinyl Acetate	5.63				5.00		113	70-130			
Vinyl Chloride	5.28				5.00		106	70-130			
m&p-Xylene	10.9				10.0		109	70-130			
o-Xylene	5.46				5.00		109	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.62*				*8.00*		*95.3*	*70-130*			

con-test®
A Pace Analytical® Laboratory

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.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

con-test® A Pace Analytical® Laboratory

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 (S103248-CCV1)			Lab File ID: L24A106003.D			Analyzed: 04/15/24 09:39			
Bromochloromethane (1)	228584	2.869				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	640045	3.538				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	569255	5.196				60 - 140		+/-0.50	
LCS (B371729-BS1)			Lab File ID: L24A106004.D			Analyzed: 04/15/24 10:05			
Bromochloromethane (1)	226218	2.864	228584	2.869	99	60 - 140	-0.0050	+/-0.50	
1,4-Difluorobenzene (1)	645860	3.537	640045	3.538	101	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	572361	5.196	569255	5.196	101	60 - 140	0.0000	+/-0.50	
Blank (B371729-BLK1)			Lab File ID: L24A106007.D			Analyzed: 04/15/24 11:31			
Bromochloromethane (1)	222336	2.869	228584	2.869	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	568843	3.537	640045	3.538	89	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	523645	5.198	569255	5.196	92	60 - 140	0.0020	+/-0.50	
SVE Effluent (24D1686-01)			Lab File ID: L24A106029.D			Analyzed: 04/15/24 23:06			
Bromochloromethane (1)	208627	2.869	228584	2.869	91	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	533430	3.537	640045	3.538	83	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	497348	5.199	569255	5.196	87	60 - 140	0.0030	+/-0.50	
SVE Influent (24D1686-02)			Lab File ID: L24A106030.D			Analyzed: 04/15/24 23:34			
Bromochloromethane (1)	205532	2.868	228584	2.869	90	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	519971	3.537	640045	3.538	81	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	480372	5.194	569255	5.196	84	60 - 140	-0.0020	+/-0.50	

con-test®
A Pace Analytical® Laboratory

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S103248-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.06	1.122255	0.9103629		-18.9	30
Benzene	A	5.00	5.72	0.7254293	0.8305691		14.5	30
Benzyl chloride	A	5.00	5.34	0.65192	0.6962841		6.8	30
Bromodichloromethane	A	5.00	5.62	0.5567047	0.6253085		12.3	30
Bromoform	A	5.00	5.84	0.4926101	0.5753485		16.8	30
Bromomethane	A	5.00	5.41	0.6308676	0.6828334		8.2	30
1,3-Butadiene	A	5.00	5.19	0.551149	0.5721905		3.8	30
2-Butanone (MEK)	A	5.00	4.59	1.381604	1.26819		-8.2	30
Carbon Disulfide	A	5.00	5.53	2.063757	2.281818		10.6	30
Carbon Tetrachloride	A	5.00	5.45	0.5110368	0.5566309		8.9	30
Chlorobenzene	A	5.00	5.78	0.7219812	0.8350788		15.7	30
Chloroethane	A	5.00	5.10	0.411751	0.4201659		2.0	30
Chloroform	A	5.00	5.68	1.439332	1.635187		13.6	30
Chloromethane	A	5.00	5.31	0.6101459	0.6480524		6.2	30
Cyclohexane	A	5.00	5.08	0.3030286	0.3079183		1.6	30
Dibromochloromethane	A	5.00	5.85	0.5644122	0.6601358		17.0	30
1,2-Dibromoethane (EDB)	A	5.00	5.92	0.5076449	0.6006897		18.3	30
1,2-Dichlorobenzene	A	5.00	5.47	0.6234765	0.6824527		9.5	30
1,3-Dichlorobenzene	A	5.00	6.16	0.6267236	0.771605		23.1	30
1,4-Dichlorobenzene	A	5.00	6.03	0.5801365	0.7000111		20.7	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.44	1.768079	1.921912		8.7	30
1,1-Dichloroethane	A	5.00	4.83	1.392824	1.346502		-3.3	30
1,2-Dichloroethane	A	5.00	4.80	0.9772927	0.9391173		-3.9	30
1,1-Dichloroethylene	A	5.00	5.17	1.127187	1.165583		3.4	30
cis-1,2-Dichloroethylene	A	5.00	5.38	0.908952	0.9785532		7.7	30
trans-1,2-Dichloroethylene	A	5.00	4.70	1.128232	1.059567		-6.1	30
1,2-Dichloropropane	A	5.00	6.22	0.2601948	0.3237722		24.4	30
cis-1,3-Dichloropropene	A	5.00	6.20	0.3962271	0.4917304		24.1	30
trans-1,3-Dichloropropene	A	5.00	4.99	0.3522842	0.3517578		-0.1	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.52	1.784687	1.969181		10.3	30
1,4-Dioxane	A	5.00	5.38	0.1742852	0.1875843		7.6	30
Ethanol	A	5.00	4.82	0.1732414	0.1668358		-3.7	30
Ethyl Acetate	A	5.00	4.46	0.2390169	0.2133623		-10.7	30
Ethylbenzene	A	5.00	5.70	1.176902	1.341689		14.0	30
4-Ethyltoluene	A	5.00	5.39	1.247069	1.344073		7.8	30
Heptane	A	5.00	5.55	0.2286847	0.2536922		10.9	30
Hexachlorobutadiene	A	5.00	4.34	0.4755616	0.4128821		-13.2	30
Hexane	A	5.00	4.24	0.7442178	0.6306303		-15.3	30

con-test®
A Pace Analytical® Laboratory

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

CONTINUING CALIBRATION CHECK

EPA TO-15

S103248-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Hexanone (MBK)	A	5.00	5.39	0.5993899	0.645998		7.8	30	
Isopropanol	A	5.00	4.76	1.180699	1.123354		-4.9	30	
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.57	2.130891	1.949141		-8.5	30	
Methylene Chloride	A	5.00	4.70	0.8716214	0.819004		-6.0	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	5.82	0.2414371	0.2808328		16.3	30	
Naphthalene	A	5.00	4.56	0.954618	0.8714295		-8.7	30	
Propene	A	5.00	5.75	0.4075236	0.4688972		15.1	30	
Styrene	A	5.00	5.68	0.6680173	0.7583919		13.5	30	
1,1,2,2-Tetrachloroethane	A	5.00	6.87	0.6838293	0.9389817		37.3	30	*
Tetrachloroethylene	A	5.00	5.53	0.4174566	0.4617741		10.6	30	
Tetrahydrofuran	A	5.00	3.23	0.9111963	0.5886676		-35.4	30	*
Toluene	A	5.00	5.63	0.9385805	1.057022		12.6	30	
1,2,4-Trichlorobenzene	A	5.00	4.14	0.3693275	0.3061517		-17.1	30	
1,1,1-Trichloroethane	A	5.00	5.26	0.5075792	0.5336775		5.1	30	
1,1,2-Trichloroethane	A	5.00	6.57	0.309655	0.4067267		31.3	30	*
Trichloroethylene	A	5.00	5.46	0.3356598	0.3665942		9.2	30	
Trichlorofluoromethane (Freon 11)	A	5.00	5.07	1.816743	1.843104		1.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.31	1.436582	1.525118		6.2	30	
1,2,4-Trimethylbenzene	A	5.00	5.62	1.021302	1.147664		12.4	30	
1,3,5-Trimethylbenzene	A	5.00	5.69	1.055296	1.201084		13.8	30	
Vinyl Acetate	A	5.00	6.37	1.463541	1.864795		27.4	30	
Vinyl Chloride	A	5.00	5.49	0.7105757	0.7801281		9.8	30	
m&p-Xylene	A	10.0	11.7	0.9711506	1.136607		17.0	30	
o-Xylene	A	5.00	5.85	0.9550518	1.116831		16.9	30	

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

* Values outside of QC limits

con-test®
A Pace Analytical® Laboratory

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
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
EPA TO-15 in Air	
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

Pace Analytical®

24D1686

Phone: 413-525-2332
Fax: 413-525-6405
www.pacelabs.com

http://www.pacelabs.com DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	EnviroTrac
Address:	5 old Dock Rd, Yaphank, NY
Phone:	(631) 924-3001
Project Name:	FROST ST OU1
Project Location:	WESTBURY, NY
Project Number:	
Project Manager:	JIM WILKINSON
Pace Quote Name/Number:	
Invoice Recipient:	JIM WILKINSON
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: jamesw@envirotrac.com
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume					" Hg			Summa Can ID	Flow Controller ID
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☐ Liters ☐ m³	SI-TO-15				Initial Pressure	Final Pressure	Lab Receipt Pressure		
01	SVE EFFLUENT	10:15	10:29	13		SG		1				29	5	-5.0		
02	SVE INFLUENT	10:19	10:34	15		SG		1				30	6	-5.1	2588	4365

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Comments: Both samples collected on 4/11/24

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

	Date/Time:
Relinquished by: (signature)	4/11 12:30
Received by: (signature) Pace Analytical	4.12.24 0855
Relinquished by: (signature)	4.12.24 1400
Received by: (signature)	4/12/24 1644
Relinquished by: (signature)	4/12/24
Received by: (signature)	4/12/24 2045

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Pace Analytical®
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

4/13/24 0850 Conn Maul

Wicky 2345 AAL 4/13/24 07:00 Rel. AAL 4/13/24 08:50

Table of Contents

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

Log In Back-Sheet

Client ENVIROTRAC

Project FROST ST OUI

MCP/RCP Required

Deliverable Package Requirement

Location WESTBURY, NY

PWSID# (When Applicable)

Arrival Method Courier

Received By / Date / Time KMC 4/13/24 0856

Back-Sheet By / Date / Time KMC 4/15/24 0905

Temperature Method ☐ #

Temp ≤ 6° 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														
1	1511	5		10		15		Regs #'s	5		10		15	
2	2588	6		11		16		1 4196	6		11		16	
3		7		12		17		2 4365	7		12		17	
4		8		13		18		3	8		13		18	
Unused Media		9		14		19		4	9		14		19	
1		4		9		14		Pufs/TO-17's	5		10		15	
2		5		10		15		1	6		11		16	
3		6		11		16		2	7		12		17	
4		7		12		17		3	8		13		18	
		8		13		18		4	9		14		19	

Qualtrax ID: 127034

Page 1 of 1