

May 10, 2021

Ms. Kerry Maloney, P.G.
NYSDEC, Division of Environmental Remediation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7015

Via email: Kerry.maloney@dec.ny.gov

Re: Progress Report: April 2021
Frost Street Sites: Site ID#s 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Ms. Maloney:

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 2021 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).
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on April 16, using Summa canisters. These samples were obtained by EnviroTrac, submitted to Phoenix Environmental Laboratories, and analyzed by Method TO-15. Results are included in Appendix B.
 - Photoionization detector (PID) readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, and cis-1,2-dichloroethene [21,499 µg/m³]) continue to indicate significant mass extraction.
 - Effluent concentrations are below the carbon exchange indicator concentrations, as shown below.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800 ft ³ /min	
Compound	Annual Mass Emission Limit ¹ (lbs/year)	Carbon Exchange Required Indicator Concentration (µg/m ³) ²	April 2021 Effluent Concentration (µg/m ³)
Trichloroethene	500	19,000	ND
Tetrachloroethene	1,000	38,000	0.71
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ³	100	3,800	ND

Notes:

ft/min cubic feet per minute

lbs/year pounds per year

µg/m³ micrograms per cubic meter

- 1 Source of Mass Emission Limit: Part 212-2.2 Table 2 — High Toxicity Air Contaminant List
- 2 These limits were calculated based on Frost Street-specific system operations (i.e., flow rate) in order to remain below the annual HTAC emissions listed in Part 212-2.2 Table 2. Remaining below these concentrations ensures that annual emissions will not exceed the limit which demonstrates compliance with Part 212 without having to perform compound-specific analyses.
- 3 Cis-1,2-dichloroethene is not a listed HTAC, so the default is 100 lbs/year.

Groundwater Extraction System – Operable Unit 2

The pumps in EX-1A, EX-1B, EX-1C, and EX-1D operated near design flow rates (30, 30, 48, and 48 gallons per minute, respectively) for all of April except for:

- EX-1B did not operate from March 23 to April 20; the EX-1B pump was replaced on April 20.
- The system was not operational from April 28 to May 3 due to a software error. The error was fixed on May 3 and the system resumed operation.

EnSafe collected and prepared the additional information requested by NYSDEC on February 21, 2019, (additional pressure transducer data and groundwater elevation maps) to facilitate review and comment on the *Expanded Pumping Test Summary, Findings, and Recommendations*, submitted on August 10, 2018. This information was transmitted to NYSDEC on March 22, 2019.

Groundwater Monitoring

The first quarter 2021 groundwater monitoring report was submitted to NYSDEC on April 15.

If you have any questions or require additional information, please do not hesitate to contact me at 860-665-1140 or astark@ensafe.com.

Sincerely,

EnSafe, Inc., by



Alexandra Stark, P.E.

Attachments

Copies:	A. Tamuno, Esq., NYSDEC	<i>Via email to amtamuno@gw.dec.state.ny.us</i>
	C. Bethoney, NYSDOH	<i>Via email to charlotte.bethoney@health.ny.gov</i>
	J. Nealon, NYSDOH	<i>Via email to jacquelyn.nealon@health.ny.gov</i>
	R. Putnam, NCDOH	<i>Via email to rputnam@nassaucountyny.gov</i>
	J. Vasquez, U.S. EPA	<i>Via email to vazquez.julio@epa.gov</i>
	T. Pupilla, Sanders Equities	<i>Via email to tpupilla@sandersequities.com</i>
	K. Maldonado, Esq.	<i>Via email to kevinmaldonado64@yahoo.com</i>
	J. Privitera, Esq.	<i>Via email to jprivitera@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
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: 16-Apr
Weather / Temp: Cloudy / 50 DEG
Technician / Operator: JW

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

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	ON		ON		AS Compressor 1 (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	OFF		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)	4200		825		Blower 1 Total Runtime (hrs)	61,233.3			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	61,441.8			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Blower Inlet Vacuum ("H2O)	62				Blower 2 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	4				VGAC-1 Influent PID (ppm)	5.0			
VGAC-1 Influent Vacuum ("H2O)	52				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-1 Effluent Vacuum ("H2O)	58				VGAC-2 Influent PID (ppm)	5.0			
VGAC-2 Influent Vacuum ("H2O)	50				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-2 Effluent Vacuum ("H2O)	52				VGAC-3 Influent PID (ppm)	0.0			
VGAC-3 Influent Pressure ("H2O)	6				VGAC-3 Effluent PID (ppm)	0.0			
VGAC-3 Effluent Prerssure ("H2O)	2				Blower Effluent PID (ppm)	0.0			
VGAC-3 Influent Temp (DegF)	140				Transfer Pump Total Runtime (hrs)	25,044.8			
Blower Effluent Pressure ("H2O)	15				Condensate Storage Tank Level (gal)	0			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	52	8000	175	6.0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	44	4700	103	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	54	4500	98	10.0	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	45	3000	65	2.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	46	5100	111	1.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	44	6700	146	22.0
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	45	4300	94	1.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	46	3200	70	0.0
Air Sparge System									
Compressor 1 Pressure (psi)	13.5				Compressor 2 Pressure (psi)	Off			
Compressor 1 Runtime (hrs)	1,218.1				Compressor 2 Temperature (degF)	Off			
Air Cooler Inlet Temperature (degF)	195				Compressor 2 Regulator Pressure (psi)	Off			
Air Cooler Outlet Temperature (degF)	62				Compressor 2 Runtime (hrs)	40,734			
Air Cooler Inlet Pressure (psi)	16				AS Manifold Temperature (degF)	55			
Air Cooler Outlet Pressure (psi)	14				AS Manifold Pressure	13			
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate		Pressure	Flow Rate				
AS-1 (psi)/(cfm)	12	15	AS-11 (psi)/(cfm)	16	4				
AS-2 (psi)/(cfm)	7	15	AS-12B (psi)/(cfm)	17	10				
AS-3 (psi)/(cfm)	14	10	AS-13B (psi)/(cfm)	15	10				
AS-4 (psi)/(cfm)	14	4	AS-14 (psi)/(cfm)	17	10				
AS-5 (psi)/(cfm)	17	17	AS-15 (psi)/(cfm)	15	10				
AS-6 (psi)/(cfm)	17	10	AS-16B (psi)/(cfm)	15	10				
AS-7 (psi)/(cfm)	17	7	AS-17 (psi)/(cfm)	16	8				
AS-8 (psi)/(cfm)	16	10	AS-18 (psi)/(cfm)	16	8				
AS-9 (psi)/(cfm)	17	14	AS-19 (psi)/(cfm)	15	5				
AS-10B (psi)/(cfm)	15	12							

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: 16-Apr
Weather / Temp: Cloudy / 50 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	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	29.9 A
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	Y	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	Y	27.0 A
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Filters	Weekly	Y	
-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



Friday, April 23, 2021

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

Project ID: ENSAFE-WESTBURY
SDG ID: GCI11598
Sample ID#s: CI11598 - CI11599

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

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

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

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

Sincerely yours,

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

Phyllis Shiller

Laboratory Director

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

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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



Sample Id Cross Reference

April 23, 2021

SDG I.D.: GCI11598

Project ID: ENSAFE-WESTBURY

Client Id	Lab Id	Matrix
SVE EFFLUENT	CI11598	AIR
SVE INFLUENT	CI11599	AIR



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



Analysis Report

April 23, 2021

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

Sample Information

Matrix: AIR
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:
Canister Id: 820

Custody Information

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

Date

04/16/21 10:46
04/20/21 14:25

Time

Project ID: ENSAFE-WESTBURY
Client ID: SVE EFFLUENT

Laboratory Data

SDG ID: GCI11598
Phoenix ID: CI11598

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	04/20/21	KCA	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	04/20/21	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	04/20/21	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	04/20/21	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	04/20/21	KCA	1
1,1-Dichloroethene	ND	0.051	ND	0.20	04/20/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	04/20/21	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	04/20/21	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	04/20/21	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	04/20/21	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	04/20/21	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	04/20/21	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	04/20/21	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	04/20/21	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	04/20/21	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	04/20/21	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	04/20/21	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	04/20/21	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	04/20/21	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	04/20/21	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	04/20/21	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	04/20/21	KCA	1
Acetone	2.52	0.421	5.98	1.00	04/20/21	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	04/20/21	KCA	1
Benzene	ND	0.313	ND	1.00	04/20/21	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	04/20/21	KCA	1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.149	ND	1.00	04/20/21	KCA	1	
Bromoform	ND	0.097	ND	1.00	04/20/21	KCA	1	
Bromomethane	ND	0.258	ND	1.00	04/20/21	KCA	1	
Carbon Disulfide	ND	0.321	ND	1.00	04/20/21	KCA	1	
Carbon Tetrachloride	ND	0.032	ND	0.20	04/20/21	KCA	1	
Chlorobenzene	ND	0.217	ND	1.00	04/20/21	KCA	1	
Chloroethane	ND	0.379	ND	1.00	04/20/21	KCA	1	
Chloroform	ND	0.205	ND	1.00	04/20/21	KCA	1	
Chloromethane	ND	0.485	ND	1.00	04/20/21	KCA	1	
Cis-1,2-Dichloroethene	ND	0.051	ND	0.20	04/20/21	KCA	1	
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	04/20/21	KCA	1	
Cyclohexane	ND	0.291	ND	1.00	04/20/21	KCA	1	
Dibromochloromethane	ND	0.118	ND	1.00	04/20/21	KCA	1	
Dichlorodifluoromethane	0.437	0.202	2.16	1.00	04/20/21	KCA	1	
Ethanol	76.3	E 0.531	144	1.00	04/20/21	KCA	1	1
Ethyl acetate	ND	0.278	ND	1.00	04/20/21	KCA	1	1
Ethylbenzene	ND	0.230	ND	1.00	04/20/21	KCA	1	
Heptane	ND	0.244	ND	1.00	04/20/21	KCA	1	
Hexachlorobutadiene	ND	0.094	ND	1.00	04/20/21	KCA	1	
Hexane	ND	0.284	ND	1.00	04/20/21	KCA	1	
Isopropylalcohol	1.08	0.407	2.65	1.00	04/20/21	KCA	1	
Isopropylbenzene	0.304	0.204	1.49	1.00	04/20/21	KCA	1	
m,p-Xylene	ND	0.230	ND	1.00	04/20/21	KCA	1	
Methyl Ethyl Ketone	1.24	0.339	3.65	1.00	04/20/21	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	04/20/21	KCA	1	
Methylene Chloride	ND	0.864	ND	3.00	04/20/21	KCA	1	
n-Butylbenzene	ND	0.182	ND	1.00	04/20/21	KCA	1	1
o-Xylene	ND	0.230	ND	1.00	04/20/21	KCA	1	
Propylene	ND	0.581	ND	1.00	04/20/21	KCA	1	1
sec-Butylbenzene	ND	0.182	ND	1.00	04/20/21	KCA	1	1
Styrene	ND	0.235	ND	1.00	04/20/21	KCA	1	
Tetrachloroethene	0.105	0.037	0.71	0.25	04/20/21	KCA	1	
Tetrahydrofuran	ND	0.339	ND	1.00	04/20/21	KCA	1	1
Toluene	ND	0.266	ND	1.00	04/20/21	KCA	1	
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	04/20/21	KCA	1	
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	04/20/21	KCA	1	
Trichloroethene	ND	0.037	ND	0.20	04/20/21	KCA	1	
Trichlorofluoromethane	0.349	0.178	1.96	1.00	04/20/21	KCA	1	
Trichlorotrifluoroethane	ND	0.131	ND	1.00	04/20/21	KCA	1	
Vinyl Chloride	ND	0.078	ND	0.20	04/20/21	KCA	1	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene	98	%	98	%	04/20/21	KCA	1	
% IS-1,4-Difluorobenzene	90	%	90	%	04/20/21	KCA	1	
% IS-Bromochloromethane	93	%	93	%	04/20/21	KCA	1	
% IS-Chlorobenzene-d5	92	%	92	%	04/20/21	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

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



Phyllis Shiller, Laboratory Director

April 23, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



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



Analysis Report

April 23, 2021

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

Sample Information

Matrix: AIR
Location Code: ENVIOTR
Rush Request: Standard
P.O.#:
Canister Id: 809

Custody Information

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

Date

04/16/21 10:51
04/20/21 14:25

Time

Project ID: ENSAFE-WESTBURY
Client ID: SVE INFLUENT

Laboratory Data

SDG ID: GCI11598
Phoenix ID: CI11599

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	10.9	ND	74.8	04/22/21	KCA	75
1,1,1-Trichloroethane	ND	13.8	ND	75.2	04/22/21	KCA	75
1,1,2,2-Tetrachloroethane	ND	10.9	ND	74.8	04/22/21	KCA	75
1,1,2-Trichloroethane	ND	13.8	ND	75.2	04/22/21	KCA	75
1,1-Dichloroethane	ND	18.5	ND	74.8	04/22/21	KCA	75
1,1-Dichloroethene	ND	3.79	ND	15.0	04/22/21	KCA	75
1,2,4-Trichlorobenzene	ND	10.1	ND	74.9	04/22/21	KCA	75
1,2,4-Trimethylbenzene	ND	15.3	ND	75.2	04/22/21	KCA	75
1,2-Dibromoethane(EDB)	ND	9.77	ND	75.0	04/22/21	KCA	75
1,2-Dichlorobenzene	ND	12.5	ND	75.1	04/22/21	KCA	75
1,2-Dichloroethane	ND	18.5	ND	74.8	04/22/21	KCA	75
1,2-dichloropropane	ND	16.2	ND	74.8	04/22/21	KCA	75
1,2-Dichlorotetrafluoroethane	ND	10.7	ND	74.8	04/22/21	KCA	75
1,3,5-Trimethylbenzene	ND	15.3	ND	75.2	04/22/21	KCA	75
1,3-Butadiene	ND	33.9	ND	74.9	04/22/21	KCA	75
1,3-Dichlorobenzene	ND	12.5	ND	75.1	04/22/21	KCA	75
1,4-Dichlorobenzene	ND	12.5	ND	75.1	04/22/21	KCA	75
1,4-Dioxane	ND	20.8	ND	74.9	04/22/21	KCA	75
2-Hexanone(MBK)	ND	18.3	ND	74.9	04/22/21	KCA	75
4-Ethyltoluene	ND	15.3	ND	75.2	04/22/21	KCA	75
4-Isopropyltoluene	ND	13.7	ND	75.2	04/22/21	KCA	75
4-Methyl-2-pentanone(MIBK)	ND	18.3	ND	74.9	04/22/21	KCA	75
Acetone	ND	31.6	ND	75.0	04/22/21	KCA	75
Acrylonitrile	ND	34.6	ND	75.0	04/22/21	KCA	75
Benzene	ND	23.5	ND	75.0	04/22/21	KCA	75
Benzyl chloride	ND	14.5	ND	75.0	04/22/21	KCA	75

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	11.2	ND	75.0	04/22/21	KCA	75
Bromoform	ND	7.26	ND	75.0	04/22/21	KCA	75
Bromomethane	ND	19.3	ND	74.9	04/22/21	KCA	75
Carbon Disulfide	ND	24.1	ND	75.0	04/22/21	KCA	75
Carbon Tetrachloride	ND	2.39	ND	15.0	04/22/21	KCA	75
Chlorobenzene	ND	16.3	ND	75.0	04/22/21	KCA	75
Chloroethane	ND	28.4	ND	74.9	04/22/21	KCA	75
Chloroform	ND	15.4	ND	75.1	04/22/21	KCA	75
Chloromethane	ND	36.3	ND	74.9	04/22/21	KCA	75
Cis-1,2-Dichloroethene	116	3.79	460	15.0	04/22/21	KCA	75
cis-1,3-Dichloropropene	ND	16.5	ND	74.8	04/22/21	KCA	75
Cyclohexane	ND	21.8	ND	75.0	04/22/21	KCA	75
Dibromochloromethane	ND	8.81	ND	75.0	04/22/21	KCA	75
Dichlorodifluoromethane	ND	15.2	ND	75.1	04/22/21	KCA	75
Ethanol	56.0	39.8	105	74.9	04/22/21	KCA	75
Ethyl acetate	ND	20.8	ND	74.9	04/22/21	KCA	75
Ethylbenzene	ND	17.3	ND	75.1	04/22/21	KCA	75
Heptane	ND	18.3	ND	75.0	04/22/21	KCA	75
Hexachlorobutadiene	ND	7.04	ND	75.0	04/22/21	KCA	75
Hexane	ND	21.3	ND	75.0	04/22/21	KCA	75
Isopropylalcohol	ND	30.5	ND	74.9	04/22/21	KCA	75
Isopropylbenzene	ND	15.3	ND	75.2	04/22/21	KCA	75
m,p-Xylene	ND	17.3	ND	75.1	04/22/21	KCA	75
Methyl Ethyl Ketone	ND	25.4	ND	74.9	04/22/21	KCA	75
Methyl tert-butyl ether(MTBE)	ND	20.8	ND	74.9	04/22/21	KCA	75
Methylene Chloride	ND	64.8	ND	225	04/22/21	KCA	75
n-Butylbenzene	ND	13.7	ND	75.2	04/22/21	KCA	75
o-Xylene	ND	17.3	ND	75.1	04/22/21	KCA	75
Propylene	ND	43.6	ND	75.0	04/22/21	KCA	75
sec-Butylbenzene	ND	13.7	ND	75.2	04/22/21	KCA	75
Styrene	ND	17.6	ND	74.9	04/22/21	KCA	75
Tetrachloroethene	2960	2.77	20100	18.8	04/22/21	KCA	75
Tetrahydrofuran	ND	25.4	ND	74.9	04/22/21	KCA	75
Toluene	ND	19.9	ND	74.9	04/22/21	KCA	75
Trans-1,2-Dichloroethene	ND	18.9	ND	74.9	04/22/21	KCA	75
trans-1,3-Dichloropropene	ND	16.5	ND	74.8	04/22/21	KCA	75
Trichloroethene	173	2.79	929	15.0	04/22/21	KCA	75
Trichlorofluoromethane	ND	13.4	ND	75.2	04/22/21	KCA	75
Trichlorotrifluoroethane	ND	9.79	ND	75.0	04/22/21	KCA	75
Vinyl Chloride	ND	5.87	ND	15.0	04/22/21	KCA	75
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene (10x)	95	%	95	%	04/20/21	KCA	10
% IS-1,4-Difluorobenzene (10x)	91	%	91	%	04/20/21	KCA	10
% IS-Bromochloromethane (10x)	93	%	93	%	04/20/21	KCA	10
% IS-Chlorobenzene-d5 (10x)	90	%	90	%	04/20/21	KCA	10
% Bromofluorobenzene (75x)	99	%	99	%	04/22/21	KCA	75
% IS-1,4-Difluorobenzene (75x)	91	%	91	%	04/22/21	KCA	75
% IS-Bromochloromethane (75x)	93	%	93	%	04/22/21	KCA	75
% IS-Chlorobenzene-d5 (75x)	92	%	92	%	04/22/21	KCA	75

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Elevated reporting limits have been reported due to the presence of reported target compounds in the TO15 list above the calibration. Sample was run at an initial dilution.

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



Phyllis Shiller, Laboratory Director

April 23, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



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



Canister Sampling Information

April 23, 2021

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

Location Code: ENVIOTR

SDG I.D.: GCI11598

Project ID: ENSAFE-WESTBURY

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SVE EFFLUENT	CI11598	820	1.4L		04/13/21	-30	-3		B SAM				04/16/21 10:45	04/16/21 10:46
SVE INFLUENT	CI11599	809	1.4L		04/13/21	-30	-6		B SAM				04/16/21 10:50	04/16/21 10:51



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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QA/QC Report

April 23, 2021

QA/QC Data

SDG I.D.: GCI11598

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 571921 (ppbv), QC Sample No: CI11598 (CI11598, CI11599 (10X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	106	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	110	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	109	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	111	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	102	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	124	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	112	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	113	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	122	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	110	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	112	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	113	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	114	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	120	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	121	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	118	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	96	5.98	6.46	2.52	2.72	7.6	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	109	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	111	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	127	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	114	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	119	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	100	2.16	1.97	0.437	0.398	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	132	144 E	156	76.3 E	83.0	8.4	70 - 130	25

QA/QC Data

SDG I.D.: GC111598

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	0.280	ND	1.01	127	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	116	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	120	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	111	2.65	2.73	1.08	1.11	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	116	1.49	1.56	0.304	0.318	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	113	3.65	3.83	1.24	1.30	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	116	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	99	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	119	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	121	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	115	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	121	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	107	0.71	0.68	0.105	0.100	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	113	ND	ND	ND	ND	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	113	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	113	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	110	1.96	1.99	0.349	0.355	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	112	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	97	%	97	%	102	98	100	98	100	NC	70 - 130	25
% IS-1,4-Difluorobenzene	106	%	106	%	109	90	85	90	85	NC	60 - 140	25
% IS-Bromochloromethane	107	%	107	%	110	93	87	93	87	NC	60 - 140	25
% IS-Chlorobenzene-d5	106	%	106	%	110	92	87	92	87	NC	60 - 140	25

QA/QC Batch 572354 (ppbv), QC Sample No: C113561 (C111599 (75X))

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.038	ND	0.26	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.250	ND	1.36	102	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.010	ND	0.07	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.010	ND	0.05	104	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.075	ND	0.30	103	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.010	ND	0.04	103	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.027	ND	0.20	124	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.250	ND	1.23	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.010	ND	0.08	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.050	ND	0.30	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.010	ND	0.04	101	0.07	0.07	0.017	0.017	NC	70 - 130	25
1,2-dichloropropane	ND	0.010	ND	0.05	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.250	ND	1.75	102	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.250	ND	1.23	103	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.250	ND	0.55	97	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.050	ND	0.30	106	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.040	ND	0.24	106	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.065	ND	0.23	103	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.250	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.250	ND	1.23	105	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.250	ND	1.37	105	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCI11598

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
4-Methyl-2-pentanone(MIBK)	ND	0.250	ND	1.02	104	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.375	ND	0.89	91	ND	ND	ND	ND	NC	70 - 130	25
Acrylonitrile	ND	0.250	ND	0.54	104	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.100	ND	0.32	102	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.250	ND	1.29	98	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.010	ND	0.07	104	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.075	ND	0.77	118	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.070	ND	0.27	99	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.250	ND	0.78	100	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.043	ND	0.27	103	0.43	0.44	0.068	0.070	NC	70 - 130	25
Chlorobenzene	ND	0.100	ND	0.46	105	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.250	ND	0.66	96	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.100	ND	0.49	99	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.250	ND	0.52	107	0.94	0.98	0.454	0.474	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.100	ND	0.40	102	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.050	ND	0.23	109	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.250	ND	0.86	99	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.010	ND	0.09	109	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.250	ND	1.24	95	1.30	ND	0.263	ND	NC	70 - 130	25
Ethanol	ND	0.375	ND	0.71	128	360 E	375	191 E	199	4.1	70 - 130	25
Ethyl acetate	ND	0.250	ND	0.90	117	1.67	ND	0.464	ND	NC	70 - 130	25
Ethylbenzene	ND	0.250	ND	1.08	104	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.250	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.010	ND	0.11	111	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.225	ND	0.79	105	208	219	59.0	62.1	5.1	70 - 130	25
Isopropylalcohol	ND	0.375	ND	0.92	106	339 E	341	138 E	139	0.7	70 - 130	25
Isopropylbenzene	ND	0.250	ND	1.23	102	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.500	ND	2.17	107	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.225	ND	0.66	100	0.94	0.95	0.318	0.322	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.250	ND	0.90	101	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	1.50	ND	5.21	88	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.250	ND	1.37	107	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.250	ND	1.08	104	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.250	ND	0.43	100	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.250	ND	1.37	102	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.100	ND	0.43	107	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.050	ND	0.34	105	1.00	0.43	0.148	0.063	NC	70 - 130	25
Tetrahydrofuran	ND	0.250	ND	0.74	96	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.250	ND	0.94	105	1.18	1.16	0.313	0.309	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.100	ND	0.40	103	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.250	ND	1.13	102	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.025	ND	0.13	107	1.30	1.25	0.242	0.232	4.2	70 - 130	25
Trichlorofluoromethane	ND	0.250	ND	1.40	101	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.250	ND	1.91	102	22.7	23.8	2.97	3.11	4.6	70 - 130	25
Vinyl Chloride	ND	0.010	ND	0.03	101	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	99	%	99	%	101	98	99	98	99	NC	70 - 130	25
% IS-1,4-Difluorobenzene	97	%	97	%	99	108	109	108	109	NC	60 - 140	25
% IS-Bromochloromethane	97	%	97	%	100	111	108	111	108	NC	60 - 140	25
% IS-Chlorobenzene-d5	96	%	96	%	99	108	105	108	105	NC	60 - 140	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

QA/QC Data

SDG I.D.: GCI11598

Parameter	Blk	Blk	Blk	Blk	LCS	Sample	Sample	Sample	Sample	DUP	%	%
	ppbv	RL	ppbv	RL	%	Result	Dup	Result	Dup	RPD	Rec	RPD
			ug/m3	ug/m3		ug/m3	ug/m3	ppbv	ppbv		Limits	Limits

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

April 23, 2021

Friday, April 23, 2021

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCI11598 - ENVIROTR

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

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



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Analysis Comments

April 23, 2021

SDG I.D.: GCI11598

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

AIRSIM

CHEM24 04/20/21-1: CI11598, CI11599

The following Continuing Calibration compounds did not meet % deviation criteria: Ethanol 48%H (30%), Ethyl acetate 33%H (30%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: Ethanol 48%H (30%), Ethyl acetate 33%H (30%)

