ENSAFE
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October 10, 2019

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: September 2019
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#s 1-30043 I, L, M) for operation, maintenance, and monitoring (OM&M) activities completed in September 2019 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). No alarm calls were received in September 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 September 17, 2019, 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 [18,059 µg/m^3]) continue to indicate significant mass extraction.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800	ft^3/m
Compound	**Annual Mass Emission Limit (lbs/year)**	**Carbon Exchange Required Indicator Concentration ($\mu g/m^3$)[2]**	**September 2019 Effluent Concentration ($\mu g/m^3$)**
Trichloroethene	500	19,000	0.91
Tetrachloroethene	1,000	38,000	4.04
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene[1]	100	3,800	400

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 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 September 2019.

Individual samples were collected from each extraction well on September 25, 2019 and analyzed for VOCs; a summary of the detected values is provided below. Full results for this sampling event are provided in Appendix C.

Groundwater Extraction System Individual Extraction Well Data – Volatile Organic Compounds (ppb)				
Analyte	**EX-1A**	**EX-1B**	**EX-1C**	**EX-1D**
September 25, 2019				
1,1-Dichloroethane	ND	ND	ND	**0.39 J**
1,1-Dichloroethene	ND	ND	ND	**1.8 J**
Acetone	**12 B**	**9.8 B**	**9.8 B**	**7.4 B**
Bromomethane	**1.8 BJ**	**1.7 BJ**	**1.3 BJ**	**1.4 BJ**
Chloroform	ND	ND	ND	**0.70 J**
Tetrachloroethene	**76**	**460 D**	**170**	**84**
Trichloroethene	ND	**18**	**12**	**26**
Total VOCs	**89.8**	**489.5**	**193.1**	**121.94**

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 2019 Comprehensive Groundwater Report, which summarized data collected during the second quarter sampling event when all active Frost Street Sites' wells were sampled, was submitted on September 23, 2019. The third quarter 2019 groundwater sampling event was completed the week of September 16, 2019. The data will be submitted in a forthcoming report, once 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*
J. Vasquez, U.S. EPA *Via email to vazquez.julio@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
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: 5-Sep
Weather / Temp: Sunny / 70 DEG
Technician / Operator: JW

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

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	OFF	OFF	Sensaphone (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	ON	ON	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)	4500	884	Blower 1 Total Runtime (hrs)	56,029.3
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	54,228.5
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	34		VGAC-1 Influent PID (ppm)	5.0
VGAC-1 Effluent Vacuum ("H2O)	35		VGAC-1 Effluent PID (ppm)	0.0
VGAC-2 Influent Vacuum ("H2O)	30		VGAC-2 Influent PID (ppm)	5.0
VGAC-2 Effluent Vacuum ("H2O)	35		VGAC-2 Effluent PID (ppm)	0.0
VGAC-3 Influent Vacuum ("H2O)	40		VGAC-3 Influent PID (ppm)	0.0
VGAC-3 Effluent Vacuum ("H2O)	45		VGAC-3 Effluent PID (ppm)	0.0
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	0.0
Blower Effluent Pressure ("H2O)	15			
Transfer Pump Total Runtime (hrs)	25,035.9		Condensate Storage Tank Level (gal)	100

SVE Manifold Legs - Vacuum/Flow Rate/PID

	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	38	5500	120		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	30	3700	81	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	40	3500	76		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	30	2600	57	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	30	4200	92		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	32	5000	109	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	30	3700	81		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	30	3200	70	

Air Sparge System

Compressor 1 Pressure (psi)	Off for repairs	Compressor 2 Pressure (psi)	84
Compressor 1 Temperature (degF)	Off for repairs	Compressor 2 Temperature (degF)	216
Compressor 1 Runtime (hrs)	27,317	Compressor 2 Runtime (hrs)	34,555
Manifold Regulator Pressure (psi)	85		

AS Manifold Legs - Pressure/Flow Rate

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

Notes, Comments & Observations:

AS-4 pipe cracked on manifold, shut off.

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

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

Date: 11-Sep
Weather / Temp: Sunny / 85 DEG
Technician / Operator: JW

Arrival Time: 11:15
Departure Time: 11:45

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	OFF	OFF	Sensaphone (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	ON	ON	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)	4500	884	Blower 1 Total Runtime (hrs)	56,101.2
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	54,288.9
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	34		VGAC-1 Influent PID (ppm)	4.1
VGAC-1 Effluent Vacuum ("H2O)	35		VGAC-1 Effluent PID (ppm)	0.0
VGAC-2 Influent Vacuum ("H2O)	30		VGAC-2 Influent PID (ppm)	4.1
VGAC-2 Effluent Vacuum ("H2O)	35		VGAC-2 Effluent PID (ppm)	0.0
VGAC-3 Influent Vacuum ("H2O)	40		VGAC-3 Influent PID (ppm)	0.0
VGAC-3 Effluent Vacuum ("H2O)	45		VGAC-3 Effluent PID (ppm)	0.0
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	0.0
Blower Effluent Pressure ("H2O)	15			
Transfer Pump Total Runtime (hrs)	25,035.9		Condensate Storage Tank Level (gal)	100

SVE Manifold Legs - Vacuum/Flow Rate/PID

	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	36	6000	131		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	30	3700	81	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	38	3800	83		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	30	2600	57	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	30	4200	92		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	30	5500	120	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	28	3700	81		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	30	2600	57	

Air Sparge System

Compressor 1 Pressure (psi)	Off for repairs	Compressor 2 Pressure (psi)	89
Compressor 1 Temperature (degF)	Off for repairs	Compressor 2 Temperature (degF)	199
Compressor 1 Runtime (hrs)	27,317	Compressor 2 Runtime (hrs)	34,667
Manifold Regulator Pressure (psi)	84		

AS Manifold Legs - Pressure/Flow Rate

	Pressure	Flow Rate		Pressure	Flow Rate
AS-1 (psi)/(cfm)	16	8	AS-11 (psi)/(cfm)	15	0
AS-2 (psi)/(cfm)	16	5	AS-12B (psi)/(cfm)	16	5
AS-3 (psi)/(cfm)	15	5	AS-13B (psi)/(cfm)	15	6
AS-4 (psi)/(cfm)			AS-14 (psi)/(cfm)	16	10
AS-5 (psi)/(cfm)	16	5	AS-15 (psi)/(cfm)	15	8
AS-6 (psi)/(cfm)	16	5	AS-16B (psi)/(cfm)	15	8
AS-7 (psi)/(cfm)	15	4	AS-17 (psi)/(cfm)	16	4
AS-8 (psi)/(cfm)	15	7	AS-18 (psi)/(cfm)	16	4
AS-9 (psi)/(cfm)	16	7	AS-19 (psi)/(cfm)	15	4
AS-10B (psi)/(cfm)	15	8			

Notes, Comments & Observations:

AS-4 pipe cracked on manifold, shut off.

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: 17-Sep
Weather / Temp: Sunny / 85 DEG
Technician / Operator: JW

Arrival Time: 11:15
Departure Time: 11:45

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	OFF	OFF	Sensaphone (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	ON	ON	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)	56,172.3
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	54,370.6
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	34		VGAC-1 Influent PID (ppm)	3.7
VGAC-1 Effluent Vacuum ("H2O)	35		VGAC-1 Effluent PID (ppm)	0.0
VGAC-2 Influent Vacuum ("H2O)	30		VGAC-2 Influent PID (ppm)	3.7
VGAC-2 Effluent Vacuum ("H2O)	35		VGAC-2 Effluent PID (ppm)	0.0
VGAC-3 Influent Vacuum ("H2O)	40		VGAC-3 Influent PID (ppm)	0.0
VGAC-3 Effluent Vacuum ("H2O)	45		VGAC-3 Effluent PID (ppm)	0.0
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	0.0
Blower Effluent Pressure ("H2O)	15			
Transfer Pump Total Runtime (hrs)	25,035.9		Condensate Storage Tank Level (gal)	100

SVE Manifold Legs - Vacuum/Flow Rate/PID

	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	36	6000	131	2.8	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	29	3700	81	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	38	3500	76	6.2	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	30	2600	57	0.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	30	4200	92	1.4	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	28	5500	120	13.6
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	28	3700	81	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	30	2600	57	1.3

Air Sparge System

Compressor 1 Pressure (psi)	Off for repairs	Compressor 2 Pressure (psi)	89
Compressor 1 Temperature (degF)	Off for repairs	Compressor 2 Temperature (degF)	190
Compressor 1 Runtime (hrs)	27,317	Compressor 2 Runtime (hrs)	34,840
Manifold Regulator Pressure (psi)	80		

AS Manifold Legs - Pressure/Flow Rate

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

Notes, Comments & Observations:

AS-4 pipe cracked on manifold, shut off.

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: 25-Sep
Weather / Temp: Sunny / 75 DEG
Technician / Operator: JW

Arrival Time: 9:00
Departure Time: 9:45

System Status

	Arrival	Departure		Arrival	Departure
SVE Blower 1 (ON/OFF)	OFF	OFF	Sensaphone (ON/OFF)	ON	ON
SVE Blower 2 (ON/OFF)	ON	ON	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)	4150	815	Blower 1 Total Runtime (hrs)	56,267.6
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	54,466.6
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	3		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	34		VGAC-1 Influent PID (ppm)	3.7
VGAC-1 Effluent Vacuum ("H2O)	35		VGAC-1 Effluent PID (ppm)	0.0
VGAC-2 Influent Vacuum ("H2O)	30		VGAC-2 Influent PID (ppm)	3.7
VGAC-2 Effluent Vacuum ("H2O)	35		VGAC-2 Effluent PID (ppm)	0.0
VGAC-3 Influent Vacuum ("H2O)	40		VGAC-3 Influent PID (ppm)	0.0
VGAC-3 Effluent Vacuum ("H2O)	45		VGAC-3 Effluent PID (ppm)	0.0
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	0.0
Blower Effluent Pressure ("H2O)	15			
Transfer Pump Total Runtime (hrs)	25,035.9		Condensate Storage Tank Level (gal)	100

SVE Manifold Legs - Vacuum/Flow Rate/PID

	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	38	6000	131		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	30	3700	81	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	38	3500	76		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	30	2600	57	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	30	4200	92		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	30	5500	120	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	30	3700	81		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	30	2600	57	

Air Sparge System

Compressor 1 Pressure (psi)	Off for repairs	Compressor 2 Pressure (psi)	104
Compressor 1 Temperature (degF)	Off for repairs	Compressor 2 Temperature (degF)	199
Compressor 1 Runtime (hrs)	27,317	Compressor 2 Runtime (hrs)	34,953
Manifold Regulator Pressure (psi)	80		

AS Manifold Legs - Pressure/Flow Rate

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

Notes, Comments & Observations:

AS-4 pipe cracked on manifold, shut off.

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

PHOENIX
Environmental Laboratories, Inc.

Friday, September 20, 2019

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

Project ID: **ENSAFE- WESTBURY**
SDG ID: **GCE11799**
Sample ID#s: **CE11799 - CE11800**

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,

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

Sample Id Cross Reference

September 20, 2019

SDG I.D.: GCE11799

Project ID: ENSAFE- WESTBURY

Client Id	Lab Id	Matrix
SVE INFLUENT	CE11799	AIR
SVE EFFLUENT	CE11800	AIR

PHOENIX

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

September 20, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JW	09/17/19	10:21
Location Code:	ENVIROTR	Received by:	CP	09/18/19	14:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	729				

Laboratory Data

SDG ID: GCE11799
Phoenix ID: CE11799

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	*0.729*	ND	*5.00*	09/18/19	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	ND	*5.00*	09/18/19	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	09/18/19	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	ND	*5.00*	09/18/19	KCA	5	
1,1-Dichloroethane	ND	*1.24*	ND	*5.02*	09/18/19	KCA	5	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	09/18/19	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	ND	*5.00*	09/18/19	KCA	5	
1,2,4-Trimethylbenzene	ND	*1.02*	ND	*5.01*	09/18/19	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	ND	*5.00*	09/18/19	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	ND	*5.00*	09/18/19	KCA	5	
1,2-Dichloroethane	ND	*1.24*	ND	*5.02*	09/18/19	KCA	5	
1,2-dichloropropane	ND	*1.08*	ND	*4.99*	09/18/19	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	ND	*5.00*	09/18/19	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	ND	*5.01*	09/18/19	KCA	5	
1,3-Butadiene	ND	*2.26*	ND	*5.00*	09/18/19	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	ND	*5.00*	09/18/19	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	ND	*5.00*	09/18/19	KCA	5	
1,4-Dioxane	ND	*1.39*	ND	*5.01*	09/18/19	KCA	5	
2-Hexanone(MBK)	ND	*1.22*	ND	*4.99*	09/18/19	KCA	5	1
4-Ethyltoluene	ND	*1.02*	ND	*5.01*	09/18/19	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	ND	*5.00*	09/18/19	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	ND	*4.99*	09/18/19	KCA	5	
Acetone	3.08	*2.11*	7.31	*5.01*	09/18/19	KCA	5	
Acrylonitrile	ND	*2.31*	ND	*5.01*	09/18/19	KCA	5	
Benzene	ND	*1.57*	ND	*5.01*	09/18/19	KCA	5	
Benzyl chloride	ND	*0.966*	ND	*5.00*	09/18/19	KCA	5	

Project ID: ENSAFE- WESTBURY
Client ID: SVE INFLUENT

Phoenix I.D.: CE11799

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.747*	ND	*5.00*	09/18/19	KCA	5	
Bromoform	ND	*0.484*	ND	*5.00*	09/18/19	KCA	5	
Bromomethane	ND	*1.29*	ND	*5.01*	09/18/19	KCA	5	
Carbon Disulfide	ND	*1.61*	ND	*5.01*	09/18/19	KCA	5	
Carbon Tetrachloride	ND	*0.159*	ND	*1.00*	09/18/19	KCA	5	
Chlorobenzene	ND	*1.09*	ND	*5.01*	09/18/19	KCA	5	
Chloroethane	ND	*1.90*	ND	*5.01*	09/18/19	KCA	5	
Chloroform	ND	*1.02*	ND	*4.98*	09/18/19	KCA	5	
Chloromethane	ND	*2.42*	ND	*4.99*	09/18/19	KCA	5	
Cis-1,2-Dichloroethene	146	*0.252*	579	*1.00*	09/18/19	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	09/18/19	KCA	5	
Cyclohexane	ND	*1.45*	ND	*4.99*	09/18/19	KCA	5	
Dibromochloromethane	ND	*0.587*	ND	*5.00*	09/18/19	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	ND	*4.99*	09/18/19	KCA	5	
Ethanol	2.97	*2.66*	5.59	*5.01*	09/18/19	KCA	5	1
Ethyl acetate	ND	*1.39*	ND	*5.01*	09/18/19	KCA	5	1
Ethylbenzene	ND	*1.15*	ND	*4.99*	09/18/19	KCA	5	
Heptane	ND	*1.22*	ND	*5.00*	09/18/19	KCA	5	
Hexachlorobutadiene	ND	*0.469*	ND	*5.00*	09/18/19	KCA	5	
Hexane	ND	*1.42*	ND	*5.00*	09/18/19	KCA	5	
Isopropylalcohol	ND	*2.04*	ND	*5.01*	09/18/19	KCA	5	
Isopropylbenzene	ND	*1.02*	ND	*5.01*	09/18/19	KCA	5	
m,p-Xylene	ND	*1.15*	ND	*4.99*	09/18/19	KCA	5	
Methyl Ethyl Ketone	ND	*1.70*	ND	*5.01*	09/18/19	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	ND	*5.01*	09/18/19	KCA	5	
Methylene Chloride	ND	*4.32*	ND	*15.0*	09/18/19	KCA	5	
n-Butylbenzene	ND	*0.911*	ND	*5.00*	09/18/19	KCA	5	1
o-Xylene	ND	*1.15*	ND	*4.99*	09/18/19	KCA	5	
Propylene	ND	*2.91*	ND	*5.01*	09/18/19	KCA	5	1
sec-Butylbenzene	ND	*0.911*	ND	*5.00*	09/18/19	KCA	5	1
Styrene	ND	*1.17*	ND	*4.98*	09/18/19	KCA	5	
Tetrachloroethene	2390	*2.77*	16200	*18.8*	09/19/19	KCA	75	
Tetrahydrofuran	ND	*1.70*	ND	*5.01*	09/18/19	KCA	5	1
Toluene	ND	*1.33*	ND	*5.01*	09/18/19	KCA	5	
Trans-1,2-Dichloroethene	2.05	*1.26*	8.12	*4.99*	09/18/19	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	09/18/19	KCA	5	
Trichloroethene	238	*2.79*	1280	*15.0*	09/19/19	KCA	75	
Trichlorofluoromethane	ND	*0.891*	ND	*5.00*	09/18/19	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	ND	*5.00*	09/18/19	KCA	5	
Vinyl Chloride	ND	*0.391*	ND	*1.00*	09/18/19	KCA	5	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	104	*%*	104	*%*	09/18/19	KCA	1	
% IS-1,4-Difluorobenzene	74	*%*	74	*%*	09/18/19	KCA	1	
% IS-Bromochloromethane	82	*%*	82	*%*	09/18/19	KCA	1	
% IS-Chlorobenzene-d5	101	*%*	101	*%*	09/18/19	KCA	1	
% Bromofluorobenzene (5x)	104	*%*	104	*%*	09/18/19	KCA	5	
% IS-1,4-Difluorobenzene (5x)	74	*%*	74	*%*	09/18/19	KCA	5	
% IS-Bromochloromethane (5x)	82	*%*	82	*%*	09/18/19	KCA	5	
% IS-Chlorobenzene-d5 (5x)	101	*%*	101	*%*	09/18/19	KCA	5	

Ver 1

Project ID: ENSAFE- WESTBURY
Client ID: SVE INFLUENT

Phoenix I.D.: CE11799

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% Bromofluorobenzene (75x)	103	%	103	%	09/19/19	KCA	75
% IS-1,4-Difluorobenzene (75x)	100	%	100	%	09/19/19	KCA	75
% IS-Bromochloromethane (75x)	123	%	123	%	09/19/19	KCA	75
% IS-Chlorobenzene-d5 (75x)	82	%	82	%	09/19/19	KCA	75

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 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
September 20, 2019
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

September 20, 2019

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JW	09/17/19	10:16
Location Code:	ENVIROTR	Received by:	CP	09/18/19	14:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	768				

Laboratory Data

SDG ID: GCE11799
Phoenix ID: CE11800

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*	09/18/19	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	09/18/19	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	09/18/19	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	09/18/19	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	09/18/19	KCA	1	
1,1-Dichloroethene	0.104	*0.051*	0.41	*0.20*	09/18/19	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	09/18/19	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	09/18/19	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	09/18/19	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/18/19	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	09/18/19	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	09/18/19	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	09/18/19	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	09/18/19	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	09/18/19	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/18/19	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	09/18/19	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	09/18/19	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	09/18/19	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	09/18/19	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	09/18/19	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	09/18/19	KCA	1	
Acetone	2.45	*0.421*	5.82	*1.00*	09/18/19	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	09/18/19	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	09/18/19	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	09/18/19	KCA	1	

Project ID: ENSAFE- WESTBURY
Client ID: SVE EFFLUENT

Phoenix I.D.: CE11800

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	09/18/19	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	09/18/19	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	09/18/19	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	09/18/19	KCA	1	
Carbon Tetrachloride	ND	*0.032*	ND	*0.20*	09/18/19	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	09/18/19	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	09/18/19	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	09/18/19	KCA	1	
Chloromethane	ND	*0.485*	ND	*1.00*	09/18/19	KCA	1	
Cis-1,2-Dichloroethene	101	*0.252*	400	*1.00*	09/18/19	KCA	5	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	09/18/19	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	09/18/19	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	09/18/19	KCA	1	
Dichlorodifluoromethane	0.355	*0.202*	1.75	*1.00*	09/18/19	KCA	1	
Ethanol	2.10	*0.531*	3.95	*1.00*	09/18/19	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	09/18/19	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	09/18/19	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	09/18/19	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	09/18/19	KCA	1	
Hexane	ND	*0.284*	ND	*1.00*	09/18/19	KCA	1	
Isopropylalcohol	1.33	*0.407*	3.27	*1.00*	09/18/19	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	09/18/19	KCA	1	
m,p-Xylene	ND	*0.230*	ND	*1.00*	09/18/19	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	ND	*1.00*	09/18/19	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	09/18/19	KCA	1	
Methylene Chloride	ND	*0.864*	ND	*3.00*	09/18/19	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	09/18/19	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	09/18/19	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	09/18/19	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	09/18/19	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	09/18/19	KCA	1	
Tetrachloroethene	0.596	*0.037*	4.04	*0.25*	09/18/19	KCA	1	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	09/18/19	KCA	1	1
Toluene	ND	*0.266*	ND	*1.00*	09/18/19	KCA	1	
Trans-1,2-Dichloroethene	1.74	*0.252*	6.89	*1.00*	09/18/19	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	09/18/19	KCA	1	
Trichloroethene	0.169	*0.037*	0.91	*0.20*	09/18/19	KCA	1	
Trichlorofluoromethane	0.966	*0.178*	5.42	*1.00*	09/18/19	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	09/18/19	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	09/18/19	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	96	*%*	96	*%*	09/18/19	KCA	1	
% IS-1,4-Difluorobenzene	94	*%*	94	*%*	09/18/19	KCA	1	
% IS-Bromochloromethane	70	*%*	70	*%*	09/18/19	KCA	1	
% IS-Chlorobenzene-d5	100	*%*	100	*%*	09/18/19	KCA	1	
% Bromofluorobenzene (5x)	93	*%*	93	*%*	09/18/19	KCA	5	
% IS-1,4-Difluorobenzene (5x)	104	*%*	104	*%*	09/18/19	KCA	5	
% IS-Bromochloromethane (5x)	87	*%*	87	*%*	09/18/19	KCA	5	
% IS-Chlorobenzene-d5 (5x)	109	*%*	109	*%*	09/18/19	KCA	5	

Project ID: ENSAFE- WESTBURY
Client ID: SVE EFFLUENT

Phoenix I.D.: CE11800

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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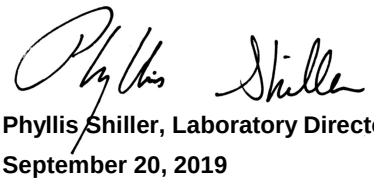

Phyllis Shiller, Laboratory Director

September 20, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

September 20, 2019

QA/QC Data

SDG I.D.: GCE11799

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 497632 (ppbv), QC Sample No: CE11059 (CE11799 (5X, 75X) , CE11800 (1X, 5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.200	ND	1.37	94	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.200	ND	1.09	95	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37	95	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.200	ND	1.09	95	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.200	ND	0.81	100	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.200	ND	0.79	87	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	90	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	113	1.30	1.24	0.264	0.253	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.200	ND	1.54	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.200	ND	1.20	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.200	ND	0.81	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.200	ND	0.92	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	68	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.452	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.200	ND	1.20	91	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.200	ND	1.20	100	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.278	ND	1.00	119	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.244	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.204	ND	1.00	103	1.10	1.03	0.224	0.209	NC	70 - 130	25
4-Isopropyltoluene	ND	0.182	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	103	1.49	1.48	0.363	0.361	NC	70 - 130	25
Acetone	ND	0.421	ND	1.00	84	15.6	15.4	6.59	6.48	1.7	70 - 130	25
Acrylonitrile	ND	0.461	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.313	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.193	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.200	ND	1.34	103	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.200	ND	2.07	100	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.200	ND	0.78	85	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.321	ND	1.00	88	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.200	ND	1.26	99	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	0.200	ND	0.92	102	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.200	ND	0.53	85	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.200	ND	0.41	94	0.64	0.63	0.312	0.307	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.291	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.200	ND	1.70	99	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	81	2.10	2.14	0.424	0.433	NC	70 - 130	25
Ethanol	ND	0.531	ND	1.00	89	48.8	46.9	25.9	24.9	3.9	70 - 130	25

QA/QC Data

SDG I.D.: GCE11799

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	0.278	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.244	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	72	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.284	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.407	ND	1.00	87	16.3	15.9	6.64	6.49	2.3	70 - 130	25
Isopropylbenzene	ND	0.204	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	111	2.17	2.03	0.501	0.468	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.339	ND	1.00	92	7.87	7.43	2.67	2.52	5.8	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.200	ND	0.69	82	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.182	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	119	1.01	ND	0.232	ND	NC	70 - 130	25
Propylene	ND	0.581	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.182	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.235	ND	1.00	110	1.66	1.56	0.390	0.367	NC	70 - 130	25
Tetrachloroethene	ND	0.200	ND	1.36	102	1.55	1.42	0.229	0.210	NC	70 - 130	25
Tetrahydrofuran	ND	0.339	ND	1.00	101	17.2	16.7	5.83	5.67	2.8	70 - 130	25
Toluene	ND	0.266	ND	1.00	112	3.37	3.25	0.895	0.863	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.200	ND	0.79	95	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.200	ND	0.91	99	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.200	ND	1.07	108	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.200	ND	1.12	80	1.48	ND	0.263	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.200	ND	1.53	86	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.200	ND	0.51	88	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	94	%	94	%	101	95	93	95	93	NC	70 - 130	25
% IS-1,4-Difluorobenzene	121	%	121	%	86	107	109	107	109	NC	60 - 140	25
% IS-Bromochloromethane	128	%	128	%	79	102	106	102	106	NC	60 - 140	25
% IS-Chlorobenzene-d5	118	%	118	%	89	106	111	106	111	NC	60 - 140	25

l = 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
September 20, 2019

Friday, September 20, 2019

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCE11799 - 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

September 20, 2019 SDG I.D.: GCE11799

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 · Fax: 860.645.0823
800-827-5426
email: greg@phoenixlabs.com

P.O. # | Page 1 of 1

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

Report to: James Wilkinson
Customer: EnviroTrac
Address: 5 Old Dock Rd
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	
11799	SVE Influent	729	1.4	-30		NA	NA	10:20	10:21	9/17							✓
11800	SVE Effluent	768	1.4	-30		NA	NA	10:15	10:16	9/17							✓

Relinquished by:	Accepted by:	Date:	Time:
		9-18-19	9:15
		9-18-19	14:20

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

Requested Criteria

Quote Number:

Data Format:
Excel ☑ Equis ☐ GISKey ☐
PDF ☑ Other: ☐

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:

Appendix C
Groundwater Extraction Well Sampling
Laboratory Analytical Results

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

October 08, 2019

Jim Wilkinson
Envirotrac
5 Old Dock Road
Yaphank, NY 11980
TEL: (631) 924-3001
FAX (631) 924-5001

RE: Frost Street OU2, 101 Frost Street, Westbu Order No.: 1909140

Dear Jim Wilkinson:

American Analytical Laboratories, LLC. received 4 sample(s) on 9/25/2019 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director
American Analytical Laboratories, LLC.

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Workorder Sample Summary

WO#: **1909140**

08-Oct-19

CLIENT: Envirotrac

Project: Frost Street OU2, 101 Frost Street, Westbury, N

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1909140-001A	EX-1A		9/25/2019 11:20:00 AM	9/25/2019 1:05:00 PM	Liquid
1909140-002A	EX-1B		9/25/2019 11:30:00 AM	9/25/2019 1:05:00 PM	Liquid
1909140-003A	EX-1C		9/25/2019 11:40:00 AM	9/25/2019 1:05:00 PM	Liquid
1909140-004A	EX-1D		9/25/2019 11:50:00 AM	9/25/2019 1:05:00 PM	Liquid

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
www.american-analytical.com

CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information			Project Information			Analytical Information
Company Name EnviroTrac			**Project Name** Frost Street OU2			
Address 5 Old Dock Road			**Street** 101 Frost Street			
City Yaphank	**State** NY	**Zip** 11980	**City** Westbury	**State** NY	**Zip**	
Project Contact Jim Wilkinson			**Project #**			
Phone # 631-924-3001			**Sampler's Name / Company** Matt Stein / ETNY			
E-mail jamesw@envirotrac.com			**Sampler's Signature**			

LAB SAMPLE # (LAB USE ONLY)	Sample Information			Sample Collection			Sample Containers									Analytical Information
								Number of Each Preserved Bottle								
	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER	
1909140-001A	EX-1A	G	L	9/25/19	1120	GL	3		3							VOCS - EPA 624
002A	EX-1B	G	L	9/25/19	1130	GL	3		3							VOCS - EPA 624
003A	EX-1C	G	L	9/25/19	1140	GL	3		3							VOCS - EPA 624
004A	EX-1D	G	L	9/25/19	1150	GL	3		3							VOCS - EPA 624

Turnaround Time (Business Days)

- [✓] Standard 7-10 Business Days
- [ ] 3 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 1 Day *RUSH*

SAMPLE TYPE

G = Grab
C = Composite
B = Blank

MATRIX CODES

L = Liquid PC = Paint Chip
S = Soil SL = Sludge
O = Oil SD = Solid
W = Wipe M = Miscellaneous

Comments / Remarks

Cooler Temp: 4°

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE 9/25/19 TIME 1305	PRINTED NAME Matthew Stein	RECEIVED BY LAB (SIGNATURE)	DATE 9/25/2019 TIME 1305	PRINTED NAME J Mullaney
RELINQUISHED BY (SIGNATURE)	DATE TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE TIME	PRINTED NAME

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Sample Log-In Check List

Client Name: ENVIROTRAC Work Order Number: 1909140 RcptNo: 1

Logged by:	Jenny Mullady	9/25/2019 1:05:00 PM	Jenny Mullady
Completed By:	Jenny Mullady	9/25/2019 1:31:33 PM	Jenny Mullady
Reviewed By:	Lori Beyer	9/25/2019 1:59:30 PM	Lori Beyer

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
	No. Seal Date:	Signed By:		
5.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
6.	Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
7.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
8.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
9.	Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
10.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
11.	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?	Yes ☑	No ☐	No VOA Vials ☐
12.	Were any sample containers received broken?	Yes ☐	No ☑	
13.	Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
14.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
15.	Is it clear what analyses were requested?	Yes ☑	No ☐	
16.	Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

Special Handling (if applicable)

17.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified:	Jim Wilkinson	Date	4/26/2019
By Whom:	Lori Beyer	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	EX-1D 625?		
Client Instructions:	no, 624 required.		

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Case Narrative

WO#: **1909140**
Date: **10/8/2019**

CLIENT: Envirotrac
Project: Frost Street OU2, 101 Frost Street, Westbury, N

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion.

Volatile LCS are analyzed with preservatives - HCL/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Definition Only

WO#: **1909140**
Date: **10/8/2019**

Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports
ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <5x the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.
LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.
LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
PQL - Practical Quantitation Limit; the lowest level that can be reliably achieved within the specific limits of Precision and accuracy. Listed on the QC Summary Forms.
m - Analyte was manually integrated for GC/MS.
+ - Concentration exceeds regulatory level for TCLP

American Analytical Laboratories, LLC.

Date: *08-Oct-19*

ELAP ID : 11418

CLIENT:	Envirotrac	**Client Sample ID:**	EX-1A
Lab Order:	1909140	**Collection Date:**	9/25/2019 11:20:00 AM
Project:	Frost Street OU2, 101 Frost Street, Westbury, N	**Matrix:**	LIQUID
Lab ID:	1909140-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE EPA METHOD 624.1			**E624.1**		**E624.1**		Analyst: **KSS**
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
2-Chloroethyl vinyl ether	ND	10	20	U	µg/L	1	10/4/2019 1:56:00 PM
Benzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Bromoform	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Bromomethane	1.8	0.25	2.0	BJ	µg/L	1	10/4/2019 1:56:00 PM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Chloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Chloroform	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Chloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Methylene chloride	ND	5.0	5.0	U	µg/L	1	10/4/2019 1:56:00 PM
Naphthalene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Tetrachloroethene	76	0.25	2.0		µg/L	1	10/4/2019 1:56:00 PM
Toluene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Trichloroethene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
Xylenes, Total	ND	0.60	6.0	U	µg/L	1	10/4/2019 1:56:00 PM

American Analytical Laboratories, LLC.

Date: *08-Oct-19*

ELAP ID : 11418

CLIENT:	Envirotrac	**Client Sample ID:**	EX-1A
Lab Order:	1909140	**Collection Date:**	9/25/2019 11:20:00 AM
Project:	Frost Street OU2, 101 Frost Street, Westbury, N	**Matrix:**	LIQUID
Lab ID:	1909140-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE EPA METHOD 624.1			**E624.1**		**E624.1**		Analyst: **KSS**
Acetone	12	5.0	5.0	B	µg/L	1	10/4/2019 1:56:00 PM
m,p-Xylene	ND	0.40	4.0	U	µg/L	1	10/4/2019 1:56:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM
o-Xylene	ND	0.25	2.0	U	µg/L	1	10/4/2019 1:56:00 PM

American Analytical Laboratories, LLC.

Date: *08-Oct-19*

ELAP ID : 11418

CLIENT: Envirotrac
Client Sample ID: EX-1B
Lab Order: 1909140
Collection Date: 9/25/2019 11:30:00 AM
Project: Frost Street OU2, 101 Frost Street, Westbury, N
Matrix: LIQUID
Lab ID: 1909140-002A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE EPA METHOD 624.1			**E624.1**		**E624.1**		Analyst: **KSS**
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
2-Chloroethyl vinyl ether	ND	10	20	U	µg/L	1	10/4/2019 2:28:00 PM
Benzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Bromoform	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Bromomethane	1.7	0.25	2.0	BJ	µg/L	1	10/4/2019 2:28:00 PM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Chloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Chloroform	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Chloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Methylene chloride	ND	5.0	5.0	U	µg/L	1	10/4/2019 2:28:00 PM
Naphthalene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Tetrachloroethene	460	2.5	20	D	µg/L	10	10/7/2019 4:21:00 PM
Toluene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Trichloroethene	18	0.25	2.0		µg/L	1	10/4/2019 2:28:00 PM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
Xylenes, Total	ND	0.60	6.0	U	µg/L	1	10/4/2019 2:28:00 PM

American Analytical Laboratories, LLC.

Date: *08-Oct-19*

ELAP ID : 11418

CLIENT:	Envirotrac	**Client Sample ID:**	EX-1B
Lab Order:	1909140	**Collection Date:**	9/25/2019 11:30:00 AM
Project:	Frost Street OU2, 101 Frost Street, Westbury, N	**Matrix:**	LIQUID
Lab ID:	1909140-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE EPA METHOD 624.1			**E624.1**		**E624.1**		Analyst: **KSS**
Acetone	9.8	5.0	5.0	B	µg/L	1	10/4/2019 2:28:00 PM
m,p-Xylene	ND	0.40	4.0	U	µg/L	1	10/4/2019 2:28:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM
o-Xylene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:28:00 PM

American Analytical Laboratories, LLC.

Date: *08-Oct-19*

ELAP ID : 11418

CLIENT:	Envirotrac	**Client Sample ID:**	EX-1C
Lab Order:	1909140	**Collection Date:**	9/25/2019 11:40:00 AM
Project:	Frost Street OU2, 101 Frost Street, Westbury, N	**Matrix:**	LIQUID
Lab ID:	1909140-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE EPA METHOD 624.1			**E624.1**		**E624.1**		Analyst: **KSS**
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
2-Chloroethyl vinyl ether	ND	10	20	U	µg/L	1	10/4/2019 2:59:00 PM
Benzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Bromoform	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Bromomethane	1.3	0.25	2.0	BJ	µg/L	1	10/4/2019 2:59:00 PM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Chloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Chloroform	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Chloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Methylene chloride	ND	5.0	5.0	U	µg/L	1	10/4/2019 2:59:00 PM
Naphthalene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Tetrachloroethene	170	0.25	2.0		µg/L	1	10/4/2019 2:59:00 PM
Toluene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Trichloroethene	12	0.25	2.0		µg/L	1	10/4/2019 2:59:00 PM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
Xylenes, Total	ND	0.60	6.0	U	µg/L	1	10/4/2019 2:59:00 PM

American Analytical Laboratories, LLC.

Date: *08-Oct-19*

ELAP ID : 11418

CLIENT:	Envirotrac	**Client Sample ID:**	EX-1C
Lab Order:	1909140	**Collection Date:**	9/25/2019 11:40:00 AM
Project:	Frost Street OU2, 101 Frost Street, Westbury, N	**Matrix:**	LIQUID
Lab ID:	1909140-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE EPA METHOD 624.1			**E624.1**		**E624.1**		Analyst: **KSS**
Acetone	9.8	5.0	5.0	B	µg/L	1	10/4/2019 2:59:00 PM
m,p-Xylene	ND	0.40	4.0	U	µg/L	1	10/4/2019 2:59:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM
o-Xylene	ND	0.25	2.0	U	µg/L	1	10/4/2019 2:59:00 PM

American Analytical Laboratories, LLC.

Date: *08-Oct-19*

ELAP ID : 11418

CLIENT:	Envirotrac	**Client Sample ID:**	EX-1D
Lab Order:	1909140	**Collection Date:**	9/25/2019 11:50:00 AM
Project:	Frost Street OU2, 101 Frost Street, Westbury, N	**Matrix:**	LIQUID
Lab ID:	1909140-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE EPA METHOD 624.1			**E624.1**		**E624.1**		Analyst: **KSS**
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
1,1-Dichloroethane	0.39	0.25	2.0	J	µg/L	1	10/4/2019 3:30:00 PM
1,1-Dichloroethene	1.8	0.25	2.0	J	µg/L	1	10/4/2019 3:30:00 PM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
2-Chloroethyl vinyl ether	ND	10	20	U	µg/L	1	10/4/2019 3:30:00 PM
Benzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Bromoform	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Bromomethane	1.4	0.25	2.0	BJ	µg/L	1	10/4/2019 3:30:00 PM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Chloroethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Chloroform	0.70	0.25	2.0	J	µg/L	1	10/4/2019 3:30:00 PM
Chloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Methylene chloride	ND	5.0	5.0	U	µg/L	1	10/4/2019 3:30:00 PM
Naphthalene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Tetrachloroethene	84	0.25	2.0		µg/L	1	10/4/2019 3:30:00 PM
Toluene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Trichloroethene	26	0.25	2.0		µg/L	1	10/4/2019 3:30:00 PM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
Xylenes, Total	ND	0.60	6.0	U	µg/L	1	10/4/2019 3:30:00 PM

American Analytical Laboratories, LLC.

Date: *08-Oct-19*

ELAP ID : 11418

CLIENT:	Envirotrac	**Client Sample ID:**	EX-1D
Lab Order:	1909140	**Collection Date:**	9/25/2019 11:50:00 AM
Project:	Frost Street OU2, 101 Frost Street, Westbury, N	**Matrix:**	LIQUID
Lab ID:	1909140-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE EPA METHOD 624.1			**E624.1**		**E624.1**		Analyst: **KSS**
Acetone	7.4	5.0	5.0	B	µg/L	1	10/4/2019 3:30:00 PM
m,p-Xylene	ND	0.40	4.0	U	µg/L	1	10/4/2019 3:30:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM
o-Xylene	ND	0.25	2.0	U	µg/L	1	10/4/2019 3:30:00 PM