1233 Silas Deane Highway | Wethersfield, Connecticut 06109 | Telephone 860-665-1140 | Fax 860-665-9445 | www.ensafe.com

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

November 12, 2018

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: October 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 October 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**).
    - The system experienced two alarm conditions: an AS compressor fault (October 7, 2018) and an alarm of unknown origin (October 27, 2018).
    - The system was down from October 19 to October 24, 2018 due to the micro-PLC in the control panel being broken. The system was restarted upon repair.
- The Frost Street Parties submitted a proposal for system reconfiguration/optimization to support site redevelopment efforts on September 27, 2018.
- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on October 5, 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**.
    - Photoionization detector readings and influent concentrations of Frost Street-related contaminants of concern (tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, and vinyl chloride [4,157 µg/m^3]) continue to indicate significant mass extraction.

- Effluent concentrations are well below the allowable limits, as shown in the table below.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800	ft^3/m
Compound	**Annual Mass Emission Limit (lbs/year)**	**Allowable Continuous Annual Concentration ($\mu g/m^3$)**	**October 2018 Effluent Concentration ($\mu g/m^3$)**
Trichloroethene	500	19,000	ND
Tetrachloroethene	1,000	38,000	1.81
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene	100	3,800	1,010

Notes:
Source of Mass Emission Limit: Part 212-2.2 Table 2 - High Toxicity Air Contaminant List
Cis-1,2-dichloroethene is not a listed HTAC, so the default is 100 lbs/year.
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 at 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 sampling event was performed the week of September 24, 2018; this sampling event included collection of quarterly samples for routine VOC analysis as well as emerging contaminant analysis from select wells in accordance with the NYSDEC approved work plan. Results will be submitting 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 M. J. Stark

Alexandra Stark, P.E.

Attachments

Copies:	A. Tamuno, Esq., NYSDEC	*Via email to amtamuno@gw.dec.state.ny.us*
	C. Bethoney, NYSDOH	*Via email to charlotte.bethoney@health.ny.gov*
	J. Nealon, NYSDOH	*Via email to jacquelyn.nealon@health.ny.gov*
	R. Putnam, NCDOH	*Via email to rputnam@nassaucountyny.gov*
	T. Mongelli, U.S. EPA	*Via email to Mongelli.Thomas@epa.gov*
	T. Pupilla, Sanders Equities	*Via email to tpupilla@sandersequities.com*
	K. Maldonado, Esq.	*Via email to kevinmaldonado64@yahoo.com*
	J. Privitera, Esq.	*Via email to privitera@mltw.com*
	P. Coop, EnSafe	*Via email to pcoop@ensafe.com*
	J. Wilkinson, Envirotrac	*Via email to jamesw@envirotrac.com*

Appendix A

SVE/AS System O&M Logs

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
	10/5/2018	JW	System off upon arrival, no alarms present.	Restarted system.	ON	ON
10/7/2018	10/9/2018	JW	AS Compressor Fault	Added oil, reset thermal overload	ON	ON
	10/19/2018	JW	System off upon Arrival due to dead Smart Relay micro-PLC in Control Panel	Need to order new part and replace exisiting.	OFF	OFF
	10/24/2018	OL	"	Replaced Smart Relay, restarted system.	ON	ON
10/27/2018	10/29/2018	JW	System down, no alarms on panel	Reset relay to alarm zone 2, restarted system.	ON	ON

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: 5-Oct
Weather / Temp: Clear / 70 DEG
Technician / Operator: JW

Arrival Time: 9:00
Departure Time: 11:00

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	OFF	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)	4800	942	Blower 1 Total Runtime (hrs)	52,174.4
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	51,966.1
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3.5		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	42		VGAC-1 Influent PID (ppm)	2.7
VGAC-1 Effluent Vacuum ("H2O)	45		VGAC-1 Effluent PID (ppm)	0.0
VGAC-2 Influent Vacuum ("H2O)	40		VGAC-2 Influent PID (ppm)	2.7
VGAC-2 Effluent Vacuum ("H2O)	45		VGAC-2 Effluent PID (ppm)	0.0
VGAC-3 Influent Pressure ("H2O)	50		VGAC-3 Influent PID (ppm)	0.0
VGAC-3 Effluent Pressure ("H2O)	60		VGAC-3 Effluent PID (ppm)	0.0
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	0.0
Blower Effluent Pressure ("H2O)	10			
Transfer Pump Total Runtime (hrs)	25,033.0		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)	48	7000	153	6.0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	40	4500	98	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	50	4800	105	0.0	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	40	3100	68	0.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	40	5200	113	0.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	6500	142	3.0
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	40	4500	98	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	40	3200	70	0.0

Air Sparge System

Compressor 1 Pressure (psi)	Off for repairs	Compressor 2 Pressure (psi)	87
Compressor 1 Temperature (degF)	Off for repairs	Compressor 2 Temperature (degF)	160
Compressor 1 Runtime (hrs)	27,317	Compressor 2 Runtime (hrs)	29,374
Manifold Regulator Pressure (psi)	70		

AS Manifold Legs - Pressure/Flow Rate

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

Notes, Comments & Observations:

System off upon arrival, no alarms on panel, 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: 9-Oct
Weather / Temp: Clear / 70 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)	4800	942	Blower 1 Total Runtime (hrs)	52,222.4
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	52,011.4
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3.5		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	42		VGAC-1 Influent PID (ppm)	2.1
VGAC-1 Effluent Vacuum ("H2O)	45		VGAC-1 Effluent PID (ppm)	0.0
VGAC-2 Influent Vacuum ("H2O)	40		VGAC-2 Influent PID (ppm)	2.1
VGAC-2 Effluent Vacuum ("H2O)	45		VGAC-2 Effluent PID (ppm)	0.0
VGAC-3 Influent Pressure ("H2O)	50		VGAC-3 Influent PID (ppm)	0.0
VGAC-3 Effluent Pressure ("H2O)	60		VGAC-3 Effluent PID (ppm)	0.0
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	0.0
Blower Effluent Pressure ("H2O)	10			
Transfer Pump Total Runtime (hrs)	25,033.0		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)	48	7000	153		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	40	4500	98	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	50	5000	109		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	40	3000	65	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	40	5000	109		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	6500	142	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	40	4500	98		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	40	3000	65	

Air Sparge System			
Compressor 1 Pressure (psi)	Off for repairs	Compressor 2 Pressure (psi)	87
Compressor 1 Temperature (degF)	Off for repairs	Compressor 2 Temperature (degF)	160
Compressor 1 Runtime (hrs)	27,317	Compressor 2 Runtime (hrs)	29,421
Manifold Regulator Pressure (psi)	70		

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

Notes, Comments & Observations:

AS 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: 19-Oct
Weather / Temp: Clear / 50 DEG
Technician / Operator: JW

Arrival Time: 9:00
Departure Time: 10:30

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	OFF	OFF	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	OFF			

Soil Vapor Extraction System

Blower Air Velocity/Flow Rate (fpm)/(cfm)			Blower 1 Total Runtime (hrs)	52,325.5
Blower 1 Fresh Air Valve Open (%)			Blower 2 Total Runtime (hrs)	52,113.3
Blower 2 Fresh Air Valve Open (%)			Blower 1 Air Filter Differential Pressure ("H2O)	
Moisture Separator Vacuum ("Hg)			Blower 2 Air Filter Differential Pressure ("H2O)	
VGAC-1 Influent Vacuum ("H2O)			VGAC-1 Influent PID (ppm)	
VGAC-1 Effluent Vacuum ("H2O)			VGAC-1 Effluent PID (ppm)	
VGAC-2 Influent Vacuum ("H2O)			VGAC-2 Influent PID (ppm)	
VGAC-2 Effluent Vacuum ("H2O)			VGAC-2 Effluent PID (ppm)	
VGAC-3 Influent Pressure ("H2O)			VGAC-3 Influent PID (ppm)	
VGAC-3 Effluent Pressure ("H2O)			VGAC-3 Effluent PID (ppm)	
VGAC-3 Influent Temp (DegF)			Blower Effluent PID (ppm)	
Blower Effluent Pressure ("H2O)				
Transfer Pump Total Runtime (hrs)	25,033.0		Condensate Storage Tank Level (gal)	

SVE Manifold Legs - Vacuum/Flow Rate/PID

	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)					SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)				
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)					SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)				
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)					SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)				
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)					SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)				

Air Sparge System

Compressor 1 Pressure (psi)	Off for repairs	Compressor 2 Pressure (psi)	
Compressor 1 Temperature (degF)	Off for repairs	Compressor 2 Temperature (degF)	
Compressor 1 Runtime (hrs)	27,317	Compressor 2 Runtime (hrs)	29,626
Manifold Regulator Pressure (psi)			

AS Manifold Legs - Pressure/Flow Rate

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

Notes, Comments & Observations:

Systtem off upon arrival. Smart Relay micro PLC in control panel will not turn on, receiving 120VAC.

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: 24-Oct
Weather / Temp: Clear / 70 DEG
Technician / Operator: OL

Arrival Time: 7:30
Departure Time: 13:00

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	OFF'	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)	4800	942	Blower 1 Total Runtime (hrs)	52,222.5
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	52,011.4
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3.5		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	40		VGAC-1 Influent PID (ppm)	2.1
VGAC-1 Effluent Vacuum ("H2O)	45		VGAC-1 Effluent PID (ppm)	0.0
VGAC-2 Influent Vacuum ("H2O)	40		VGAC-2 Influent PID (ppm)	2.1
VGAC-2 Effluent Vacuum ("H2O)	45		VGAC-2 Effluent PID (ppm)	0.0
VGAC-3 Influent Pressure ("H2O)	50		VGAC-3 Influent PID (ppm)	0.0
VGAC-3 Effluent Pressure ("H2O)	60		VGAC-3 Effluent PID (ppm)	0.0
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	0.0
Blower Effluent Pressure ("H2O)	10			
Transfer Pump Total Runtime (hrs)	25,033.0		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)	45	7000	153		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	40	4500	98	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	48	5000	109		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	40	3000	65	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	42	5000	109		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	6500	142	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	40	4500	98		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	40	3000	65	

Air Sparge System

Compressor 1 Pressure (psi)	Off for repairs	Compressor 2 Pressure (psi)	87
Compressor 1 Temperature (degF)	Off for repairs	Compressor 2 Temperature (degF)	160
Compressor 1 Runtime (hrs)	27,317	Compressor 2 Runtime (hrs)	29,422
Manifold Regulator Pressure (psi)	70		

AS Manifold Legs - Pressure/Flow Rate

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

Notes, Comments & Observations:

System off upon arrival, replaced smart relay in control panel, restarted system.

Appendix B

SVE System Influent/Effluent Sampling (TO-15)

Laboratory Analytical Results

Wednesday, October 17, 2018

Attn: Mr. Jim Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Project ID: ENSAFE-WESTBURY
Sample ID#s: CB70111 - CB70112

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,

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 17, 2018

FOR: Attn: Mr. Jim Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JW	10/05/18	12:31
Location Code:	ENVIROTR	Received by:	LB	10/11/18	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	733				

Laboratory Data

SDG ID: GCB70111
Phoenix ID: CB70111

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*	10/12/18	KCA	1	1
1,1,1-Trichloroethane	0.544	*0.183*	2.97	*1.00*	10/12/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	10/12/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	10/12/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	10/12/18	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	10/12/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	10/12/18	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	10/12/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	10/12/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/12/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	10/12/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	10/12/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	10/12/18	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	10/12/18	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	10/12/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/12/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/12/18	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	10/12/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	10/12/18	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	10/12/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	10/12/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	10/12/18	KCA	1	
Acetone	5.43	*0.421*	12.9	*1.00*	10/12/18	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	10/12/18	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	10/12/18	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	10/12/18	KCA	1	

Project ID: ENSAFE-WESTBURY
Client ID: SVE INFLUENT

Phoenix I.D.: CB70111

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	10/12/18	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	10/12/18	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	10/12/18	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	10/12/18	KCA	1	
Carbon Tetrachloride	0.096	*0.032*	0.60	*0.20*	10/12/18	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	10/12/18	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	10/12/18	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	10/12/18	KCA	1	
Chloromethane	ND	*0.485*	ND	*1.00*	10/12/18	KCA	1	
Cis-1,2-Dichloroethene	34.6	*0.505*	137	*2.00*	10/13/18	KCA	10	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	10/12/18	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	10/12/18	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	10/12/18	KCA	1	
Dichlorodifluoromethane	0.560	*0.202*	2.77	*1.00*	10/12/18	KCA	1	
Ethanol	2.38	*0.531*	4.48	*1.00*	10/12/18	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	10/12/18	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	10/12/18	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	10/12/18	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	10/12/18	KCA	1	
Hexane	ND	*0.284*	ND	*1.00*	10/12/18	KCA	1	
Isopropylalcohol	1.55	*0.407*	3.81	*1.00*	10/12/18	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	10/12/18	KCA	1	
m,p-Xylene	ND	*0.230*	ND	*1.00*	10/12/18	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	ND	*1.00*	10/12/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	10/12/18	KCA	1	
Methylene Chloride	ND	*0.864*	ND	*3.00*	10/12/18	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	10/12/18	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	10/12/18	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	10/12/18	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	10/12/18	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	10/12/18	KCA	1	
Tetrachloroethene	557	*0.553*	3780	*3.75*	10/16/18	KCA	15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	10/12/18	KCA	1	1
Toluene	0.304	*0.266*	1.14	*1.00*	10/12/18	KCA	1	
Trans-1,2-Dichloroethene	0.550	*0.252*	2.18	*1.00*	10/12/18	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	10/12/18	KCA	1	
Trichloroethene	44.6	*0.372*	240	*2.00*	10/13/18	KCA	10	
Trichlorofluoromethane	0.421	*0.178*	2.36	*1.00*	10/12/18	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	10/12/18	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	10/12/18	KCA	1	
QA/QC Surrogates								
% Bromofluorobenzene	106	*%*	106	*%*	10/12/18	KCA	1	

Ver 1

Project ID: ENSAFE-WESTBURY
Client ID: SVE INFLUENT

Phoenix I.D.: CB70111

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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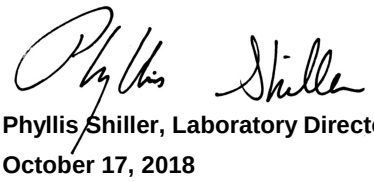

Phyllis Shiller, Laboratory Director
October 17, 2018
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 17, 2018

FOR: Attn: Mr. Jim Wilkinson
EnviroTrac
5 Old Dock Rd
Yaphank, NY 11980

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JW	10/05/18	12:26
Location Code:	ENVIROTR	Received by:	LB	10/11/18	16:00
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	835				

Laboratory Data

SDG ID: GCB70111
Phoenix ID: CB70112

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*	10/12/18	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	10/12/18	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	10/12/18	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	10/12/18	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	10/12/18	KCA	1	
1,1-Dichloroethene	0.323	*0.051*	1.28	*0.20*	10/12/18	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	10/12/18	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	10/12/18	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	10/12/18	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/12/18	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	10/12/18	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	10/12/18	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	10/12/18	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	10/12/18	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	10/12/18	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/12/18	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	10/12/18	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	10/12/18	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	10/12/18	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	10/12/18	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	10/12/18	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	10/12/18	KCA	1	
Acetone	9.22	*0.421*	21.9	*1.00*	10/12/18	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	10/12/18	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	10/12/18	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	10/12/18	KCA	1	

Project ID: ENSAFE-WESTBURY
Client ID: SVE EFFLUENT

Phoenix I.D.: CB70112

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	10/12/18	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	10/12/18	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	10/12/18	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	10/12/18	KCA	1	
Carbon Tetrachloride	ND	*0.032*	ND	*0.20*	10/12/18	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	10/12/18	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	10/12/18	KCA	1	
Chloroform	0.328	*0.205*	1.60	*1.00*	10/12/18	KCA	1	
Chloromethane	ND	*0.485*	ND	*1.00*	10/12/18	KCA	1	
Cis-1,2-Dichloroethene	256	*0.505*	1010	*2.00*	10/13/18	KCA	10	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	10/12/18	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	10/12/18	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	10/12/18	KCA	1	
Dichlorodifluoromethane	0.600	*0.202*	2.97	*1.00*	10/12/18	KCA	1	
Ethanol	1.52	*0.531*	2.86	*1.00*	10/12/18	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	10/12/18	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	10/12/18	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	10/12/18	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	10/12/18	KCA	1	
Hexane	ND	*0.284*	ND	*1.00*	10/12/18	KCA	1	
Isopropylalcohol	2.07	*0.407*	5.09	*1.00*	10/12/18	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	10/12/18	KCA	1	
m,p-Xylene	ND	*0.230*	ND	*1.00*	10/12/18	KCA	1	
Methyl Ethyl Ketone	1.69	*0.339*	4.98	*1.00*	10/12/18	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	10/12/18	KCA	1	
Methylene Chloride	ND	*0.864*	ND	*3.00*	10/12/18	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	10/12/18	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	10/12/18	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	10/12/18	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	10/12/18	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	10/12/18	KCA	1	
Tetrachloroethene	0.267	*0.037*	1.81	*0.25*	10/12/18	KCA	1	
Tetrahydrofuran	1.26	*0.339*	3.71	*1.00*	10/12/18	KCA	1	1
Toluene	ND	*0.266*	ND	*1.00*	10/12/18	KCA	1	
Trans-1,2-Dichloroethene	4.75	*0.252*	18.8	*1.00*	10/12/18	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	10/12/18	KCA	1	
Trichloroethene	ND	*0.037*	ND	*0.20*	10/12/18	KCA	1	
Trichlorofluoromethane	1.34	*0.178*	7.52	*1.00*	10/12/18	KCA	1	
Trichlorotrifluoroethane	1.97	*0.131*	15.1	*1.00*	10/12/18	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	10/12/18	KCA	1	
QA/QC Surrogates								
% Bromofluorobenzene	98	*%*	98	*%*	10/12/18	KCA	1	

Project ID: ENSAFE-WESTBURY
Client ID: SVE EFFLUENT

Phoenix I.D.: CB70112

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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 (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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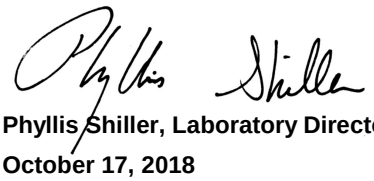

Phyllis Shiller, Laboratory Director
October 17, 2018
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 17, 2018

QA/QC Data

SDG I.D.: GCB70111

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 451806 (ppbv), QC Sample No: CB69451 (CB70111 (1X, 10X) , CB70112 (1X, 10X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.500	ND	3.43	105	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.500	ND	2.73	94	34.5	32.8	6.33	6.01	5.2	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43	112	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.500	ND	2.73	111	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.500	ND	2.02	92	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.500	ND	1.98	90	2.50	2.46	0.630	0.621	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.500	ND	3.71	124	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46	119	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.500	ND	3.84	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.500	ND	3.00	121	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.500	ND	2.02	94	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.500	ND	2.31	113	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.500	ND	3.49	96	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46	109	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.500	ND	1.11	89	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.500	ND	3.00	110	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.500	ND	3.00	113	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.500	ND	1.80	120	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.500	ND	2.05	134	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.500	ND	2.46	111	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.500	ND	2.74	103	2.77	2.75	0.505	0.502	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.500	ND	2.05	115	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.500	ND	1.19	87	59.6	55.6	25.1	23.4	7.0	70 - 130	25
Acrylonitrile	ND	0.500	ND	1.08	86	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.500	ND	1.60	85	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.500	ND	2.59	122	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.500	ND	3.35	110	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.500	ND	5.17	73	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.500	ND	1.94	97	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.500	ND	1.56	96	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.500	ND	3.14	97	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	0.500	ND	2.30	109	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.500	ND	1.32	89	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.500	ND	2.44	98	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.500	ND	1.03	86	1.29	1.29	0.624	0.623	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.500	ND	1.98	101	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.500	ND	2.27	110	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.500	ND	1.72	100	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.500	ND	4.26	105	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.500	ND	2.47	105	2.59	ND	0.525	ND	NC	70 - 130	25
Ethanol	ND	0.600	ND	1.13	112	166	172	87.9	91.3	3.8	70 - 130	25

QA/QC Data

SDG I.D.: GCB70111

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	0.500	ND	1.80	89	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.500	ND	2.17	116	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.500	ND	2.05	106	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.500	ND	5.33	115	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.500	ND	1.76	102	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.500	ND	1.23	91	14.2	14.6	5.80	5.93	2.2	70 - 130	25
Isopropylbenzene	ND	0.500	ND	2.46	102	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	1.00	ND	4.34	118	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.500	ND	1.47	98	2.81	2.66	0.955	0.904	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.500	ND	1.80	92	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.500	ND	1.74	83	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.500	ND	2.74	104	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.500	ND	2.17	117	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.500	ND	0.86	96	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.500	ND	2.74	103	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.500	ND	2.13	120	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.500	ND	3.39	106	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	0.500	ND	1.47	87	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.500	ND	1.88	107	3.72	3.71	0.989	0.984	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.500	ND	1.98	95	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.500	ND	2.27	113	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.500	ND	2.69	106	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.500	ND	2.81	95	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.500	ND	3.83	96	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.500	ND	1.28	87	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	97		97		105	94	95	94	95	NC	70 - 130	25
QA/QC Batch 452138 (ppbv), QC Sample No: CB69846 (CB70111 (15X))												
Volatiles												
Tetrachloroethene	ND	0.185	ND	1.25	111	23.6	23.2	3.48	3.42	1.7	70 - 130	25

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

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

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
October 17, 2018

Wednesday, October 17, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCB70111 - ENVIROTR

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

October 17, 2018 SDG I.D.: GCB70111

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

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860-645-1102 • Fax: 860-645-0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. #

Data Delivery:
☐ Fax #:
☑ Email: jameswl@envirotrac.com
☐ Phone #:

Report to: JIM WILKINSON
Customer: EnviroTrac
Address: 5 Old Dock Road
Yaphank, NY 11980

Invoice to: EnviroTrac

Sampled by: JIM WILKINSON

Project Name: ENSAFE-WESTBURY

Requested Deliverable:
RCP ☐ ASP CAT B ☐
MCP ☐ NJ Deliverables ☐

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
70111	SVE INFLUENT	733	1.4	-30	-4	NA	NA	12:30	12:31	10/5							✓
70112	SVE EFFLUENT	835	1.4	-30	-5	NA	NA	12:25	12:26	10/5							✓

Relinquished by: [signature] Date: 10-11-18 Time: 9:30

Accepted by: [signature] Date: 10-11-18 Time: 1100

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
(2) (1.4) GRAB

Requested Criteria

Quote Number:

Data Format:
Excel ☑ Equis ☐ Other ☑ (PDF)

Turnaround Time:
☐ 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: