July 10, 2020

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: June 2020
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 June 2020 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). Two alarm calls were received in June 2020 due to the Hydrovane overheating; these alarms were rectified by adding oil, performing maintenance, and restarting the Hydrovane.

- Quantitative sampling of the SVE system granular activated carbon influent and effluent air flow was conducted on June 30, 2020, 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, and cis-1,2-dichloroethene [4,455 µg/m^3]) continue to indicate significant mass extraction.

  - Effluent concentrations are below the carbon exchange indicator concentrations, as shown below.

Frost Street Sites Effluent Compliance			
System Flow Rate =		800	ft^3/min
Compound	**Annual Mass Emission Limit[1] (lbs/year)**	**Carbon Exchange Required Indicator Concentration ($\mu g/m^3$)[2]**	**June 2020 Effluent Concentration ($\mu g/m^3$)**
Trichloroethene	500	19,000	1.29
Tetrachloroethene	1,000	38,000	4.43
Vinyl Chloride	100	3,800	ND
Cis-1,2-Dichloroethene[3]	100	3,800	80.7

Notes:

ft/min cubic feet per minute

lbs/year pounds per year

$\mu g/m^3$ micrograms per cubic meter

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

2 These limits were calculated based on Frost Street-specific system operations (i.e., flow rate) in order to remain below the annual HTAC emissions listed in Part 212-2.2 Table 2. Remaining below these concentrations ensures that annual emissions will not exceed the limit which demonstrates compliance with Part 212 without having to perform compound-specific analyses.

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

Groundwater Extraction System – Operable Unit 2

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

Discharge permit compliance samples were collected on June 30, 2020; results will be submitted to Nassau County in a semi-annual compliance report in July 2020. All results will in compliance with the permit limits. At this time, individual samples were also collected from each extraction well and analyzed for VOCs; a summary of the detected values is provided below. Samples were also collected on March 31, 2020; these results were inadvertently omitted from the March 2020 report but are provided below. This data continues to indicate significant mass extraction. Full results for these events are provided in Appendix C; historical data is graphed in Appendix D.

Groundwater Extraction System Individual Extraction Well Data – Volatile Organic Compounds (ppb)				
Analyte	**EX-1A**	**EX-1B**	**EX-1C**	**EX-1D**
March 31, 2020				
1,1,1-Trichloroethane	ND	ND	ND	**0.25**
1,1-Dichloroethane	ND	ND	ND	**0.29**
1,1-Dichloroethene	ND	ND	**0.3**	**1.4**
Carbon Tetrachloride	ND	ND	ND	**0.92**
Chloroform	ND	ND	ND	**0.65**
cis-1,2-Dichloroethene	**4**	**11**	**2.5**	**3.6**
Tetrachloroethene	**74**	**360**	**97**	**81**
Trichloroethene	**5.8**	**17**	**7.2**	**21**
Total VOCs	**83.8**	**388**	**107**	**109.11**

Groundwater Extraction System Individual Extraction Well Data – Volatile Organic Compounds (ppb)				
Analyte	**EX-1A**	**EX-1B**	**EX-1C**	**EX-1D**
June 30, 2020				
1,1-Dichloroethane	ND	ND	ND	**0.27**
1,1-Dichloroethene	ND	ND	**0.33**	**1.5**
Carbon Tetrachloride	ND	ND	ND	**0.88**
Chloroform	ND	ND	ND	**0.62**
cis-1,2-Dichloroethene	**3.5**	**7.7**	**1.8**	**3.5**
Tetrachloroethene	**73**	**280**	**98**	**81**
Trichloroethene	**5.5**	**12**	**6.7**	**21**
Total VOCs	**82**	**299.7**	**106.83**	**108.87**

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.

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:	8-Jun	**Arrival Time:**	15:00
Weather / Temp:	Clear / 75 DEG	**Departure Time:**	16:00
Technician / Operator:	JW		

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)	59,374.4
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	56,864.8
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	0
Moisture Separator Vacuum ("Hg)	2.5		Blower 2 Air Filter Differential Pressure ("H2O)	0
VGAC-1 Influent Vacuum ("H2O)	58		VGAC-1 Influent PID (ppm)	6.0
VGAC-1 Effluent Vacuum ("H2O)	60		VGAC-1 Effluent PID (ppm)	1.2
VGAC-2 Influent Vacuum ("H2O)	52		VGAC-2 Influent PID (ppm)	6.0
VGAC-2 Effluent Vacuum ("H2O)	64		VGAC-2 Effluent PID (ppm)	1.2
VGAC-3 Influent Vacuum ("H2O)	70		VGAC-3 Influent PID (ppm)	1.2
VGAC-3 Effluent Vacuum ("H2O)	75		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)	25,041.0		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)	42	6800	148		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	34	4000	87	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	4000	87		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	36	2900	63	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	36	4700	103		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	34	6000	131	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	34	4200	92		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	36	3000	65	

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)	181
Compressor 1 Runtime (hrs)	27,317	Compressor 2 Runtime (hrs)	39,283
Manifold Regulator Pressure (psi)	70		

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

Notes, Comments & Observations:

Hydrovane high temp alarm on upon arrival.

Added oil to Hydrovane, restarted.

Inspection, Maintenance, Lubrication Schedule

Ensafe-Frost Street
101 Frost Street
Westbury, NY

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

Date: 8-Jun
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW

Arrival Time: 15:00
Departure Time: 16:00

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	N	Off for repairs.
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	
-Lubricate	As Required	Y	Added oil.
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

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

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

Date:	15-Jun	**Arrival Time:**	15:00
Weather / Temp:	Clear / 75 DEG	**Departure Time:**	16:00
Technician / Operator:	JW		

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)	OFF	OFF			

Soil Vapor Extraction System				
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4800	942	Blower 1 Total Runtime (hrs)	59,459.0
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	56,945.5
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)	58		VGAC-1 Influent PID (ppm)	3.0
VGAC-1 Effluent Vacuum ("H2O)	60		VGAC-1 Effluent PID (ppm)	1.0
VGAC-2 Influent Vacuum ("H2O)	52		VGAC-2 Influent PID (ppm)	3.0
VGAC-2 Effluent Vacuum ("H2O)	64		VGAC-2 Effluent PID (ppm)	1.0
VGAC-3 Influent Vacuum ("H2O)	70		VGAC-3 Influent PID (ppm)	1.0
VGAC-3 Effluent Vacuum ("H2O)	75		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)	25,041.0		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)	42	6800	148		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	34	4000	87	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	4000	87		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	34	2900	63	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	35	4700	103		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	34	6000	131	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	35	4200	92		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	34	3000	65	

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)	39,285
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:

Hydrovane high temp alarm on upon arrival, lost all oil.

Blower 1 off upon arrival due to thermal overload. Blower belts are torn and blower will not turn due to probable bearing failure.

Inspection, Maintenance, Lubrication Schedule
Ensafe-Frost Street
101 Frost Street
Westbury, NY

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

Date: 15-Jun
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW

Arrival Time: 15:00
Departure Time: 16:00

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	N	Off for repairs.
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	Off for repairs.
-Lubricate	As Required	N	Lost all oil.
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

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

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

Date:	26-Jun	**Arrival Time:**	15:00
Weather / Temp:	Clear / 75 DEG	**Departure Time:**	16:00
Technician / Operator:	JW		

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)	OFF	OFF			

Soil Vapor Extraction System				
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4800	942	Blower 1 Total Runtime (hrs)	59,459.0
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	57,161.2
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)	58		VGAC-1 Influent PID (ppm)	2.0
VGAC-1 Effluent Vacuum ("H2O)	60		VGAC-1 Effluent PID (ppm)	1.0
VGAC-2 Influent Vacuum ("H2O)	52		VGAC-2 Influent PID (ppm)	2.0
VGAC-2 Effluent Vacuum ("H2O)	64		VGAC-2 Effluent PID (ppm)	1.0
VGAC-3 Influent Vacuum ("H2O)	70		VGAC-3 Influent PID (ppm)	1.0
VGAC-3 Effluent Vacuum ("H2O)	75		VGAC-3 Effluent PID (ppm)	0.5
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	0.5
Blower Effluent Pressure ("H2O)	10			
Transfer Pump Total Runtime (hrs)	25,041.0		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)	40	7000	153		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	35	4000	87	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	4000	87		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	34	3000	65	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	35	4500	98		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	34	6000	131	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	35	4000	87		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	34	3000	65	

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)	39,285
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:

Hydrovane off for repairs.

Blower 1 off for repairs.

Inspection, Maintenance, Lubrication Schedule
Ensafe-Frost Street
101 Frost Street
Westbury, NY

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

Date: 26-Jun
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW

Arrival Time: 15:00
Departure Time: 16:00

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	N	Off for repairs.
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	Off for repairs.
-Lubricate	As Required	N	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

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

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

Date:	30-Jun	**Arrival Time:**	9:00
Weather / Temp:	Clear / 75 DEG	**Departure Time:**	11:30
Technician / Operator:	JW, MS		

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)	OFF	OFF			

Soil Vapor Extraction System				
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4600	903	Blower 1 Total Runtime (hrs)	59,459.0
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	57,251.9
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)	58		VGAC-1 Influent PID (ppm)	1.7
VGAC-1 Effluent Vacuum ("H2O)	60		VGAC-1 Effluent PID (ppm)	1.2
VGAC-2 Influent Vacuum ("H2O)	52		VGAC-2 Influent PID (ppm)	1.7
VGAC-2 Effluent Vacuum ("H2O)	64		VGAC-2 Effluent PID (ppm)	1.2
VGAC-3 Influent Vacuum ("H2O)	70		VGAC-3 Influent PID (ppm)	1.2
VGAC-3 Effluent Vacuum ("H2O)	75		VGAC-3 Effluent PID (ppm)	1.1
VGAC-3 Influent Temp (DegF)	NA		Blower Effluent PID (ppm)	1.1
Blower Effluent Pressure ("H2O)	10			
Transfer Pump Total Runtime (hrs)	25,041.0		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)	42	6500	142	1.7	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	34	4000	87	1.1
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	4000	87	2.1	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	34	2800	61	1.6
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	35	4600	100	1.3	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	34	6000	131	4.4
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	33	4100	89	1.3	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	35	2900	63	1.6

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)	39,285
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:

Hydrovane off for repairs.

Blower 1 off for repairs.

Collected monthly air samples.

Inspection, Maintenance, Lubrication Schedule
Ensafe-Frost Street
101 Frost Street
Westbury, NY

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

Date: 30-Jun
Weather / Temp: Clear / 75 DEG
Technician / Operator: JW, MS

Arrival Time: 9:00
Departure Time: 11:30

Maintenance Item	Perform	Completed (yes/no)	Comments
SVE Blower B-1			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Blower B-2			
-Inspect	Weekly	Y	
-Lubricate	As Required	N	
-Inspect Air Filter	Weekly	Y	
-Amp Draw	Quarterly	N	
-Inspect Belts	Weekly	Y	
SVE Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
Phase Separator/Storage Tank			
-Inspect	Weekly	Y	
-Check Level Switches	As Required	Y	
-Inspect water storage tank	Weekly	Y	
-Pump water to sewer drain	As Required	Y	
AS Compressor 1			
-Inspect	Weekly	N	Off for repairs.
-Lubricate	As Required	N	
-Inspect Filters	Weekly	N	
-Amp Draw	Quarterly	N	
AS Compressor 2			
-Inspect	Weekly	Y	Off for repairs.
-Lubricate	As Required	N	
-Inspect Filters	Weekly	Y	
-Amp Draw	Quarterly	N	
AS Piping			
-Inspect	Weekly	Y	
-Valves	Weekly	Y	
-Drain Filters/Collectors	Weekly	Y	
-Drain Pressure Tank	Weekly	Y	

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

Alarm Date	Site Visit Date	Personnel	ALARM DESCRIPTION	Corrective Action	SVE Status Upon Departure	AS Status Upon Departure
6/8/2020	6/8/2020	JW	AS Compressor High Temp	Added oil, restarted.	ON	ON
6/15/2020	6/15/2020	JW	AS Compressor High Temp, Lost all oil purchase for semi-annual maintenance event.	Replace oil, blow out heat exchanger and change air intake filter,	OFF	ON (Blower #2 Only)
6/15/2020	6/15/2020	JW	SVE Blower #1 not working due to bad blower bearing and torn belts.	Need to replace bearing and belts.	ON (Blower #2 Only)	OFF

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

PHOENIX
Environmental Laboratories, Inc.

Thursday, July 02, 2020

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

Project ID: ENSAFER WESTBURY
SDG ID: GCG24591
Sample ID#s: CG24591 - CG24592

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

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

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

July 02, 2020

SDG I.D.: GCG24591

Project ID: ENSAFER WESTBURY

Client Id	Lab Id	Matrix
SVE INFLUENT	CG24591	AIR
SVE EFFLUENT	CG24592	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

July 02, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JW	06/30/20	10:01
Location Code:	ENVIROTR	Received by:	B	06/30/20	16:51
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	844				

Laboratory Data

SDG ID: GCG24591
Phoenix ID: CG24591

Project ID: ENSAFER 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*	07/01/20	KCA	5	1
1,1,1-Trichloroethane	ND	*0.917*	ND	*5.00*	07/01/20	KCA	5	
1,1,2,2-Tetrachloroethane	ND	*0.729*	ND	*5.00*	07/01/20	KCA	5	
1,1,2-Trichloroethane	ND	*0.917*	ND	*5.00*	07/01/20	KCA	5	
1,1-Dichloroethane	ND	*1.24*	ND	*5.02*	07/01/20	KCA	5	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	07/01/20	KCA	5	
1,2,4-Trichlorobenzene	ND	*0.674*	ND	*5.00*	07/01/20	KCA	5	
1,2,4-Trimethylbenzene	ND	*1.02*	ND	*5.01*	07/01/20	KCA	5	
1,2-Dibromoethane(EDB)	ND	*0.651*	ND	*5.00*	07/01/20	KCA	5	
1,2-Dichlorobenzene	ND	*0.832*	ND	*5.00*	07/01/20	KCA	5	
1,2-Dichloroethane	ND	*1.24*	ND	*5.02*	07/01/20	KCA	5	
1,2-dichloropropane	ND	*1.08*	ND	*4.99*	07/01/20	KCA	5	
1,2-Dichlorotetrafluoroethane	ND	*0.716*	ND	*5.00*	07/01/20	KCA	5	
1,3,5-Trimethylbenzene	ND	*1.02*	ND	*5.01*	07/01/20	KCA	5	
1,3-Butadiene	ND	*2.26*	ND	*5.00*	07/01/20	KCA	5	
1,3-Dichlorobenzene	ND	*0.832*	ND	*5.00*	07/01/20	KCA	5	
1,4-Dichlorobenzene	ND	*0.832*	ND	*5.00*	07/01/20	KCA	5	
1,4-Dioxane	ND	*1.39*	ND	*5.01*	07/01/20	KCA	5	
2-Hexanone(MBK)	ND	*1.22*	ND	*4.99*	07/01/20	KCA	5	1
4-Ethyltoluene	ND	*1.02*	ND	*5.01*	07/01/20	KCA	5	1
4-Isopropyltoluene	ND	*0.911*	ND	*5.00*	07/01/20	KCA	5	1
4-Methyl-2-pentanone(MIBK)	ND	*1.22*	ND	*4.99*	07/01/20	KCA	5	
Acetone	3.96	*2.11*	9.40	*5.01*	07/01/20	KCA	5	
Acrylonitrile	ND	*2.31*	ND	*5.01*	07/01/20	KCA	5	
Benzene	ND	*1.57*	ND	*5.01*	07/01/20	KCA	5	
Benzyl chloride	ND	*0.966*	ND	*5.00*	07/01/20	KCA	5	

Ver 1

Project ID: ENSAFER WESTBURY
Client ID: SVE INFLUENT

Phoenix I.D.: CG24591

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By		
Bromodichloromethane	ND	*0.747*	ND	*5.00*	07/01/20	KCA	5	
Bromoform	ND	*0.484*	ND	*5.00*	07/01/20	KCA	5	
Bromomethane	ND	*1.29*	ND	*5.01*	07/01/20	KCA	5	
Carbon Disulfide	ND	*1.61*	ND	*5.01*	07/01/20	KCA	5	
Carbon Tetrachloride	ND	*0.159*	ND	*1.00*	07/01/20	KCA	5	
Chlorobenzene	ND	*1.09*	ND	*5.01*	07/01/20	KCA	5	
Chloroethane	ND	*1.90*	ND	*5.01*	07/01/20	KCA	5	
Chloroform	ND	*1.02*	ND	*4.98*	07/01/20	KCA	5	
Chloromethane	ND	*2.42*	ND	*4.99*	07/01/20	KCA	5	
Cis-1,2-Dichloroethene	18.6	*0.252*	73.7	*1.00*	07/01/20	KCA	5	
cis-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	07/01/20	KCA	5	
Cyclohexane	ND	*1.45*	ND	*4.99*	07/01/20	KCA	5	
Dibromochloromethane	ND	*0.587*	ND	*5.00*	07/01/20	KCA	5	
Dichlorodifluoromethane	ND	*1.01*	ND	*4.99*	07/01/20	KCA	5	
Ethanol	8.33	*2.66*	15.7	*5.01*	07/01/20	KCA	5	1
Ethyl acetate	ND	*1.39*	ND	*5.01*	07/01/20	KCA	5	1
Ethylbenzene	ND	*1.15*	ND	*4.99*	07/01/20	KCA	5	
Heptane	ND	*1.22*	ND	*5.00*	07/01/20	KCA	5	
Hexachlorobutadiene	ND	*0.469*	ND	*5.00*	07/01/20	KCA	5	
Hexane	ND	*1.42*	ND	*5.00*	07/01/20	KCA	5	
Isopropylalcohol	ND	*2.04*	ND	*5.01*	07/01/20	KCA	5	
Isopropylbenzene	ND	*1.02*	ND	*5.01*	07/01/20	KCA	5	
m,p-Xylene	ND	*1.15*	ND	*4.99*	07/01/20	KCA	5	
Methyl Ethyl Ketone	ND	*1.70*	ND	*5.01*	07/01/20	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	*1.39*	ND	*5.01*	07/01/20	KCA	5	
Methylene Chloride	ND	*4.32*	ND	*15.0*	07/01/20	KCA	5	
n-Butylbenzene	ND	*0.911*	ND	*5.00*	07/01/20	KCA	5	1
o-Xylene	ND	*1.15*	ND	*4.99*	07/01/20	KCA	5	
Propylene	ND	*2.91*	ND	*5.01*	07/01/20	KCA	5	1
sec-Butylbenzene	ND	*0.911*	ND	*5.00*	07/01/20	KCA	5	1
Styrene	ND	*1.17*	ND	*4.98*	07/01/20	KCA	5	
Tetrachloroethene	627	*2.77*	4250	*18.8*	07/02/20	KCA	75	
Tetrahydrofuran	ND	*1.70*	ND	*5.01*	07/01/20	KCA	5	1
Toluene	ND	*1.33*	ND	*5.01*	07/01/20	KCA	5	
Trans-1,2-Dichloroethene	ND	*1.26*	ND	*4.99*	07/01/20	KCA	5	
trans-1,3-Dichloropropene	ND	*1.10*	ND	*4.99*	07/01/20	KCA	5	
Trichloroethene	24.3	*0.186*	131	*1.00*	07/01/20	KCA	5	
Trichlorofluoromethane	ND	*0.891*	ND	*5.00*	07/01/20	KCA	5	
Trichlorotrifluoroethane	ND	*0.653*	ND	*5.00*	07/01/20	KCA	5	
Vinyl Chloride	ND	*0.391*	ND	*1.00*	07/01/20	KCA	5	
QA/QC Surrogates/Internals								
% Bromofluorobenzene (5x)	102	*%*	102	*%*	07/01/20	KCA	5	
% IS-1,4-Difluorobenzene (5x)	96	*%*	96	*%*	07/01/20	KCA	5	
% IS-Bromochloromethane (5x)	94	*%*	94	*%*	07/01/20	KCA	5	
% IS-Chlorobenzene-d5 (5x)	90	*%*	90	*%*	07/01/20	KCA	5	
% Bromofluorobenzene (75x)	99	*%*	99	*%*	07/02/20	KCA	75	
% IS-1,4-Difluorobenzene (75x)	86	*%*	86	*%*	07/02/20	KCA	75	
% IS-Bromochloromethane (75x)	86	*%*	86	*%*	07/02/20	KCA	75	
% IS-Chlorobenzene-d5 (75x)	84	*%*	84	*%*	07/02/20	KCA	75	

Ver 1

Project ID: ENSAFER WESTBURY

Client ID: SVE INFLUENT

Phoenix I.D.: CG24591

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

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

July 02, 2020

Reviewed and Released by: Rashmi Makol, Project Manager

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

July 02, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JW	06/30/20	9:56
Location Code:	ENVIROTR	Received by:	B	06/30/20	16:51
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	857				

Laboratory Data

SDG ID: GCG24591
Phoenix ID: CG24592

Project ID: ENSAFER 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*	07/01/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/01/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/01/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/01/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/01/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	07/01/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/01/20	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	07/01/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/01/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/01/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/01/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	07/01/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/01/20	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	07/01/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/01/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/01/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/01/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/01/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/01/20	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	07/01/20	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	07/01/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	07/01/20	KCA	1	
Acetone	2.04	*0.421*	4.84	*1.00*	07/01/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/01/20	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	07/01/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/01/20	KCA	1	

Ver 1

Project ID: ENSAFER WESTBURY
Client ID: SVE EFFLUENT

Phoenix I.D.: CG24592

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By		
Bromodichloromethane	ND	*0.149*	ND	*1.00*	07/01/20	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	07/01/20	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	07/01/20	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	07/01/20	KCA	1	
Carbon Tetrachloride	ND	*0.032*	ND	*0.20*	07/01/20	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	07/01/20	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	07/01/20	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	07/01/20	KCA	1	
Chloromethane	ND	*0.485*	ND	*1.00*	07/01/20	KCA	1	
Cis-1,2-Dichloroethene	80.7	*0.252*	320	*1.00*	07/01/20	KCA	5	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	07/01/20	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	07/01/20	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	07/01/20	KCA	1	
Dichlorodifluoromethane	0.295	*0.202*	1.46	*1.00*	07/01/20	KCA	1	
Ethanol	27.9	*0.531*	52.5	*1.00*	07/01/20	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	07/01/20	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	07/01/20	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	07/01/20	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	07/01/20	KCA	1	
Hexane	ND	*0.284*	ND	*1.00*	07/01/20	KCA	1	
Isopropylalcohol	0.888	*0.407*	2.18	*1.00*	07/01/20	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	07/01/20	KCA	1	
m,p-Xylene	ND	*0.230*	ND	*1.00*	07/01/20	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	ND	*1.00*	07/01/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	07/01/20	KCA	1	
Methylene Chloride	1.51	*0.864*	5.24	*3.00*	07/01/20	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	07/01/20	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	07/01/20	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	07/01/20	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	07/01/20	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	07/01/20	KCA	1	
Tetrachloroethene	4.43	*0.037*	30.0	*0.25*	07/01/20	KCA	1	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	07/01/20	KCA	1	1
Toluene	ND	*0.266*	ND	*1.00*	07/01/20	KCA	1	
Trans-1,2-Dichloroethene	0.784	*0.252*	3.11	*1.00*	07/01/20	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	07/01/20	KCA	1	
Trichloroethene	1.29	*0.037*	6.93	*0.20*	07/01/20	KCA	1	
Trichlorofluoromethane	0.189	*0.178*	1.06	*1.00*	07/01/20	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	07/01/20	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	07/01/20	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	99	*%*	99	*%*	07/01/20	KCA	1	
% IS-1,4-Difluorobenzene	116	*%*	116	*%*	07/01/20	KCA	1	
% IS-Bromochloromethane	110	*%*	110	*%*	07/01/20	KCA	1	
% IS-Chlorobenzene-d5	111	*%*	111	*%*	07/01/20	KCA	1	
% Bromofluorobenzene (5x)	99	*%*	99	*%*	07/01/20	KCA	5	
% IS-1,4-Difluorobenzene (5x)	87	*%*	87	*%*	07/01/20	KCA	5	
% IS-Bromochloromethane (5x)	89	*%*	89	*%*	07/01/20	KCA	5	
% IS-Chlorobenzene-d5 (5x)	91	*%*	91	*%*	07/01/20	KCA	5	

Ver 1

Project ID: ENSAFER WESTBURY

Client ID: SVE EFFLUENT

Phoenix I.D.: CG24592

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

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

July 02, 2020

Reviewed and Released by: Rashmi Makol, Project Manager

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

Canister Sampling Information

July 02, 2020

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

Location Code: ENVIROTR

SDG I.D.: GCG24591

Project ID: ENSAFER WESTBURY

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SVE INFLUENT	CG24591	844	1.4L		06/16/20	-30	-4		\B SAM				06/30/20 10:00	06/30/20 10:01
SVE EFFLUENT	CG24592	857	1.4L		06/16/20	-30	-1		\B SAM				06/30/20 09:55	06/30/20 09:56

PHOENIX

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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

QA/QC Report

July 02, 2020

QA/QC Data

SDG I.D.: GCG24591

QA/QC Batch 535693 (ppbv), QC Sample No: CG23563 (CG24591 (5X) , CG24592 (5X))

Volatiles

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	
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	106	ND	ND	ND	ND	NC	70 - 130	25	
1,1,1-Trichloroethane	ND	0.180	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	107	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2-Trichloroethane	ND	0.180	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethane	ND	0.250	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethene	ND	0.050	ND	0.20	94	ND	ND	ND	ND	NC	70 - 130	25	
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	131	ND	ND	ND	ND	NC	70 - 130	25	I
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	111	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorobenzene	ND	0.170	ND	1.02	115	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichloroethane	ND	0.250	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25	
1,2-dichloropropane	ND	0.220	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	62	ND	ND	ND	ND	NC	70 - 130	25	I
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	110	ND	ND	ND	ND	NC	70 - 130	25	
1,3-Butadiene	ND	0.450	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25	
1,3-Dichlorobenzene	ND	0.170	ND	1.02	114	ND	ND	ND	ND	NC	70 - 130	25	
1,4-Dichlorobenzene	ND	0.170	ND	1.02	115	ND	ND	ND	ND	NC	70 - 130	25	
1,4-Dioxane	ND	0.280	ND	1.01	131	ND	ND	ND	ND	NC	70 - 130	25	I
2-Hexanone(MBK)	ND	0.240	ND	0.98	118	ND	ND	ND	ND	NC	70 - 130	25	
4-Ethyltoluene	ND	0.200	ND	0.98	125	ND	ND	ND	ND	NC	70 - 130	25	
4-Isopropyltoluene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25	
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	112	ND	ND	ND	ND	NC	70 - 130	25	
Acetone	ND	0.420	ND	1.00	84	16.7	18.1	7.03	7.62	8.1	70 - 130	25	
Acrylonitrile	ND	0.460	ND	1.00	90	ND	ND	ND	ND	NC	70 - 130	25	
Benzene	ND	0.310	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25	
Benzyl chloride	ND	0.190	ND	0.98	124	ND	ND	ND	ND	NC	70 - 130	25	
Bromodichloromethane	ND	0.150	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25	
Bromoform	ND	0.097	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25	
Bromomethane	ND	0.260	ND	1.01	96	ND	ND	ND	ND	NC	70 - 130	25	
Carbon Disulfide	ND	0.320	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25	
Carbon Tetrachloride	ND	0.032	ND	0.20	99	0.50	0.50	0.080	0.079	NC	70 - 130	25	
Chlorobenzene	ND	0.220	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25	
Chloroethane	ND	0.380	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25	
Chloroform	ND	0.200	ND	0.98	100	3.13	3.09	0.642	0.634	NC	70 - 130	25	
Chloromethane	ND	0.480	ND	0.99	98	1.17	1.34	0.567	0.651	NC	70 - 130	25	
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	107	0.35	ND	0.089	ND	NC	70 - 130	25	
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25	
Cyclohexane	ND	0.290	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25	
Dibromochloromethane	ND	0.120	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25	
Dichlorodifluoromethane	ND	0.200	ND	0.99	61	1.63	1.52	0.329	0.308	NC	70 - 130	25	I
Ethanol	ND	0.530	ND	1.00	125	100 E	435	52.9 E	231	125.5	70 - 130	25	r

QA/QC Data

SDG I.D.: GCG24591

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
Ethyl acetate	ND	0.280	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25	
Ethylbenzene	ND	0.230	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25	
Heptane	ND	0.240	ND	0.98	112	ND	ND	ND	ND	NC	70 - 130	25	
Hexachlorobutadiene	ND	0.094	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25	
Hexane	ND	0.280	ND	0.99	111	ND	ND	ND	ND	NC	70 - 130	25	
Isopropylalcohol	ND	0.410	ND	1.01	114	21.3	31.9	8.68	13.0	39.9	70 - 130	25	r
Isopropylbenzene	ND	0.200	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25	
m,p-Xylene	ND	0.230	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25	
Methyl Ethyl Ketone	ND	0.340	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25	
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	106	ND	ND	ND	ND	NC	70 - 130	25	
Methylene Chloride	ND	0.860	ND	2.99	96	ND	ND	ND	ND	NC	70 - 130	25	
n-Butylbenzene	ND	0.180	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25	
o-Xylene	ND	0.230	ND	1.00	131	ND	ND	ND	ND	NC	70 - 130	25	I
Propylene	ND	0.580	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25	
sec-Butylbenzene	ND	0.180	ND	0.99	106	ND	ND	ND	ND	NC	70 - 130	25	
Styrene	ND	0.230	ND	0.98	126	ND	ND	ND	ND	NC	70 - 130	25	
Tetrahydrofuran	ND	0.340	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25	
Toluene	ND	0.270	ND	1.02	121	1.18	ND	0.313	ND	NC	70 - 130	25	
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25	
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25	
Trichloroethene	ND	0.037	ND	0.20	113	0.33	0.30	0.062	0.055	NC	70 - 130	25	
Trichlorofluoromethane	ND	0.180	ND	1.01	95	1.40	1.38	0.250	0.245	NC	70 - 130	25	
Trichlorotrifluoroethane	ND	0.130	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25	
Vinyl Chloride	ND	0.078	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25	
% Bromofluorobenzene	99	%	99	%	100	99	98	99	98	NC	70 - 130	25	
% IS-1,4-Difluorobenzene	98	%	98	%	96	80	81	80	81	NC	60 - 140	25	
% IS-Bromochloromethane	99	%	99	%	95	81	81	81	81	NC	60 - 140	25	
% IS-Chlorobenzene-d5	98	%	98	%	99	89	92	89	92	NC	60 - 140	25	

QA/QC Batch 535998 (ppbv), QC Sample No: CG23565 (CG24591 (75X) , CG24592)

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	99	ND	ND	ND	ND	NC	70 - 130	25	
1,1,1-Trichloroethane	ND	0.180	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	106	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2-Trichloroethane	ND	0.180	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethane	ND	0.250	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethene	ND	0.050	ND	0.20	104	ND	ND	ND	ND	NC	70 - 130	25	
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	129	ND	ND	ND	ND	NC	70 - 130	25	
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorobenzene	ND	0.170	ND	1.02	116	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichloroethane	ND	0.250	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25	
1,2-dichloropropane	ND	0.220	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	56	ND	ND	ND	ND	NC	70 - 130	25	I
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25	
1,3-Butadiene	ND	0.450	ND	0.99	116	ND	ND	ND	ND	NC	70 - 130	25	
1,3-Dichlorobenzene	ND	0.170	ND	1.02	111	5.07	4.67	0.844	0.778	NC	70 - 130	25	
1,4-Dichlorobenzene	ND	0.170	ND	1.02	112	ND	ND	ND	ND	NC	70 - 130	25	
1,4-Dioxane	ND	0.280	ND	1.01	127	3.34	3.14	0.928	0.871	NC	70 - 130	25	
2-Hexanone(MBK)	ND	0.240	ND	0.98	131	ND	ND	ND	ND	NC	70 - 130	25	I
4-Ethyltoluene	ND	0.200	ND	0.98	120	ND	ND	ND	ND	NC	70 - 130	25	
4-Isopropyltoluene	ND	0.180	ND	0.99	101	ND	ND	ND	ND	NC	70 - 130	25	
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	126	ND	ND	ND	ND	NC	70 - 130	25	

QA/QC Data

SDG I.D.: GCG24591

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	
Acetone	ND	0.420	ND	1.00	95	658	584	277	246	11.9	70 - 130	25	
Acrylonitrile	ND	0.460	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25	
Benzene	ND	0.310	ND	0.99	105	1.28	1.21	0.400	0.378	NC	70 - 130	25	
Benzyl chloride	ND	0.190	ND	0.98	125	ND	ND	ND	ND	NC	70 - 130	25	
Bromodichloromethane	ND	0.150	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25	
Bromoform	ND	0.097	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25	
Bromomethane	ND	0.260	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25	
Carbon Disulfide	ND	0.320	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25	
Carbon Tetrachloride	ND	0.032	ND	0.20	101	0.52	0.50	0.083	0.080	NC	70 - 130	25	
Chlorobenzene	ND	0.220	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25	
Chloroethane	ND	0.380	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25	
Chloroform	ND	0.200	ND	0.98	102	7.37	6.59	1.51	1.35	11.2	70 - 130	25	
Chloromethane	ND	0.480	ND	0.99	109	1.46	1.42	0.708	0.686	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	0.290	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	25	
Dibromochloromethane	ND	0.120	ND	1.02	105	ND	ND	ND	ND	NC	70 - 130	25	
Dichlorodifluoromethane	ND	0.200	ND	0.99	58	1.80	1.78	0.365	0.361	NC	70 - 130	25	l
Ethanol	ND	0.530	ND	1.00	143	522 E	469	277 E	249	10.6	70 - 130	25	l
Ethyl acetate	ND	0.280	ND	1.01	112	ND	ND	ND	ND	NC	70 - 130	25	
Ethylbenzene	ND	0.230	ND	1.00	112	1.28	1.16	0.296	0.268	NC	70 - 130	25	
Heptane	ND	0.240	ND	0.98	123	1.14	ND	0.279	ND	NC	70 - 130	25	
Hexachlorobutadiene	ND	0.094	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25	
Hexane	ND	0.280	ND	0.99	120	1.28	1.21	0.362	0.344	NC	70 - 130	25	
Isopropylalcohol	ND	0.410	ND	1.01	123	41.0	36.8	16.7	15.0	10.7	70 - 130	25	
Isopropylbenzene	ND	0.200	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25	
m,p-Xylene	ND	0.230	ND	1.00	105	2.64	2.35	0.608	0.542	NC	70 - 130	25	
Methyl Ethyl Ketone	ND	0.340	ND	1.00	109	65.4	54.2	22.2	18.4	18.7	70 - 130	25	
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25	
Methylene Chloride	ND	0.860	ND	2.99	102	6.42	4.83	1.85	1.39	NC	70 - 130	25	
n-Butylbenzene	ND	0.180	ND	0.99	101	ND	ND	ND	ND	NC	70 - 130	25	
o-Xylene	ND	0.230	ND	1.00	123	1.67	1.44	0.384	0.332	NC	70 - 130	25	
Propylene	ND	0.580	ND	1.00	105	3.92	3.58	2.28	2.08	NC	70 - 130	25	
sec-Butylbenzene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25	
Styrene	ND	0.230	ND	0.98	120	ND	ND	ND	ND	NC	70 - 130	25	
Tetrachloroethene	ND	0.037	ND	0.25	107	16.8	15.0	2.48	2.21	11.5	70 - 130	25	
Tetrahydrofuran	ND	0.340	ND	1.00	109	4.66	3.74	1.58	1.27	NC	70 - 130	25	
Toluene	ND	0.270	ND	1.02	120	3.75	3.45	0.995	0.916	NC	70 - 130	25	
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	104	ND	ND	ND	ND	NC	70 - 130	25	
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	25	
Trichloroethene	ND	0.037	ND	0.20	106	0.70	0.59	0.131	0.110	NC	70 - 130	25	
Trichlorofluoromethane	ND	0.180	ND	1.01	102	1.68	1.56	0.299	0.278	NC	70 - 130	25	
Trichlorotrifluoroethane	ND	0.130	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25	
Vinyl Chloride	ND	0.078	ND	0.20	111	ND	ND	ND	ND	NC	70 - 130	25	
% Bromofluorobenzene	99	%	99	%	99	100	99	100	99	NC	70 - 130	25	
% IS-1,4-Difluorobenzene	89	%	89	%	105	86	95	86	95	NC	60 - 140	25	
% IS-Bromochloromethane	91	%	91	%	102	82	90	82	90	NC	60 - 140	25	
% IS-Chlorobenzene-d5	88	%	88	%	104	99	104	99	104	NC	60 - 140	25	

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

QA/QC Data

SDG I.D.: GCG24591

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

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
July 02, 2020

Thursday, July 02, 2020

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCG24591 - 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

July 02, 2020 SDG I.D.: GCG24591

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

WCIP

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: jamesw@envirotrac.com
☐ Phone #:

Report to: Jim Wilkinson
Customer: EnviroTrac
Address: 5 Old Dock Road
Yaphank, NY 11980

Project Name: Ensafe Westbury
Invoice to: EnviroTrac
Sampled by: Jim Wilkinson

Data Format: (Circle) Equis Excel Other: PDF
Requested Deliverable: RCP ASP CAT B MCP NJ Deliverables
Quote Number:

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-15	APH
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
24591	SVE Influent	844	1.04	-30	-4	NA	NA	10:00	10:01	6/30					G	✓	
24592	SVE Effluent	857	1.04	-30	-1	NA	NA	9:55	9:56	↓					G	✓	

Relinquished by: [signature] Date: 6-30-20 Time: 10:40
Accepted by: [signature] Date: 6-30-20 Time: 1651

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: _____

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
(2)(1.04)
GRAB

Turnaround Time:
☐ 1 Day
☐ 2 Day
☐ 3 Day
☐ 4 Day
☐ 5 Day

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	Vapor Intrusion	**Indoor Air** Residential Non-residential	**Indoor Air** Residential Industrial **Sub-slab** Residential Industrial

PEL-115 Rev. 9/2019

Appendix C
Groundwater Extraction Well Sampling
Laboratory Analytical Results

PHOENIX
Environmental Laboratories, Inc.

Friday, April 03, 2020

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

Project ID: FROST STREET-OU2
SDG ID: GCF58875
Sample ID#s: CF58875 - CF58878

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

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

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

April 03, 2020

SDG I.D.: GCF58875

Project ID: FROST STREET-OU2

Client Id	Lab Id	Matrix
EX-1A	CF58875	GW DISCHARGE
EX-1B	CF58876	GW DISCHARGE
EX-1C	CF58877	GW DISCHARGE
EX-1D	CF58878	GW DISCHARGE

PHOENIX
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 03, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GW DISCHARGE	Collected by:		03/31/20	5:01
Location Code:	ENVIROTR	Received by:	SW	03/31/20	15:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCF58875
Phoenix ID: CF58875

Project ID: FROST STREET-OU2
Client ID: EX-1A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Benzene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	04/01/20	MH	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
cis-1,2-Dichloroethene	4.0	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/01/20	MH	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	04/01/20	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	04/01/20	MH	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1

Project ID: FROST STREET-OU2
Client ID: EX-1A

Phoenix I.D.: CF58875

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.50	0.45	ug/L	1	04/01/20	MH	E624.1
Tetrachloroethene	74	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/01/20	MH	E624.1
Trichloroethene	5.8	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	04/01/20	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	04/01/20	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	04/01/20	MH	70 - 130 %
% Toluene-d8	110			%	1	04/01/20	MH	70 - 130 %

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 LOD=Limit of Detection MDL=Method Detection Limit1
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
April 03, 2020
Reviewed and Released by: Rashmi Makol, Project Manager

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

April 03, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GW DISCHARGE	Collected by:		03/31/20	5:02
Location Code:	ENVIROTR	Received by:	SW	03/31/20	15:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCF58875
Phoenix ID: CF58876

Project ID: FROST STREET-OU2
Client ID: EX-1B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
1,1,2,2-tetrachloroethane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
1,1,2-Trichloroethane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
1,1-Dichloroethane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
1,1-Dichloroethene	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
1,2-Dichlorobenzene	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
1,2-Dichloroethane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
1,2-Dichloropropane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
1,3-Dichlorobenzene	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
1,4-Dichlorobenzene	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Benzene	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Bromodichloromethane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Bromoform	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Bromomethane	ND	1.0	1.0	ug/L	2	04/02/20	MH	E624.1
Carbon tetrachloride	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Chlorobenzene	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Chloroethane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Chloroform	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Chloromethane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
cis-1,2-Dichloroethene	11	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
cis-1,3-Dichloropropene	ND	0.80	0.50	ug/L	2	04/02/20	MH	E624.1
Dibromochloromethane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Ethylbenzene	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
m&p-Xylene	ND	1.0	0.84	ug/L	2	04/02/20	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND	2.0	1.0	ug/L	2	04/02/20	MH	E624.1
Methylene chloride	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1

Project ID: FROST STREET-OU2
Client ID: EX-1B

Phoenix I.D.: CF58876

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	1.0	0.90	ug/L	2	04/02/20	MH	E624.1
Tetrachloroethene	360	25	13	ug/L	50	04/01/20	MH	E624.1
Toluene	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
trans-1,2-Dichloroethene	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
trans-1,3-Dichloropropene	ND	0.80	0.50	ug/L	2	04/02/20	MH	E624.1
Trichloroethene	17	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Trichlorofluoromethane	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
Vinyl chloride	ND	1.0	0.50	ug/L	2	04/02/20	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4 (2x)	103			%	2	04/02/20	MH	70 - 130 %
% Bromofluorobenzene (2x)	95			%	2	04/02/20	MH	70 - 130 %
% Dibromofluoromethane (2x)	97			%	2	04/02/20	MH	70 - 130 %
% Toluene-d8 (2x)	109			%	2	04/02/20	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	102			%	50	04/01/20	MH	70 - 130 %
% Bromofluorobenzene (50x)	95			%	50	04/01/20	MH	70 - 130 %
% Dibromofluoromethane (50x)	100			%	50	04/01/20	MH	70 - 130 %
% Toluene-d8 (50x)	100			%	50	04/01/20	MH	70 - 130 %

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 LOD=Limit of Detection MDL=Method Detection Limit1
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:

Volatile Comment:
Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

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
April 03, 2020
Reviewed and Released by: Rashmi Makol, Project Manager

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

April 03, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GW DISCHARGE	Collected by:		03/31/20	5:03
Location Code:	ENVIROTR	Received by:	SW	03/31/20	15:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCF58875
Phoenix ID: CF58877

Project ID: FROST STREET-OU2
Client ID: EX-1C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles									
1,1,1-Trichloroethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1,2,2-tetrachloroethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1,2-Trichloroethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1-Dichloroethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1-Dichloroethene	0.30	J	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,2-Dichlorobenzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,2-Dichloroethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,2-Dichloropropane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,3-Dichlorobenzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,4-Dichlorobenzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Benzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Bromodichloromethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Bromoform	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Bromomethane	ND		0.50	0.50	ug/L	1	04/01/20	MH	E624.1
Carbon tetrachloride	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chlorobenzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chloroethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chloroform	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chloromethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
cis-1,2-Dichloroethene	2.5		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/01/20	MH	E624.1
Dibromochloromethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Ethylbenzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
m&p-Xylene	ND		0.50	0.42	ug/L	1	04/01/20	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND		1.0	0.50	ug/L	1	04/01/20	MH	E624.1
Methylene chloride	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1

Project ID: FROST STREET-OU2
Client ID: EX-1C

Phoenix I.D.: CF58877

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.50	0.45	ug/L	1	04/01/20	MH	E624.1
Tetrachloroethene	97	5.0	2.5	ug/L	10	04/01/20	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/01/20	MH	E624.1
Trichloroethene	7.2	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	1	04/01/20	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	04/01/20	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	04/01/20	MH	70 - 130 %
% Toluene-d8	107			%	1	04/01/20	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (10x)	103			%	10	04/01/20	MH	70 - 130 %
% Bromofluorobenzene (10x)	95			%	10	04/01/20	MH	70 - 130 %
% Dibromofluoromethane (10x)	98			%	10	04/01/20	MH	70 - 130 %
% Toluene-d8 (10x)	111			%	10	04/01/20	MH	70 - 130 %

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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:

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Phyllis Shiller, Laboratory Director
April 03, 2020
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX
Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 03, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GW DISCHARGE	Collected by:		03/31/20	5:04
Location Code:	ENVIROTR	Received by:	SW	03/31/20	15:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCF58875
Phoenix ID: CF58878

Project ID: FROST STREET-OU2
Client ID: EX-1D

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles									
1,1,1-Trichloroethane	0.25	J	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1,2,2-tetrachloroethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1,2-Trichloroethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1-Dichloroethane	0.29	J	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,1-Dichloroethene	1.4		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,2-Dichlorobenzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,2-Dichloroethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,2-Dichloropropane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,3-Dichlorobenzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
1,4-Dichlorobenzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Benzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Bromodichloromethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Bromoform	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Bromomethane	ND		0.50	0.50	ug/L	1	04/01/20	MH	E624.1
Carbon tetrachloride	0.92		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chlorobenzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chloroethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chloroform	0.65		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Chloromethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
cis-1,2-Dichloroethene	3.6		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	04/01/20	MH	E624.1
Dibromochloromethane	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Ethylbenzene	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1
m&p-Xylene	ND		0.50	0.42	ug/L	1	04/01/20	MH	E624.1
Methyl tert-butyl ether (MTBE)	ND		1.0	0.50	ug/L	1	04/01/20	MH	E624.1
Methylene chloride	ND		0.50	0.25	ug/L	1	04/01/20	MH	E624.1

Project ID: FROST STREET-OU2
Client ID: EX-1D

Phoenix I.D.: CF58878

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	0.50	0.45	ug/L	1	04/01/20	MH	E624.1
Tetrachloroethene	81	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Toluene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	04/01/20	MH	E624.1
Trichloroethene	21	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	04/01/20	MH	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	1	04/01/20	MH	70 - 130 %
% Bromofluorobenzene	95			%	1	04/01/20	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	04/01/20	MH	70 - 130 %
% Toluene-d8	100			%	1	04/01/20	MH	70 - 130 %

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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
April 03, 2020
Reviewed and Released by: Rashmi Makol, Project Manager

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

QA/QC Report

April 03, 2020

QA/QC Data

SDG I.D.: GCF58875

QA/QC Batch 524932 (ug/L), QC Sample No: CF59369 (CF58875, CF58876 (50X) , CF58877 (1X, 10X) , CF58878)

Volatiles

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1-Trichloroethane	ND	1.0	101	93	8.2	99	114	14.1	75 - 125	20	
1,1,2,2-Tetrachloroethane	ND	0.50	102	86	17.0	96	110	13.6	60 - 140	20	
1,1,2-Trichloroethane	ND	1.0	90	91	1.1	102	100	2.0	71 - 129	20	
1,1-Dichloroethane	ND	1.0	103	91	12.4	97	115	17.0	72 - 128	20	
1,1-Dichloroethene	ND	1.0	105	95	10.0	96	116	18.9	50 - 150	20	
1,2-Dichlorobenzene	ND	1.0	100	86	15.1	93	108	14.9	63 - 137	20	
1,2-Dichloroethane	ND	1.0	94	95	1.1	109	107	1.9	68 - 132	20	
1,2-Dichloropropane	ND	1.0	93	91	2.2	101	101	0.0	40 - 160	20	
1,3-Dichlorobenzene	ND	1.0	102	90	12.5	98	112	13.3	73 - 127	20	
1,4-Dichlorobenzene	ND	1.0	97	84	14.4	92	106	14.1	63 - 137	20	
Benzene	ND	0.70	93	97	4.2	105	105	0.0	64 - 136	20	
Bromodichloromethane	ND	0.50	96	98	2.1	107	105	1.9	65 - 135	20	
Bromoform	ND	1.0	110	96	13.6	108	119	9.7	71 - 129	20	
Bromomethane	ND	1.0	89	83	7.0	82	100	19.8	40 - 160	20	
Carbon tetrachloride	ND	1.0	103	111	7.5	117	135	14.3	73 - 127	20	m
Chlorobenzene	ND	1.0	99	88	11.8	96	108	11.8	66 - 134	20	
Chloroethane	ND	1.0	107	96	10.8	96	117	19.7	40 - 160	20	
Chloroform	ND	1.0	103	93	10.2	100	113	12.2	67 - 133	20	
Chloromethane	ND	1.0	99	87	12.9	94	107	12.9	40 - 160	20	
cis-1,2-Dichloroethene	ND	1.0	100	88	12.8	94	109	14.8	69 - 131	20	
cis-1,3-Dichloropropene	ND	0.40	92	94	2.2	100	99	1.0	40 - 160	20	
Dibromochloromethane	ND	0.50	109	93	15.8	103	118	13.6	67 - 133	20	
Ethylbenzene	ND	1.0	104	93	11.2	100	115	14.0	59 - 141	20	
m&p-Xylene	ND	1.0	104	93	11.2	100	112	11.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	96	82	15.7	89	106	17.4	70 - 130	30	
Methylene chloride	ND	1.0	89	80	10.7	86	98	13.0	60 - 140	20	
o-Xylene	ND	1.0	104	93	11.2	101	114	12.1	70 - 130	30	
Tetrachloroethene	ND	1.0	87	92	5.6	97	95	2.1	73 - 127	20	
Toluene	ND	1.0	93	98	5.2	107	104	2.8	74 - 126	20	
trans-1,2-Dichloroethene	ND	1.0	101	93	8.2	96	113	16.3	69 - 131	20	
trans-1,3-Dichloropropene	ND	0.40	94	97	3.1	103	101	2.0	50 - 150	20	
Trichloroethene	ND	1.0	96	85	12.2	91	105	14.3	66 - 134	20	
Trichlorofluoromethane	ND	1.0	105	97	7.9	101	120	17.2	48 - 152	20	
Vinyl chloride	ND	1.0	104	95	9.0	97	116	17.8	40 - 160	20	
% 1,2-dichlorobenzene-d4	103	%	102	100	2.0	100	102	2.0	70 - 130	30	
% Bromofluorobenzene	96	%	102	101	1.0	102	101	1.0	70 - 130	30	
% Dibromofluoromethane	99	%	95	98	3.1	95	95	0.0	70 - 130	30	
% Toluene-d8	97	%	91	108	17.1	108	92	16.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Data

SDG I.D.: GCF58875

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 525115 (ug/L), QC Sample No: CF60750 (CF58876 (2X))										
Volatiles										
1,1,1-Trichloroethane	ND	1.0	94	100	6.2	103	105	1.9	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	87	97	10.9	100	104	3.9	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	94	94	0.0	101	93	8.2	71 - 129	20
1,1-Dichloroethane	ND	1.0	93	100	7.3	102	106	3.8	72 - 128	20
1,1-Dichloroethene	ND	1.0	96	102	6.1	102	107	4.8	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	88	96	8.7	97	101	4.0	63 - 137	20
1,2-Dichloroethane	ND	1.0	98	101	3.0	105	95	10.0	68 - 132	20
1,2-Dichloropropane	ND	1.0	93	95	2.1	101	95	6.1	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	92	100	8.3	102	105	2.9	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	87	95	8.8	96	98	2.1	63 - 137	20
Benzene	ND	0.70	97	97	0.0	105	95	10.0	64 - 136	20
Bromodichloromethane	ND	0.50	100	100	0.0	109	99	9.6	65 - 135	20
Bromoform	ND	1.0	101	106	4.8	109	115	5.4	71 - 129	20
Bromomethane	ND	1.0	85	93	9.0	95	98	3.1	40 - 160	20
Carbon tetrachloride	ND	1.0	113	104	8.3	106	110	3.7	73 - 127	20
Chlorobenzene	ND	1.0	91	95	4.3	99	102	3.0	66 - 134	20
Chloroethane	ND	1.0	92	102	10.3	112	117	4.4	40 - 160	20
Chloroform	ND	1.0	93	100	7.3	103	105	1.9	67 - 133	20
Chloromethane	ND	1.0	94	100	6.2	100	104	3.9	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	90	96	6.5	95	100	5.1	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	98	95	3.1	102	94	8.2	40 - 160	20
Dibromochloromethane	ND	0.50	97	105	7.9	107	112	4.6	67 - 133	20
Ethylbenzene	ND	1.0	95	102	7.1	104	106	1.9	59 - 141	20
m&p-Xylene	ND	1.0	95	102	7.1	105	107	1.9	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	87	95	8.8	95	102	7.1	70 - 130	30
Methylene chloride	ND	1.0	81	87	7.1	87	92	5.6	60 - 140	20
o-Xylene	ND	1.0	95	102	7.1	104	107	2.8	70 - 130	30
Toluene	ND	1.0	102	99	3.0	106	96	9.9	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	92	99	7.3	99	105	5.9	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	100	99	1.0	108	99	8.7	50 - 150	20
Trichloroethene	ND	1.0	87	94	7.7	98	98	0.0	66 - 134	20
Trichlorofluoromethane	ND	1.0	98	105	6.9	108	109	0.9	48 - 152	20
Vinyl chloride	ND	1.0	99	106	6.8	105	109	3.7	40 - 160	20
% 1,2-dichlorobenzene-d4	103	%	100	101	1.0	99	101	2.0	70 - 130	30
% Bromofluorobenzene	95	%	102	99	3.0	100	100	0.0	70 - 130	30
% Dibromofluoromethane	97	%	99	94	5.2	95	94	1.1	70 - 130	30
% Toluene-d8	108	%	106	99	6.8	102	91	11.4	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

m = This parameter is outside laboratory MS/MSD 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
April 03, 2020

Friday, April 03, 2020

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCF58875 - 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

April 03, 2020 SDG I.D.: GCF58875

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

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

NY Temperature Narration

April 03, 2020

SDG I.D.: GCF58875

The samples in this delivery group were received at 1.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [x] No [ ]
Coolant: IPK [x] ICE [ ] No [ ]

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Temp: 8°C Pg of

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery/Contact Options:
[ ] Fax:
[ ] Phone:
[x] Email: jamesw@envirotrac.com

Customer: EnviroTrac
Address: 5 Old Dock Road
Yaphank, NY 11980

Project: Frost Street - OU2
Report to: Jim Wilkinson
Invoice to: EnviroTrac
QUOTE #

Project P.O:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 3/31/20

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs EPA 624.1 + cis-1,2-dichloroethene	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
58875	EX-1A	GW	3/31/2020	501	X					3							
58876	EX-1B	GW	3/31/2020	502	X					3							
58877	EX-1C	GW	3/31/2020	503	X					3							
58878	EX-1D	GW	3/31/2020	504	X					3							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3.31.20	9.57
[signature]	[signature]	3.31.20	15.16

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[x] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[ ] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[ ] GB Mobility
[ ] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: NY

Data Format
[x] Excel
[x] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

Thursday, July 02, 2020

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

Project ID: FROST STREET OU2
SDG ID: GCG24593
Sample ID#s: CG24593 - CG24596

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

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

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

July 02, 2020

SDG I.D.: GCG24593

Project ID: FROST STREET OU2

Client Id	Lab Id	Matrix
EX-1A	CG24593	GROUND WATER
EX-1B	CG24594	GROUND WATER
EX-1C	CG24595	GROUND WATER
EX-1D	CG24596	GROUND WATER

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

July 02, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/30/20	8:50
Location Code:	ENVIROTR	Received by:	B	06/30/20	16:51
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG24593
Phoenix ID: CG24593

Project ID: FROST STREET OU2
Client ID: EX-1A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Benzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	06/30/20	HM	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
cis-1,2-Dichloroethene	3.5	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/20	HM	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	06/30/20	HM	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	06/30/20	HM	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1

Project ID: FROST STREET OU2
Client ID: EX-1A

Phoenix I.D.: CG24593

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Naphthalene	ND	1.0	1.0	ug/L	1	06/30/20	HM	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	06/30/20	HM	E624.1
Tetrachloroethene	73	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Toluene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/20	HM	E624.1
Trichloroethene	5.5	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	108			%	1	06/30/20	HM	70 - 130 %
% Bromofluorobenzene	91			%	1	06/30/20	HM	70 - 130 %
% Dibromofluoromethane	104			%	1	06/30/20	HM	70 - 130 %
% Toluene-d8	99			%	1	06/30/20	HM	70 - 130 %

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 LOD=Limit of Detection MDL=Method Detection Limit1
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:

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Phyllis Shiller, Laboratory Director
July 02, 2020
Reviewed and Released by: Rashmi Makol, Project Manager

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

July 02, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/30/20	8:52
Location Code:	ENVIROTR	Received by:	B	06/30/20	16:51
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG24593
Phoenix ID: CG24594

Project ID: FROST STREET OU2
Client ID: EX-1B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles								
1,1,1-Trichloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1,2,2-tetrachloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1,2-Trichloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichloropropane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,3-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,4-Dichlorobenzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Benzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromodichloromethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromoform	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromomethane	ND	0.50	0.50	ug/L	1	06/30/20	HM	E624.1
Carbon tetrachloride	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chlorobenzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloroethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloroform	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloromethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
cis-1,2-Dichloroethene	7.7	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/20	HM	E624.1
Dibromochloromethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Ethylbenzene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
m&p-Xylene	ND	0.50	0.42	ug/L	1	06/30/20	HM	E624.1
Methyl tert-butyl ether (MTBE)	ND	1.0	0.50	ug/L	1	06/30/20	HM	E624.1
Methylene chloride	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1

Project ID: FROST STREET OU2
Client ID: EX-1B

Phoenix I.D.: CG24594

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Naphthalene	ND	1.0	1.0	ug/L	1	06/30/20	HM	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	06/30/20	HM	E624.1
Tetrachloroethene	280	2.5	1.3	ug/L	5	07/01/20	HM	E624.1
Toluene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/20	HM	E624.1
Trichloroethene	12	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	111			%	1	06/30/20	HM	70 - 130 %
% Bromofluorobenzene	88			%	1	06/30/20	HM	70 - 130 %
% Dibromofluoromethane	106			%	1	06/30/20	HM	70 - 130 %
% Toluene-d8	97			%	1	06/30/20	HM	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	106			%	5	07/01/20	HM	70 - 130 %
% Bromofluorobenzene (5x)	92			%	5	07/01/20	HM	70 - 130 %
% Dibromofluoromethane (5x)	102			%	5	07/01/20	HM	70 - 130 %
% Toluene-d8 (5x)	100			%	5	07/01/20	HM	70 - 130 %

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 LOD=Limit of Detection MDL=Method Detection Limit1
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:

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Phyllis Shiller, Laboratory Director
July 02, 2020
Reviewed and Released by: Rashmi Makol, Project Manager

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

July 02, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/30/20	8:54
Location Code:	ENVIROTR	Received by:	B	06/30/20	16:51
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG24593
Phoenix ID: CG24595

Project ID: FROST STREET OU2
Client ID: EX-1C

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles									
1,1,1-Trichloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1,2,2-tetrachloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1,2-Trichloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1-Dichloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1-Dichloroethene	0.33	J	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichlorobenzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichloropropane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,3-Dichlorobenzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,4-Dichlorobenzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Benzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromodichloromethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromoform	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromomethane	ND		0.50	0.50	ug/L	1	06/30/20	HM	E624.1
Carbon tetrachloride	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chlorobenzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloroform	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloromethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
cis-1,2-Dichloroethene	1.8		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/30/20	HM	E624.1
Dibromochloromethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Ethylbenzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
m&p-Xylene	ND		0.50	0.42	ug/L	1	06/30/20	HM	E624.1
Methyl tert-butyl ether (MTBE)	ND		1.0	0.50	ug/L	1	06/30/20	HM	E624.1
Methylene chloride	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1

Project ID: FROST STREET OU2
Client ID: EX-1C

Phoenix I.D.: CG24595

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Naphthalene	ND	1.0	1.0	ug/L	1	06/30/20	HM	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	06/30/20	HM	E624.1
Tetrachloroethene	98	1.0	0.50	ug/L	2	07/01/20	HM	E624.1
Toluene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/20	HM	E624.1
Trichloroethene	6.7	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	109			%	1	06/30/20	HM	70 - 130 %
% Bromofluorobenzene	91			%	1	06/30/20	HM	70 - 130 %
% Dibromofluoromethane	107			%	1	06/30/20	HM	70 - 130 %
% Toluene-d8	99			%	1	06/30/20	HM	70 - 130 %
% 1,2-dichlorobenzene-d4 (2x)	106			%	2	07/01/20	HM	70 - 130 %
% Bromofluorobenzene (2x)	91			%	2	07/01/20	HM	70 - 130 %
% Dibromofluoromethane (2x)	105			%	2	07/01/20	HM	70 - 130 %
% Toluene-d8 (2x)	99			%	2	07/01/20	HM	70 - 130 %

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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:

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Phyllis Shiller, Laboratory Director
July 02, 2020
Reviewed and Released by: Rashmi Makol, Project Manager

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

July 02, 2020

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		06/30/20	8:56
Location Code:	ENVIROTR	Received by:	B	06/30/20	16:51
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCG24593
Phoenix ID: CG24596

Project ID: FROST STREET OU2
Client ID: EX-1D

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Volatiles									
1,1,1-Trichloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1,2,2-tetrachloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1,2-Trichloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1-Dichloroethane	0.27	J	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,1-Dichloroethene	1.5		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichlorobenzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,2-Dichloropropane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,3-Dichlorobenzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
1,4-Dichlorobenzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Benzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromodichloromethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromoform	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Bromomethane	ND		0.50	0.50	ug/L	1	06/30/20	HM	E624.1
Carbon tetrachloride	0.88		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chlorobenzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloroethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloroform	0.62		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Chloromethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
cis-1,2-Dichloroethene	3.5		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	06/30/20	HM	E624.1
Dibromochloromethane	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Ethylbenzene	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1
m&p-Xylene	ND		0.50	0.42	ug/L	1	06/30/20	HM	E624.1
Methyl tert-butyl ether (MTBE)	ND		1.0	0.50	ug/L	1	06/30/20	HM	E624.1
Methylene chloride	ND		0.50	0.25	ug/L	1	06/30/20	HM	E624.1

Project ID: FROST STREET OU2
Client ID: EX-1D

Phoenix I.D.: CG24596

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
Naphthalene	ND	1.0	1.0	ug/L	1	06/30/20	HM	E624.1
o-Xylene	ND	0.50	0.45	ug/L	1	06/30/20	HM	E624.1
Tetrachloroethene	81	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Toluene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
trans-1,2-Dichloroethene	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	06/30/20	HM	E624.1
Trichloroethene	21	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Trichlorofluoromethane	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
Vinyl chloride	ND	0.50	0.25	ug/L	1	06/30/20	HM	E624.1
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	107			%	1	06/30/20	HM	70 - 130 %
% Bromofluorobenzene	90			%	1	06/30/20	HM	70 - 130 %
% Dibromofluoromethane	105			%	1	06/30/20	HM	70 - 130 %
% Toluene-d8	97			%	1	06/30/20	HM	70 - 130 %

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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
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:

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Phyllis Shiller, Laboratory Director
July 02, 2020
Reviewed and Released by: Rashmi Makol, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 02, 2020

QA/QC Data

SDG I.D.: GCG24593

QA/QC Batch 535793 (ug/L), QC Sample No: CG23337 (CG24593, CG24594, CG24595, CG24596)

Volatiles - Ground Water

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1,1-Trichloroethane	ND	1.0	92	87	5.6	90	96	6.5	75 - 125	20
1,1,2,2-Tetrachloroethane	ND	0.50	104	101	2.9	100	104	3.9	60 - 140	20
1,1,2-Trichloroethane	ND	1.0	94	87	7.7	89	99	10.6	71 - 129	20
1,1-Dichloroethane	ND	1.0	89	83	7.0	87	94	7.7	72 - 128	20
1,1-Dichloroethene	ND	1.0	91	86	5.6	87	95	8.8	50 - 150	20
1,2-Dichlorobenzene	ND	1.0	95	89	6.5	91	103	12.4	63 - 137	20
1,2-Dichloroethane	ND	1.0	92	84	9.1	89	98	9.6	68 - 132	20
1,2-Dichloropropane	ND	1.0	96	86	11.0	89	98	9.6	40 - 160	20
1,3-Dichlorobenzene	ND	1.0	98	90	8.5	95	106	10.9	73 - 127	20
1,4-Dichlorobenzene	ND	1.0	93	85	9.0	89	101	12.6	63 - 137	20
Benzene	ND	0.70	95	87	8.8	88	94	6.6	64 - 136	20
Bromodichloromethane	ND	0.50	95	87	8.8	92	101	9.3	65 - 135	20
Bromoform	ND	1.0	111	100	10.4	107	110	2.8	71 - 129	20
Bromomethane	ND	1.0	72	70	2.8	58	69	17.3	40 - 160	20
Carbon tetrachloride	ND	1.0	92	84	9.1	88	95	7.7	73 - 127	20
Chlorobenzene	ND	1.0	99	88	11.8	94	102	8.2	66 - 134	20
Chloroethane	ND	1.0	77	71	8.1	77	82	6.3	40 - 160	20
Chloroform	ND	1.0	92	83	10.3	92	96	4.3	67 - 133	20
Chloromethane	ND	1.0	79	74	6.5	77	84	8.7	40 - 160	20
cis-1,2-Dichloroethene	ND	1.0	88	82	7.1	86	95	9.9	69 - 131	20
cis-1,3-Dichloropropene	ND	0.40	94	87	7.7	85	96	12.2	40 - 160	20
Dibromochloromethane	ND	0.50	102	95	7.1	99	108	8.7	67 - 133	20
Ethylbenzene	ND	1.0	100	89	11.6	95	102	7.1	59 - 141	20
m&p-Xylene	ND	1.0	101	91	10.4	97	104	7.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	79	74	6.5	78	85	8.6	70 - 130	30
Methylene chloride	ND	1.0	80	74	7.8	81	87	7.1	60 - 140	20
Naphthalene	ND	1.0	111	109	1.8	101	104	2.9	70 - 130	30
o-Xylene	ND	1.0	103	91	12.4	96	105	9.0	70 - 130	30
Tetrachloroethene	ND	1.0	102	91	11.4	94	102	8.2	73 - 127	20
Toluene	ND	1.0	94	86	8.9	88	96	8.7	74 - 126	20
trans-1,2-Dichloroethene	ND	1.0	91	83	9.2	87	94	7.7	69 - 131	20
trans-1,3-Dichloropropene	ND	0.40	96	87	9.8	88	98	10.8	50 - 150	20
Trichloroethene	ND	1.0	96	90	6.5	89	99	10.6	66 - 134	20
Trichlorofluoromethane	ND	1.0	85	80	6.1	84	89	5.8	48 - 152	20
Vinyl chloride	ND	1.0	88	82	7.1	83	89	7.0	40 - 160	20
% 1,2-dichlorobenzene-d4	104	%	99	101	2.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	92	%	99	97	2.0	100	99	1.0	70 - 130	30
% Dibromofluoromethane	106	%	95	99	4.1	103	102	1.0	70 - 130	30
% Toluene-d8	100	%	98	96	2.1	98	98	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Data

SDG I.D.: GCG24593

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 535851 (ug/L), QC Sample No: CG24480 (CG24594 (5X) , CG24595 (2X))										
Volatiles - Ground Water										
Tetrachloroethene	ND	1.0	109	112	2.7	99	103	4.0	73 - 127	20
% 1,2-dichlorobenzene-d4	106	%	100	100	0.0	100	101	1.0	70 - 130	30
% Bromofluorobenzene	93	%	99	99	0.0	100	99	1.0	70 - 130	30
% Dibromofluoromethane	104	%	100	99	1.0	104	98	5.9	70 - 130	30
% Toluene-d8	98	%	97	98	1.0	97	97	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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
July 02, 2020

Thursday, July 02, 2020

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCG24593 - 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

July 02, 2020 SDG I.D.: GCG24593

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

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

NY Temperature Narration

July 02, 2020

SDG I.D.: GCG24593

The samples in this delivery group were received at 1.5°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

WCIP

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐

Temp 1.5 °C Pg of

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery/Contact Options:
☐ Fax:
☐ Phone:
■ Email: jamesw@envirotrac.com

Customer: EnviroTrac
Address: 5 Old Dock Road
Yaphank, NY 11980

Project: Frost Street - OU2
Report to: Jim Wilkinson
Invoice to: EnviroTrac
QUOTE #

Project P.O:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 6/30/2020

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCS EPA 624.1 + CIS-1,2-dichloroethen	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( )oz	GL Soil container ( )oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
24593	EX-1A	GW	6/30	8:50	X					3							
24594	EX-1B	GW	↓	8:52	X					3							
24595	EX-1C	GW	↓	8:54	X					3							
24596	EX-1D	GW	↓	8:56	X					3							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	6-30-20	10:40
[signature]	[signature]	6-30-20	1651

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

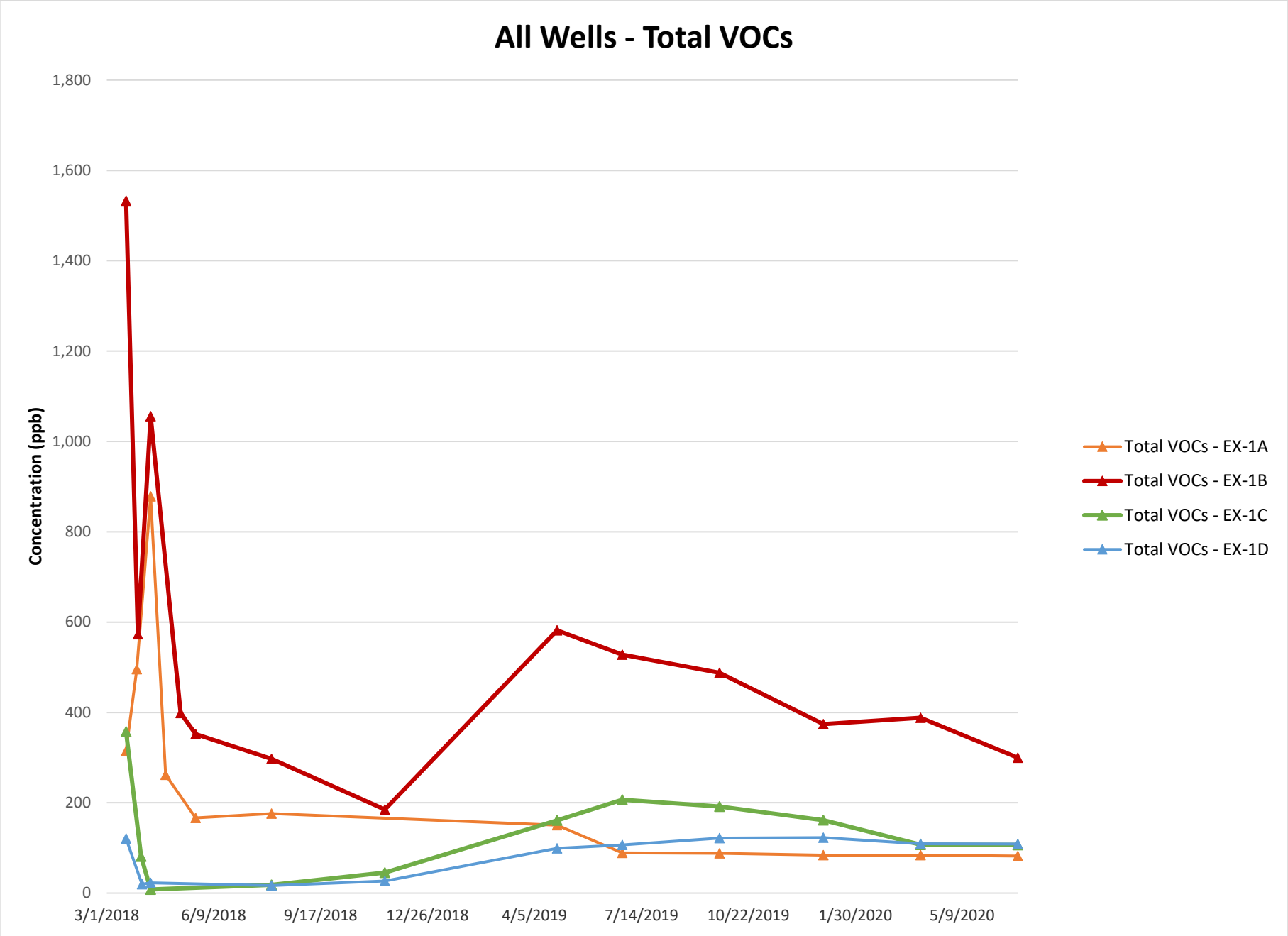
Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

State where samples were collected: NY

* SURCHARGE APPLIES

Appendix D
Groundwater Extraction Well Sampling
Historical Results


All Wells - Total VOCs
Concentration (ppb)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
3/1/2018
6/9/2018
9/17/2018
12/26/2018
4/5/2019
7/14/2019
10/22/2019
1/30/2020
5/9/2020
Total VOCs - EX-1A
Total VOCs - EX-1B
Total VOCs - EX-1C
Total VOCs - EX-1D