

Via email to rob.decandia@dec.ny.gov

January 9, 2019

Mr. Robert D. DeCandia Jr. P.E.
NYSDEC, Division of Environmental Remediation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7015

Re: Progress Report: December 2018
Frost Street Sites: Site ID #s 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. DeCandia:

EnSafe Inc. is pleased to submit this Progress Report for the Frost Street Sites (Site ID #s 1-30043 I, L, M) for work completed in December 2018.

Soil Vapor Extraction (SVE)/Air Sparge (AS) System Operation and Maintenance (O&M) (OU1)

- Operations continued this month, per the O&M Manual. During periodic O&M visits, system parameters were logged on dedicated O&M forms (**Appendix A**).
 - o The compressor was off upon arrival twice this month, but no alarm calls were received. Upon further inspection, the landline phone appears to have been disconnected; service was restored on January 8, 2019.
- The Frost Street Parties submitted a proposal for system reconfiguration/optimization to support site redevelopment efforts on September 27, 2018. NYSDEC preliminary comments were received via email on December 20, 2018; once a formal comment letter is received, the Frost Street Parties will prepare a response and/or revised proposal, as needed.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on December 17, 2018, 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**.
 - o Photoionization detector readings and influent concentrations of Frost Street-related

contaminants of concern (tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, and vinyl chloride [37,154 $\mu\text{g}/\text{m}^3$]) continue to indicate significant mass extraction.

- o Effluent concentrations are below the carbon exchange indicator concentrations, as shown in the table below. However, because the cis-1,2-dichloroethene concentration exceeded in the November 2018 sample, a carbon exchange will be performed on January 9, 2019.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800 ft^3/m	
Compound	Annual Mass Emission Limit (lbs/year)	Carbon Exchange Required Indicator Concentration ($\mu\text{g}/\text{m}^3$) ²	December 2018 Effluent Concentration ($\mu\text{g}/\text{m}^3$)
Trichloroethene	500	19,000	44.4
Tetrachloroethene	1,000	38,000	1.56
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene ¹	100	3,800	1,430

Notes:

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

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

Groundwater Extraction/Hydraulic Containment System Installation (OU2)

Currently, the pumps in EX-1B, EX-1C, and EX-1D are operating near design flow rates. The pump in EX-1A malfunctioned in August; the repair and/or replacement of this pump will be determined pending NYSDEC approval of the *Expanded Pumping Test Summary, Findings, and Recommendations*, submitted on August 10, 2018.

Groundwater Monitoring

- The third quarter 2018 groundwater monitoring report was submitted to NYSDEC on December 17, 2018; the data submitted to NYSDEC on December 6, 2018 was accepted on December 20, 2018.
- The fourth quarter 2018 sampling event was performed the week of December 10, 2018; results will be submitted in a forthcoming report when available.

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

C. Bethoney, NYSDOH

J. Nealon, NYSDOH

R. Putnam, NCDOH

J. Vasquez, U.S. EPA

T. Pupilla, Sanders Equities

K. Maldonado, Esq.

J. Privitera, Esq.

P. Coop, EnSafe

J. Wilkinson, Envirotrac

Via email to amtamuno@gw.dec.state.ny.us

Via email to charlotte.bethoney@health.ny.gov

Via email to jacquelyn.nealon@health.ny.gov

Via email to rputnam@nassaucountyny.gov

Via email to Vazquez.julio@epa.gov

Via email to tpupilla@sandersequities.com

Via email to kevinmaldonado64@yahoo.com

Via email to privitera@mltw.com

Via email to pcoop@ensafe.com

Via email to jamesw@envirotrac.com

Appendix A
SVE/AS System O&M 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: 6-Dec
Weather / Temp: Clear / 40 DEG
Technician / Operator: JW

Arrival Time: 14:00
Departure Time: 14:30

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	ON		ON		Sensaphone (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	OFF		OFF		Surge Protection (ON/OFF)	ON		ON	
AS Compressor 1 (ON/OFF)	OFF		OFF		Lightning Protection (White/Black)	White		White	
AS Compressor 2 (ON/OFF)	OFF		ON						
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/cfm)	4600		903		Blower 1 Total Runtime (hrs)	52,832.2			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	52,259.3			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	4				Blower 2 Air Filter Differential Pressure ("H2O)	0			
VGAC-1 Influent Vacuum ("H2O)	60				VGAC-1 Influent PID (ppm)	5.0			
VGAC-1 Effluent Vacuum ("H2O)	50				VGAC-1 Effluent PID (ppm)	6.0			
VGAC-2 Influent Vacuum ("H2O)	50				VGAC-2 Influent PID (ppm)	5.0			
VGAC-2 Effluent Vacuum ("H2O)	50				VGAC-2 Effluent PID (ppm)	6.0			
VGAC-3 Influent Pressure ("H2O)	8				VGAC-3 Influent PID (ppm)	6.0			
VGAC-3 Effluent Pressure ("H2O)	3				VGAC-3 Effluent PID (ppm)	0.0			
VGAC-3 Influent Temp (DegF)	NA				Blower Effluent PID (ppm)	6.0			
Blower Effluent Pressure ("H2O)	20								
Transfer Pump Total Runtime (hrs)	25,033.0				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)	55	8000	175		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	48	4500	98	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	55	5000	109		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	48	3200	70	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	48	5500	120		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	46	7000	153	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	48	4500	98		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	50	3000	65	
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs				Compressor 2 Pressure (psi)	94			
Compressor 1 Temperature (degF)	Off for repairs				Compressor 2 Temperature (degF)	146			
Compressor 1 Runtime (hrs)	27,317				Compressor 2 Runtime (hrs)	30,261			
Manifold Regulator Pressure (psi)	82								
AS Manifold Legs - Pressure/Flow Rate									
	Pressure		Flow Rate			Pressure		Flow Rate	
AS-1 (psi)/cfm)	16		9		AS-11 (psi)/cfm)	15		4	
AS-2 (psi)/cfm)	15		5		AS-12B (psi)/cfm)	15		8	
AS-3 (psi)/cfm)	16		9		AS-13B (psi)/cfm)	14		8	
AS-4 (psi)/cfm)	14		8		AS-14 (psi)/cfm)	15		8	
AS-5 (psi)/cfm)	16		9		AS-15 (psi)/cfm)	15		10	
AS-6 (psi)/cfm)	16		7		AS-16B (psi)/cfm)	14		10	
AS-7 (psi)/cfm)	16		7		AS-17 (psi)/cfm)	15		6	
AS-8 (psi)/cfm)	16		10		AS-18 (psi)/cfm)	15		7	
AS-9 (psi)/cfm)	16		7		AS-19 (psi)/cfm)	15		5	
AS-10B (psi)/cfm)	14		10						

Notes, Comments & Observations:

Compressor off upon arrival, added oil and restarted.

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: 12-Dec
 Weather / Temp: Clear / 40 DEG
 Technician / Operator: JW

Arrival Time: 15:00
 Departure Time: 15:30

System Status									
	Arrival	Departure			Arrival	Departure			
SVE Blower 1 (ON/OFF)	ON	ON		Sensaphone (ON/OFF)	ON	ON			
SVE Blower 2 (ON/OFF)	OFF	OFF		Surge Protection (ON/OFF)	ON	ON			
AS Compressor 1 (ON/OFF)	OFF	OFF		Lightning Protection (White/Black)	White	White			
AS Compressor 2 (ON/OFF)	ON	ON							
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/cfm)	4600	903		Blower 1 Total Runtime (hrs)	52,909.1				
Blower 1 Fresh Air Valve Open (%)	0			Blower 2 Total Runtime (hrs)	52,259.3				
Blower 2 Fresh Air Valve Open (%)	0			Blower 1 Air Filter Differential Pressure ("H2O)	0				
Moisture Separator Vacuum ("Hg)	4			Blower 2 Air Filter Differential Pressure ("H2O)	0				
VGAC-1 Influent Vacuum ("H2O)	60			VGAC-1 Influent PID (ppm)	4.7				
VGAC-1 Effluent Vacuum ("H2O)	50			VGAC-1 Effluent PID (ppm)	6.4				
VGAC-2 Influent Vacuum ("H2O)	50			VGAC-2 Influent PID (ppm)	4.7				
VGAC-2 Effluent Vacuum ("H2O)	50			VGAC-2 Effluent PID (ppm)	6.4				
VGAC-3 Influent Pressure ("H2O)	8			VGAC-3 Influent PID (ppm)	6.4				
VGAC-3 Effluent Pressure ("H2O)	3			VGAC-3 Effluent PID (ppm)	0.0				
VGAC-3 Influent Temp (DegF)	NA			Blower Effluent PID (ppm)	6.4				
Blower Effluent Pressure ("H2O)	20								
Transfer Pump Total Runtime (hrs)	25,033.0			Condensate Storage Tank Level (gal)	360				
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	55	8000	175		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	50	4500	98	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	55	5000	109		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	50	3200	70	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	48	5500	120		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	46	7000	153	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	48	4500	98		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	50	3000	65	
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs			Compressor 2 Pressure (psi)	81				
Compressor 1 Temperature (degF)	Off for repairs			Compressor 2 Temperature (degF)	107				
Compressor 1 Runtime (hrs)	27,317			Compressor 2 Runtime (hrs)	30,321				
Manifold Regulator Pressure (psi)	75								
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate			Pressure	Flow Rate			
AS-1 (psi)/(cfm)	16	10		AS-11 (psi)/(cfm)	15	4			
AS-2 (psi)/(cfm)	15	5		AS-12B (psi)/(cfm)	15	8			
AS-3 (psi)/(cfm)	16	10		AS-13B (psi)/(cfm)	14	8			
AS-4 (psi)/(cfm)	14	8		AS-14 (psi)/(cfm)	15	8			
AS-5 (psi)/(cfm)	16	8		AS-15 (psi)/(cfm)	15	10			
AS-6 (psi)/(cfm)	15	7		AS-16B (psi)/(cfm)	14	10			
AS-7 (psi)/(cfm)	15	7		AS-17 (psi)/(cfm)	15	6			
AS-8 (psi)/(cfm)	15	10		AS-18 (psi)/(cfm)	15	8			
AS-9 (psi)/(cfm)	15	6		AS-19 (psi)/(cfm)	15	4			
AS-10B (psi)/(cfm)	14	10							

Notes, Comments & Observations:

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: 17-Dec
Weather / Temp: Clear / 45 DEG
Technician / Operator: JW

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

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	ON		ON		Sensaphone (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	OFF		OFF		Surge Protection (ON/OFF)	ON		ON	
AS Compressor 1 (ON/OFF)	OFF		OFF		Lightning Protection (White/Black)	White		White	
AS Compressor 2 (ON/OFF)	OFF		ON						
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4500		884		Blower 1 Total Runtime (hrs)	52,969.2			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	52,259.3			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	4				Blower 2 Air Filter Differential Pressure ("H2O)	0			
VGAC-1 Influent Vacuum ("H2O)	60				VGAC-1 Influent PID (ppm)	2.6			
VGAC-1 Effluent Vacuum ("H2O)	50				VGAC-1 Effluent PID (ppm)	4.0			
VGAC-2 Influent Vacuum ("H2O)	50				VGAC-2 Influent PID (ppm)	2.6			
VGAC-2 Effluent Vacuum ("H2O)	50				VGAC-2 Effluent PID (ppm)	4.0			
VGAC-3 Influent Pressure ("H2O)	8				VGAC-3 Influent PID (ppm)	4.0			
VGAC-3 Effluent Pressure ("H2O)	3				VGAC-3 Effluent PID (ppm)	0.0			
VGAC-3 Influent Temp (DegF)	NA				Blower Effluent PID (ppm)	4.0			
Blower Effluent Pressure ("H2O)	20								
Transfer Pump Total Runtime (hrs)	25,033.0				Condensate Storage Tank Level (gal)	390			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	55	8000	175	7.0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	50	4500	98	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	55	5000	109	0.0	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	50	3200	70	0.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	48	5500	120	1.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	46	7000	153	5.0
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	48	4500	98	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	50	3000	65	0.0
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs				Compressor 2 Pressure (psi)	93			
Compressor 1 Temperature (degF)	Off for repairs				Compressor 2 Temperature (degF)	169			
Compressor 1 Runtime (hrs)	27,317				Compressor 2 Runtime (hrs)	30,381			
Manifold Regulator Pressure (psi)	80								
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate			Pressure	Flow Rate			
AS-1 (psi)/(cfm)	15	10	AS-11 (psi)/(cfm)		15	4			
AS-2 (psi)/(cfm)	15	5	AS-12B (psi)/(cfm)		15	8			
AS-3 (psi)/(cfm)	15	10	AS-13B (psi)/(cfm)		13	8			
AS-4 (psi)/(cfm)	14	8	AS-14 (psi)/(cfm)		15	8			
AS-5 (psi)/(cfm)	16	8	AS-15 (psi)/(cfm)		15	10			
AS-6 (psi)/(cfm)	15	7	AS-16B (psi)/(cfm)		14	10			
AS-7 (psi)/(cfm)	15	7	AS-17 (psi)/(cfm)		15	6			
AS-8 (psi)/(cfm)	15	10	AS-18 (psi)/(cfm)		15	7			
AS-9 (psi)/(cfm)	15	6	AS-19 (psi)/(cfm)		15	5			
AS-10B (psi)/(cfm)	14	10							

Notes, Comments & Observations: _____

Collected monthly samples. _____

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

Arrival Time: 12:00
 Departure Time: 13:00

System Status									
	Arrival	Departure		Arrival	Departure				
SVE Blower 1 (ON/OFF)	ON	ON	Sensaphone (ON/OFF)	ON	ON				
SVE Blower 2 (ON/OFF)	OFF	OFF	Surge Protection (ON/OFF)	ON	ON				
AS Compressor 1 (ON/OFF)	OFF	OFF	Lightning Protection (White/Black)	White	White				
AS Compressor 2 (ON/OFF)	ON	ON							
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/cfm)	4600	903	Blower 1 Total Runtime (hrs)	53,092.0					
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	52,259.3					
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0					
Moisture Separator Vacuum ("Hg)	4		Blower 2 Air Filter Differential Pressure ("H2O)	0					
VGAC-1 Influent Vacuum ("H2O)	59		VGAC-1 Influent PID (ppm)	6.3					
VGAC-1 Effluent Vacuum ("H2O)	48		VGAC-1 Effluent PID (ppm)	8.0					
VGAC-2 Influent Vacuum ("H2O)	49		VGAC-2 Influent PID (ppm)	6.3					
VGAC-2 Effluent Vacuum ("H2O)	49		VGAC-2 Effluent PID (ppm)	8.0					
VGAC-3 Influent Pressure ("H2O)	8.1		VGAC-3 Influent PID (ppm)	8.0					
VGAC-3 Effluent Pressure ("H2O)	2.7		VGAC-3 Effluent PID (ppm)	0.0					
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	8.0					
Blower Effluent Pressure ("H2O)	20.5								
Transfer Pump Total Runtime (hrs)	25,033.0		Condensate Storage Tank Level (gal)	500					
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	54	8000	175		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	48	4400	96	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	56	5000	109		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	48	3200	70	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	48	5600	122		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	47	7000	153	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	48	4600	100		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	50	3200	70	
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs				Compressor 2 Pressure (psi)	93			
Compressor 1 Temperature (degF)	Off for repairs				Compressor 2 Temperature (degF)	170			
Compressor 1 Runtime (hrs)	27,317				Compressor 2 Runtime (hrs)	5,388			
Manifold Regulator Pressure (psi)	80								
AS Manifold Legs - Pressure/Flow Rate									
	Pressure		Flow Rate			Pressure		Flow Rate	
AS-1 (psi)/(cfm)	16		9		AS-11 (psi)/(cfm)	15		4	
AS-2 (psi)/(cfm)	15		5		AS-12B (psi)/(cfm)	15		8	
AS-3 (psi)/(cfm)	16		9		AS-13B (psi)/(cfm)	14		8	
AS-4 (psi)/(cfm)	14		8		AS-14 (psi)/(cfm)	15		8	
AS-5 (psi)/(cfm)	16		9		AS-15 (psi)/(cfm)	15		10	
AS-6 (psi)/(cfm)	16		7		AS-16B (psi)/(cfm)	14		10	
AS-7 (psi)/(cfm)	16		7		AS-17 (psi)/(cfm)	15		6	
AS-8 (psi)/(cfm)	16		10		AS-18 (psi)/(cfm)	15		7	
AS-9 (psi)/(cfm)	16		7		AS-19 (psi)/(cfm)	15		5	
AS-10B (psi)/(cfm)	14		10						

Notes, Comments & Observations:

Appendix B
SVE System Influent/Effluent Sampling (TO-15)
Laboratory Analytical Results



Thursday, December 20, 2018

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

Project ID: ENSAFE- WESTBURY
Sample ID#s: CC16294 - CC16295

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 have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

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



Analysis Report

December 20, 2018

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

Sample Information

Matrix: AIR
Location Code: ENVIOTR
Rush Request: 72 Hour
P.O.#:
Canister Id: 827

Custody Information

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

Date Time
12/17/18 9:41
12/18/18 17:00

Laboratory Data

SDG ID: GCC16294
Phoenix ID: CC16294

Project ID: ENSAFE- WESTBURY
Client ID: SVE EFFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	12/19/18	KCA	1
1,1,1-Trichloroethane	0.251	0.183	1.37	1.00	12/19/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/19/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/19/18	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	12/19/18	KCA	1
1,1-Dichloroethene	0.256	0.051	1.01	0.20	12/19/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/19/18	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	12/19/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/19/18	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/19/18	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	12/19/18	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	12/19/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/19/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	12/19/18	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	12/19/18	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/19/18	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/19/18	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	12/19/18	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	12/19/18	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	12/19/18	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	12/19/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	12/19/18	KCA	1
Acetone	22.8	0.421	54.1	1.00	12/19/18	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	12/19/18	KCA	1
Benzene	ND	0.313	ND	1.00	12/19/18	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	12/19/18	KCA	1

Client ID: SVE EFFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	12/19/18	KCA	1
Bromoform	ND	0.097	ND	1.00	12/19/18	KCA	1
Bromomethane	ND	0.258	ND	1.00	12/19/18	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	12/19/18	KCA	1
Carbon Tetrachloride	ND	0.032	ND	0.20	12/19/18	KCA	1
Chlorobenzene	ND	0.217	ND	1.00	12/19/18	KCA	1
Chloroethane	ND	0.379	ND	1.00	12/19/18	KCA	1
Chloroform	ND	0.205	ND	1.00	12/19/18	KCA	1
Chloromethane	ND	0.485	ND	1.00	12/19/18	KCA	1
Cis-1,2-Dichloroethene	361	1.01	1430	4.00	12/19/18	KCA	20
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	12/19/18	KCA	1
Cyclohexane	ND	0.291	ND	1.00	12/19/18	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	12/19/18	KCA	1
Dichlorodifluoromethane	0.960	0.202	4.74	1.00	12/19/18	KCA	1
Ethanol	3.02	0.531	5.69	1.00	12/19/18	KCA	1 1
Ethyl acetate	ND	0.278	ND	1.00	12/19/18	KCA	1 1
Ethylbenzene	ND	0.230	ND	1.00	12/19/18	KCA	1
Heptane	ND	0.244	ND	1.00	12/19/18	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	12/19/18	KCA	1
Hexane	1.06	S 0.284	3.73	1.00	12/19/18	KCA	1
Isopropylalcohol	2.11	0.407	5.18	1.00	12/19/18	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	12/19/18	KCA	1
m,p-Xylene	ND	0.230	ND	1.00	12/19/18	KCA	1
Methyl Ethyl Ketone	0.793	0.339	2.34	1.00	12/19/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/19/18	KCA	1
Methylene Chloride	4.82	S 0.864	16.7	3.00	12/19/18	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	12/19/18	KCA	1 1
o-Xylene	ND	0.230	ND	1.00	12/19/18	KCA	1
Propylene	ND	0.581	ND	1.00	12/19/18	KCA	1 1
sec-Butylbenzene	ND	0.182	ND	1.00	12/19/18	KCA	1 1
Styrene	ND	0.235	ND	1.00	12/19/18	KCA	1
Tetrachloroethene	0.230	0.037	1.56	0.25	12/19/18	KCA	1
Tetrahydrofuran	1.13	0.339	3.33	1.00	12/19/18	KCA	1 1
Toluene	ND	0.266	ND	1.00	12/19/18	KCA	1
Trans-1,2-Dichloroethene	4.72	0.252	18.7	1.00	12/19/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	12/19/18	KCA	1
Trichloroethene	8.27	0.037	44.4	0.20	12/19/18	KCA	1
Trichlorofluoromethane	0.200	0.178	1.12	1.00	12/19/18	KCA	1
Trichlorotrifluoroethane	0.147	0.131	1.13	1.00	12/19/18	KCA	1
Vinyl Chloride	0.081	0.078	0.21	0.20	12/19/18	KCA	1
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	98	%	98	%	12/19/18	KCA	1

Client ID: SVE EFFLUENT

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:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

December 20, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

December 20, 2018

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

Sample Information

Matrix: AIR
Location Code: ENVIOTR
Rush Request: 72 Hour
P.O.#:
Canister Id: 742

Custody Information

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

Date Time
12/17/18 9:46
12/18/18 17:00

Laboratory Data

SDG ID: GCC16294
Phoenix ID: CC16295

Project ID: ENSAFE- WESTBURY
Client ID: SVE INFLUENT

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	12/19/18	KCA	1
1,1,1-Trichloroethane	0.991	0.183	5.40	1.00	12/19/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/19/18	KCA	1
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/19/18	KCA	1
1,1-Dichloroethane	ND	0.247	ND	1.00	12/19/18	KCA	1
1,1-Dichloroethene	0.108	0.051	0.43	0.20	12/19/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/19/18	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	12/19/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/19/18	KCA	1
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/19/18	KCA	1
1,2-Dichloroethane	ND	0.247	ND	1.00	12/19/18	KCA	1
1,2-dichloropropane	ND	0.217	ND	1.00	12/19/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/19/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	12/19/18	KCA	1
1,3-Butadiene	ND	0.452	ND	1.00	12/19/18	KCA	1
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/19/18	KCA	1
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/19/18	KCA	1
1,4-Dioxane	ND	0.278	ND	1.00	12/19/18	KCA	1
2-Hexanone(MBK)	ND	0.244	ND	1.00	12/19/18	KCA	1
4-Ethyltoluene	ND	0.204	ND	1.00	12/19/18	KCA	1
4-Isopropyltoluene	ND	0.182	ND	1.00	12/19/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	12/19/18	KCA	1
Acetone	3.05	S 0.421	7.24	1.00	12/19/18	KCA	1
Acrylonitrile	ND	0.461	ND	1.00	12/19/18	KCA	1
Benzene	ND	0.313	ND	1.00	12/19/18	KCA	1
Benzyl chloride	ND	0.193	ND	1.00	12/19/18	KCA	1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	ND	1.00	12/19/18	KCA	1
Bromoform	ND	0.097	ND	1.00	12/19/18	KCA	1
Bromomethane	ND	0.258	ND	1.00	12/19/18	KCA	1
Carbon Disulfide	ND	0.321	ND	1.00	12/19/18	KCA	1
Carbon Tetrachloride	0.073	0.032	0.46	0.20	12/19/18	KCA	1
Chlorobenzene	0.291	0.217	1.34	1.00	12/19/18	KCA	1
Chloroethane	ND	0.379	ND	1.00	12/19/18	KCA	1
Chloroform	0.287	0.205	1.40	1.00	12/19/18	KCA	1
Chloromethane	ND	0.485	ND	1.00	12/19/18	KCA	1
Cis-1,2-Dichloroethene	218	25.2	864	100	12/19/18	KCA	500
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	12/19/18	KCA	1
Cyclohexane	ND	0.291	ND	1.00	12/19/18	KCA	1
Dibromochloromethane	ND	0.118	ND	1.00	12/19/18	KCA	1
Dichlorodifluoromethane	0.676	0.202	3.34	1.00	12/19/18	KCA	1
Ethanol	3.50	0.531	6.59	1.00	12/19/18	KCA	1
Ethyl acetate	ND	0.278	ND	1.00	12/19/18	KCA	1
Ethylbenzene	ND	0.230	ND	1.00	12/19/18	KCA	1
Heptane	ND	0.244	ND	1.00	12/19/18	KCA	1
Hexachlorobutadiene	ND	0.094	ND	1.00	12/19/18	KCA	1
Hexane	ND	0.284	ND	1.00	12/19/18	KCA	1
Isopropylalcohol	0.959	0.407	2.36	1.00	12/19/18	KCA	1
Isopropylbenzene	ND	0.204	ND	1.00	12/19/18	KCA	1
m,p-Xylene	ND	0.230	ND	1.00	12/19/18	KCA	1
Methyl Ethyl Ketone	ND	0.339	ND	1.00	12/19/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/19/18	KCA	1
Methylene Chloride	ND	0.864	ND	3.00	12/19/18	KCA	1
n-Butylbenzene	ND	0.182	ND	1.00	12/19/18	KCA	1
o-Xylene	ND	0.230	ND	1.00	12/19/18	KCA	1
Propylene	ND	0.581	ND	1.00	12/19/18	KCA	1
sec-Butylbenzene	ND	0.182	ND	1.00	12/19/18	KCA	1
Styrene	ND	0.235	ND	1.00	12/19/18	KCA	1
Tetrachloroethene	5100	18.4	34600	125	12/19/18	KCA	500
Tetrahydrofuran	ND	0.339	ND	1.00	12/19/18	KCA	1
Toluene	0.604	0.266	2.27	1.00	12/19/18	KCA	1
Trans-1,2-Dichloroethene	4.53	0.252	17.9	1.00	12/19/18	KCA	1
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	12/19/18	KCA	1
Trichloroethene	314	18.6	1690	100	12/19/18	KCA	500
Trichlorofluoromethane	0.440	0.178	2.47	1.00	12/19/18	KCA	1
Trichlorotrifluoroethane	ND	0.131	ND	1.00	12/19/18	KCA	1
Vinyl Chloride	ND	0.078	ND	0.20	12/19/18	KCA	1
<u>QA/OC Surrogates</u>							
% Bromofluorobenzene	106	%	106	%	12/19/18	KCA	1

Client ID: SVE INFLUENT

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:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

December 20, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



QA/QC Report

December 20, 2018

QA/QC Data

SDG I.D.: GCC16294

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 460521 (ppbv), QC Sample No: CC16343 (CC16294 (1X, 20X) , CC16295 (1X, 500X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	100	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	107	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	107	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	110	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	118	40.8	40.0	8.30	8.14	1.9	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	114	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	117	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	107	24.8	24.9	5.04	5.06	0.4	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	109	2.61	2.37	0.434	0.395	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	114	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	130	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	105	34.9	31.6	7.11	6.43	10.0	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	111	1.28	1.15	0.234	0.209	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	111	7.61	ND	1.86	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	103	9.04 S	8.24 S	3.81 S	3.47 S	9.3	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	97	1.02	1.01	0.318	0.317	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	114	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	83	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	97	3.49	3.05	1.12	0.981	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	103	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	112	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	101	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	111	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	113	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	118	3.14	2.85	0.635	0.577	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	127	24.1	21.1	12.8	11.2	13.3	70 - 130	25

QA/QC Data

SDG I.D.: GCC16294

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	104	1.56	1.51	0.433	0.420	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	96	35.2	35.3	8.10	8.13	0.4	70 - 130	25
Heptane	ND	0.240	ND	0.98	114	2.95	2.94	0.720	0.719	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	104	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	106	1.14	1.10	0.463	0.446	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	104	2.69	2.85	0.547	0.581	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	117	153	149	35.2	34.3	2.6	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	106	5.42	4.92	1.84	1.67	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	107	53.5	47.6	15.4	13.7	11.7	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	108	4.17	3.91	0.760	0.713	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	116	52.9	52.5	12.2	12.1	0.8	70 - 130	25
Propylene	ND	0.580	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	111	1.40	1.26	0.256	0.229	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	109	0.99	1.02	0.232	0.239	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	109	32.0	33.7	4.72	4.97	5.2	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	106	2.87	ND	0.973	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	116	9.42	9.38	2.50	2.49	0.4	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	109	0.54	0.54	0.101	0.100	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	93		93		104	109	108	109	108	NC	70 - 130	25

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
December 20, 2018

Thursday, December 20, 2018

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCC16294 - 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.



Environmental Laboratories, Inc.
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Analysis Comments

December 20, 2018

SDG I.D.: GCC16294

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

AIRSIM

CHEM24 12/18/18-1: CC16294, CC16295

The following Initial Calibration compounds did not meet RSD% criteria: 1,2,4-Trichlorobenzene(sim) 33% (30%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: 1,2,4-Trichlorobenzene(sim) 33% (30%)



800-827-5426

email: greg@phoenixlabs.com

Page 1 of 1

Fax #:



Phone #:

Invoice to: **ENVIRONMENTAL**

Project Names: Ensafe-Westbury

Requested Deliverable:RCP ☐**ASP CAT B**MCP **NI Deliverables** ☐

State where samples collected: MA

Relinquished by: 	Accepted by: 	Date: 12-18-18	Time: 11:00	Data Format: Excel ☒ Equis ☐ Other ☒ (pdf)
		12-18-18	17:00	Turnaround Time:

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:

(2)(1.4)(GRAB)

Requested Criteria

Quote Number:☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☒ Standard

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature:

Date: _____