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

Via email to Jeffrey.dyber@dec.ny.gov

August 10, 2016

Mr. Jeffrey Dyber, P.E.
NYSDEC, Remedial Bureau A
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7015

Re: Progress Report: July 2016
Frost Street Sites: Site ID #s 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. Dyber:

EnSafe, Inc. is pleased to submit the Progress Report for the Frost Street Sites (Site ID #s 1-30043 I, L, M) for work completed in July 2016.

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

- Operations continued this month, per the O&M Manual. During periodic O&M visits, system parameters were logged on dedicated O&M forms (**Appendix A**).
- The system experienced sporadic downtime throughout the month due to high temperature alarms likely caused by a malfunctioning roof exhaust fan; the fan was repaired on July 26, 2016.
- Quantitative sampling of the SVE system granular activated carbon (GAC) influent and effluent air flow was conducted on July 20, 2016 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**.

Quarterly/Annual Groundwater Monitoring

- The second quarter 2016 groundwater sampling event was completed during the week of June 27, 2016. The samples are being analyzed and will be validated by a third party data validator. Results will be included in a forthcoming report, when available.

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

Sincerely,

EnSafe, Inc., by



Alexandra Stark, P.E.

Copies: A. Tamuno, Esq., NYSDEC	<i>Via email to amtamuno@gw.dec.state.ny.us</i>
G. Bobersky, NYSDEC	<i>Via email to gtbobers@gw.dec.state.ny.us</i>
J. Nealon, NYSDOH	<i>Via email to jacquelyn.nealon@health.ny.gov</i>
J. DeFranco, NCDOH	<i>Via email to jdefranco@nassaucountyny.gov</i>
R. Stallone, Spiegel Associates	<i>Via email to rstallone@spiegelrealty.com</i>
K. Maldonado, Esq.	<i>Via email to kevinmaldonado64@yahoo.com</i>
J. Privitera, Esq.	<i>Via email to privitera@mltw.com</i>
J. LaPoma, U.S. EPA	<i>Via email to lapoma.jennifer@epa.gov</i>
J. Heaney, Walden Associates	<i>Via email to jheaney@walden-associates.com</i>
C. Wise, EnSafe	<i>Via email to cwise@ensafe.com</i>

Appendix A

SVE/AS System O&M Logs

Operation & Maintenance Data Sheet

Ensafe-Frost Street
101 Frost Street
Westbury, NY

EnviroTrac Environmental Services

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

Date: 1-Jul
Weather / Temp: Clear / 80 DEG
Technician / Operator: DW

Arrival Time: 6:00
Departure Time: 7:00

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	ON		OFF		Sensaphone (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	OFF		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		ON						
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4500		884		Blower 1 Total Runtime (hrs)	43,086.2			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	43,832.5			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3.5				Blower 2 Air Filter Differential Pressure ("H2O)	0			
VGAC-1 Influent Vacuum ("H2O)	74				VGAC-1 Influent PID (ppm)	5.0			
VGAC-1 Effluent Vacuum ("H2O)	68				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-2 Influent Vacuum ("H2O)	64				VGAC-2 Influent PID (ppm)	5.0			
VGAC-2 Effluent Vacuum ("H2O)	60				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-3 Influent Pressure ("H2O)	9				VGAC-3 Influent PID (ppm)	0.0			
VGAC-3 Effluent Pressure ("H2O)	2				VGAC-3 Effluent PID (ppm)	0.0			
VGAC-3 Influent Temperature (DegF)	134				Blower Effluent PID (ppm)	0.0			
Blower Effluent Pressure ("H2O)	14								
Transfer Pump Total Runtime (hrs)	25,022.6				Condensate Storage Tank Level (gal)	20			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	48	7500	164		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	40	4600	100	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	50	4750	104		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	40	3200	70	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	42	5200	113		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	42	6500	142	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	42	4200	92		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	44	3300	72	
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs				Compressor 2 Pressure (psi)	77			
Compressor 1 Temperature (degF)	Off for repairs				Compressor 2 Temperature (degF)	180			
Compressor 1 Runtime (hrs)	27,317.0				Compressor 2 Runtime (hrs)				
Manifold Regulator Pressure (psi)	70								
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate				Pressure	Flow Rate		
AS-1 (psi)/(cfm)	17	6			AS-11 (psi)/(cfm)	17	8		
AS-2 (psi)/(cfm)	16	4			AS-12B (psi)/(cfm)	16	6		
AS-3 (psi)/(cfm)	15	10			AS-13B (psi)/(cfm)	16	6		
AS-4 (psi)/(cfm)	15	6			AS-14 (psi)/(cfm)	16	8		
AS-5 (psi)/(cfm)	17	10			AS-15 (psi)/(cfm)	16	8		
AS-6 (psi)/(cfm)	16	7			AS-16B (psi)/(cfm)	16	7		
AS-7 (psi)/(cfm)	17	10			AS-17 (psi)/(cfm)	17	5		
AS-8 (psi)/(cfm)	16	8			AS-18 (psi)/(cfm)	16	7		
AS-9 (psi)/(cfm)	16	9			AS-19 (psi)/(cfm)	16	9		
AS-10B (psi)/(cfm)	16	7							

Notes, Comments & Observations:

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-Jul
Weather / Temp: Clear / 80 DEG
Technician / Operator: DW

Arrival Time: 6:00
Departure Time: 7:00

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	ON		OFF		Sensaphone (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	OFF		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		ON						
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4500		884		Blower 1 Total Runtime (hrs)	43,151.4			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	43,850.4			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3.5				Blower 2 Air Filter Differential Pressure ("H2O)	0			
VGAC-1 Influent Vacuum ("H2O)	74				VGAC-1 Influent PID (ppm)	4.6			
VGAC-1 Effluent Vacuum ("H2O)	68				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-2 Influent Vacuum ("H2O)	64				VGAC-2 Influent PID (ppm)	4.6			
VGAC-2 Effluent Vacuum ("H2O)	60				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-3 Influent Pressure ("H2O)	12				VGAC-3 Influent PID (ppm)	0.0			
VGAC-3 Effluent Pressure ("H2O)	2				VGAC-3 Effluent PID (ppm)	0.0			
VGAC-3 Influent Temperature (DegF)	136				Blower Effluent PID (ppm)	0.0			
Blower Effluent Pressure ("H2O)	13								
Transfer Pump Total Runtime (hrs)	25,022.5				Condensate Storage Tank Level (gal)	20			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	48	7250	158		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	40	4600	100	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	50	4500	98		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	40	3300	72	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	42	5200	113		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	6500	142	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	40	4600	100		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	40	3300	72	
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs				Compressor 2 Pressure (psi)	71			
Compressor 1 Temperature (degF)	Off for repairs				Compressor 2 Temperature (degF)	181			
Compressor 1 Runtime (hrs)	27,317.0				Compressor 2 Runtime (hrs)	16,775.0			
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)	16	8		
AS-2 (psi)/(cfm)	16	5			AS-12B (psi)/(cfm)	16	8		
AS-3 (psi)/(cfm)	15	8			AS-13B (psi)/(cfm)	17	88		
AS-4 (psi)/(cfm)	15	8			AS-14 (psi)/(cfm)	16	8		
AS-5 (psi)/(cfm)	16	10			AS-15 (psi)/(cfm)	18	8		
AS-6 (psi)/(cfm)	17	8			AS-16B (psi)/(cfm)	16	8		
AS-7 (psi)/(cfm)	17	8			AS-17 (psi)/(cfm)	16	4		
AS-8 (psi)/(cfm)	16	8			AS-18 (psi)/(cfm)	15	8		
AS-9 (psi)/(cfm)	15	8			AS-19 (psi)/(cfm)	15	8		
AS-10B (psi)/(cfm)	15	8							

Notes, Comments & Observations:

Ensafe-Frost Street
101 Frost Street
Westbury, NY

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

Arrival Time: 6:00
Departure Time: 7:00

System Status											
		Arrival		Departure				Arrival		Departure	
SVE Blower 1 (ON/OFF)		ON		ON		Sensaphone (ON/OFF)		ON		ON	
SVE Blower 2 (ON/OFF)		OFF		OFF		Surge Protection (ON/OFF)		ON		ON	
AS Compressor 1 (ON/OFF)		OFF		OFF		Lightning Protection (White/Black)		White		White	
AS Compressor 2 (ON/OFF)		OFF		ON							
Soil Vapor Extraction System											
Blower Air Velocity/Flow Rate (fpm)/(cfm)		4500		884		Blower 1 Total Runtime (hrs)		43,256.3			
Blower 1 Fresh Air Valve Open (%)		0				Blower 2 Total Runtime (hrs)		43,946.8			
Blower 2 Fresh Air Valve Open (%)		0				Blower 1 Air Filter Differential Pressure ("H2O)		0			
Moisture Separator Vacuum ("Hg)		3.5				Blower 2 Air Filter Differential Pressure ("H2O)		0			
VGAC-1 Influent Vacuum ("H2O)		76				VGAC-1 Influent PID (ppm)		5.0			
VGAC-1 Effluent Vacuum ("H2O)		68				VGAC-1 Effluent PID (ppm)		0.0			
VGAC-2 Influent Vacuum ("H2O)		66				VGAC-2 Influent PID (ppm)		5.0			
VGAC-2 Effluent Vacuum ("H2O)		58				VGAC-2 Effluent PID (ppm)		0.0			
VGAC-3 Influent Pressure ("H2O)		12				VGAC-3 Influent PID (ppm)		0.0			
VGAC-3 Effluent Pressure ("H2O)		2				VGAC-3 Effluent PID (ppm)		0.0			
VGAC-3 Influent Temperature (DegF)		138				Blower Effluent PID (ppm)		0.0			
Blower Effluent Pressure ("H2O)		14									
Transfer Pump Total Runtime (hrs)		25,022.5				Condensate Storage Tank Level (gal)		20			
SVE Manifold Legs - Vacuum/Flow Rate/PID											
		Vacuum	Velocity	Flow Rate	PID			Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)		50	7000	153		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)		40	5200	113	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)		40	4500	98		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)		40	3300	72	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)		40	4500	98		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)		40	6500	142	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)		42	4600	100		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)		40	3300	72	
Air Sparge System											
Compressor 1 Pressure (psi)		Off for repairs				Compressor 2 Pressure (psi)		69			
Compressor 1 Temperature (degF)		Off for repairs				Compressor 2 Temperature (degF)		203			
Compressor 1 Runtime (hrs)		27,317.0				Compressor 2 Runtime (hrs)		16,831.0			
Manifold Regulator Pressure (psi)		65									
AS Manifold Legs - Pressure/Flow Rate											
		Pressure		Flow Rate				Pressure		Flow Rate	
AS-1 (psi)/(cfm)		18		4		AS-11 (psi)/(cfm)		15		8	
AS-2 (psi)/(cfm)		16		6		AS-12B (psi)/(cfm)		15		8	
AS-3 (psi)/(cfm)		16		8		AS-13B (psi)/(cfm)		16		8	
AS-4 (psi)/(cfm)		16		8		AS-14 (psi)/(cfm)		18		8	
AS-5 (psi)/(cfm)		16		8		AS-15 (psi)/(cfm)		16		8	
AS-6 (psi)/(cfm)		17		8		AS-16B (psi)/(cfm)		15		8	
AS-7 (psi)/(cfm)		17		8		AS-17 (psi)/(cfm)		15		4	
AS-8 (psi)/(cfm)		17		8		AS-18 (psi)/(cfm)		15		8	
AS-9 (psi)/(cfm)		15		8		AS-19 (psi)/(cfm)		15		8	
AS-10B (psi)/(cfm)		15		8							

Notes, Comments & Observations:

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: 20-Jul
Weather / Temp: Clear / 93 DEG
Technician / Operator: JW

Arrival Time: 9:30
Departure Time: 12:30

System Status									
	Arrival		Departure			Arrival		Departure	
SVE Blower 1 (ON/OFF)	ON		ON		Sensaphone (ON/OFF)	ON		ON	
SVE Blower 2 (ON/OFF)	OFF		OFF		Surge Protection (ON/OFF)	ON		ON	
AS Compressor 1 (ON/OFF)	OFF		OFF		Lightning Protection (White/Black)	White		White	
AS Compressor 2 (ON/OFF)	OFF		ON						
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4500		884		Blower 1 Total Runtime (hrs)	43,317.0			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	44,000.0			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3.5				Blower 2 Air Filter Differential Pressure ("H2O)	0			
VGAC-1 Influent Vacuum ("H2O)	64				VGAC-1 Influent PID (ppm)	2.1			
VGAC-1 Effluent Vacuum ("H2O)	72				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-2 Influent Vacuum ("H2O)	58				VGAC-2 Influent PID (ppm)	2.1			
VGAC-2 Effluent Vacuum ("H2O)	60				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-3 Influent Vacuum ("H2O)	60				VGAC-3 Influent PID (ppm)	0.0			
VGAC-3 Effluent Vacuum ("H2O)	66				VGAC-3 Effluent PID (ppm)	0.0			
Blower Effluent Temp (DegF)	158				Blower Effluent PID (ppm)	0.0			
Blower Effluent Pressure ("H2O)	10								
Transfer Pump Total Runtime (hrs)	25,022.6				Condensate Storage Tank Level (gal)	20			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	48	7500	164	3.5	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	40	4600	100	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	50	5000	109	1.5	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	42	3200	70	0.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	42	5300	116	0.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	6500	142	0.0
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	40	4600	100	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	43	3300	72	0.0
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs				Compressor 2 Pressure (psi)	71			
Compressor 1 Temperature (degF)	Off for repairs				Compressor 2 Temperature (degF)	206			
Compressor 1 Runtime (hrs)	27,317.0				Compressor 2 Runtime (hrs)	16,832.0			
Manifold Regulator Pressure (psi)	60								
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate				Pressure	Flow Rate		
AS-1 (psi)/(cfm)	15	7			AS-11 (psi)/(cfm)	15	6		
AS-2 (psi)/(cfm)	15	7			AS-12B (psi)/(cfm)	14.5	8		
AS-3 (psi)/(cfm)	14	10			AS-13B (psi)/(cfm)	15	8		
AS-4 (psi)/(cfm)	15	7			AS-14 (psi)/(cfm)	16	10		
AS-5 (psi)/(cfm)	15	10			AS-15 (psi)/(cfm)	15.5	8		
AS-6 (psi)/(cfm)	15	8			AS-16B (psi)/(cfm)	15	10		
AS-7 (psi)/(cfm)	15	7			AS-17 (psi)/(cfm)	16	6		
AS-8 (psi)/(cfm)	15	8			AS-18 (psi)/(cfm)	15	7		
AS-9 (psi)/(cfm)	15	9			AS-19 (psi)/(cfm)	15	9		
AS-10B (psi)/(cfm)	15	10							

Notes, Comments & Observations:

Switched GAC-3 to influent side of blower.

Ensafe-Frost Street
101 Frost Street
Westbury, NY

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

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

System Status											
	Arrival		Departure			Arrival		Departure			
SVE Blower 1	(ON/OFF)	ON	ON	Sensaphone	(ON/OFF)	ON	ON				
SVE Blower 2	(ON/OFF)	OFF	OFF	Surge Protection	(ON/OFF)	ON	ON				
AS Compressor 1	(ON/OFF)	OFF	OFF	Lightning Protection	(White/Black)	White	White				
AS Compressor 2	(ON/OFF)	ON	ON								
Soil Vapor Extraction System											
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4700		923	Blower 1 Total Runtime (hrs)	43,416.8						
Blower 1 Fresh Air Valve Open (%)	0			Blower 2 Total Runtime (hrs)	44,093.6						
Blower 2 Fresh Air Valve Open (%)	0			Blower 1 Air Filter Differential Pressure ("H2O)	0						
Moisture Separator Vacuum ("Hg)	4			Blower 2 Air Filter Differential Pressure ("H2O)	0						
VGAC-1 Influent Vacuum ("H2O)	56			VGAC-1 Influent PID (ppm)	5.4						
VGAC-1 Effluent Vacuum ("H2O)	55			VGAC-1 Effluent PID (ppm)	0.0						
VGAC-2 Influent Vacuum ("H2O)	54			VGAC-2 Influent PID (ppm)	5.4						
VGAC-2 Effluent Vacuum ("H2O)	55			VGAC-2 Effluent PID (ppm)	0.0						
VGAC-3 Influent Vacuum ("H2O)	65			VGAC-3 Influent PID (ppm)	0.0						
VGAC-3 Effluent Vacuum ("H2O)	69			VGAC-3 Effluent PID (ppm)	0.0						
Blower Effluent Temp (DegF)	130			Blower Effluent PID (ppm)	0.0						
Blower Effluent Pressure ("H2O)	8										
Transfer Pump Total Runtime (hrs)	25,022.6			Condensate Storage Tank Level (gal)	20						
SVE Manifold Legs - Vacuum/Flow Rate/PID											
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID		
SVE-1	("H2O)/(FPM)/(cfm)/(ppm)	44	7000	153		SVE-4	("H2O)/(FPM)/(cfm)/(ppm)	36	4200	92	0.0
SVE-2	("H2O)/(FPM)/(cfm)/(ppm)	46	5000	109		SVE-5	("H2O)/(FPM)/(cfm)/(ppm)	38	3000	65	
SVE-3	("H2O)/(FPM)/(cfm)/(ppm)	38	5000	109		SVE-6B	("H2O)/(FPM)/(cfm)/(ppm)	36	6000	131	
SVE-3A	("H2O)/(FPM)/(cfm)/(ppm)	36	4000	87		SVE-7	("H2O)/(FPM)/(cfm)/(ppm)	38	3000	65	
Air Sparge System											
Compressor 1 Pressure (psi)	Off for repairs				Compressor 2 Pressure (psi)	74					
Compressor 1 Temperature (degF)	Off for repairs				Compressor 2 Temperature (degF)	199					
Compressor 1 Runtime (hrs)	27,317.0				Compressor 2 Runtime (hrs)	16,874.0					
Manifold Regulator Pressure (psi)	50										
AS Manifold Legs - Pressure/Flow Rate											
	Pressure	Flow Rate			Pressure	Flow Rate					
AS-1	(psi)/(cfm)	15	8	AS-11	(psi)/(cfm)	15	6				
AS-2	(psi)/(cfm)	15	8	AS-12B	(psi)/(cfm)	15	8				
AS-3	(psi)/(cfm)	16	10	AS-13B	(psi)/(cfm)	15	8				
AS-4	(psi)/(cfm)	17	8	AS-14	(psi)/(cfm)	15	8				
AS-5	(psi)/(cfm)	18	8	AS-15	(psi)/(cfm)	15	8				
AS-6	(psi)/(cfm)	19	8	AS-16B	(psi)/(cfm)	15	8				
AS-7	(psi)/(cfm)	20	8	AS-17	(psi)/(cfm)	15	8				
AS-8	(psi)/(cfm)	21	8	AS-18	(psi)/(cfm)	15	8				
AS-9	(psi)/(cfm)	15	8	AS-19	(psi)/(cfm)	15	8				
AS-10B	(psi)/(cfm)	15	8								

Notes, Comments & Observations:

Appendix B

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



Monday, July 25, 2016

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

Project ID: FROST ST.
Sample ID#s: BN77941 - BN77942

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.

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

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

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
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
VT Lab Registration #VT11301



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



Analysis Report

July 25, 2016

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

Sample Information

Matrix: AIR
Location Code: ENVIOTR
Rush Request: 72 Hour
P.O.#:
Canister Id: 842

Custody Information

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

Date Time
07/20/16 11:01
07/21/16 16:30

Project ID: FROST ST.
Client ID: EFFLUENT

Laboratory Data

SDG ID: GBN77941
Phoenix ID: BN77941

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	07/21/16	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	07/21/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	07/21/16	KCA	1	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	07/21/16	KCA	1	
1,1-Dichloroethane	ND	0.247	ND	1.00	07/21/16	KCA	1	
1,1-Dichloroethene	ND	0.252	ND	1.00	07/21/16	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	07/21/16	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	07/21/16	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	07/21/16	KCA	1	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	07/21/16	KCA	1	
1,2-Dichloroethane	ND	0.247	ND	1.00	07/21/16	KCA	1	
1,2-dichloropropane	ND	0.217	ND	1.00	07/21/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	07/21/16	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	07/21/16	KCA	1	
1,3-Butadiene	ND	0.452	ND	1.00	07/21/16	KCA	1	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	07/21/16	KCA	1	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	07/21/16	KCA	1	
1,4-Dioxane	ND	0.278	ND	1.00	07/21/16	KCA	1	
2-Hexanone(MBK)	0.684	0.244	2.80	1.00	07/21/16	KCA	1	1
4-Ethyltoluene	ND	0.204	ND	1.00	07/21/16	KCA	1	1
4-Isopropyltoluene	ND	0.182	ND	1.00	07/21/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	07/21/16	KCA	1	
Acetone	12.3	0.421	29.2	1.00	07/21/16	KCA	1	
Acrylonitrile	ND	0.461	ND	1.00	07/21/16	KCA	1	
Benzene	2.73	0.313	8.72	1.00	07/21/16	KCA	1	
Benzyl chloride	ND	0.193	ND	1.00	07/21/16	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.149	ND	1.00	07/21/16	KCA	1	
Bromoform	ND	0.097	ND	1.00	07/21/16	KCA	1	
Bromomethane	ND	0.258	ND	1.00	07/21/16	KCA	1	
Carbon Disulfide	ND	0.321	ND	1.00	07/21/16	KCA	1	
Carbon Tetrachloride	ND	0.040	ND	0.25	07/21/16	KCA	1	
Chlorobenzene	ND	0.217	ND	1.00	07/21/16	KCA	1	
Chloroethane	ND	0.379	ND	1.00	07/21/16	KCA	1	
Chloroform	ND	0.205	ND	1.00	07/21/16	KCA	1	
Chloromethane	ND	0.485	ND	1.00	07/21/16	KCA	1	
Cis-1,2-Dichloroethene	344	2.52	1360	10.0	07/21/16	KCA	10	
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	07/21/16	KCA	1	
Cyclohexane	ND	0.291	ND	1.00	07/21/16	KCA	1	
Dibromochloromethane	ND	0.118	ND	1.00	07/21/16	KCA	1	
Dichlorodifluoromethane	ND	0.202	ND	1.00	07/21/16	KCA	1	
Ethanol	1.60	S 0.531	3.01	1.00	07/21/16	KCA	1	1
Ethyl acetate	ND	0.278	ND	1.00	07/21/16	KCA	1	1
Ethylbenzene	ND	0.230	ND	1.00	07/21/16	KCA	1	
Heptane	ND	0.244	ND	1.00	07/21/16	KCA	1	
Hexachlorobutadiene	ND	0.094	ND	1.00	07/21/16	KCA	1	
Hexane	ND	0.284	ND	1.00	07/21/16	KCA	1	
Isopropylalcohol	ND	0.407	ND	1.00	07/21/16	KCA	1	
Isopropylbenzene	5.33	0.204	26.2	1.00	07/21/16	KCA	1	
m,p-Xylene	ND	0.230	ND	1.00	07/21/16	KCA	1	
Methyl Ethyl Ketone	2.69	0.339	7.93	1.00	07/21/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	07/21/16	KCA	1	
Methylene Chloride	ND	0.288	ND	1.00	07/21/16	KCA	1	
n-Butylbenzene	ND	0.182	ND	1.00	07/21/16	KCA	1	1
o-Xylene	ND	0.230	ND	1.00	07/21/16	KCA	1	
Propylene	ND	0.581	ND	1.00	07/21/16	KCA	1	1
sec-Butylbenzene	ND	0.182	ND	1.00	07/21/16	KCA	1	1
Styrene	ND	0.235	ND	1.00	07/21/16	KCA	1	
Tetrachloroethene	0.137	0.037	0.93	0.25	07/21/16	KCA	1	
Tetrahydrofuran	0.804	0.339	2.37	1.00	07/21/16	KCA	1	1
Toluene	0.348	0.266	1.31	1.00	07/21/16	KCA	1	
Trans-1,2-Dichloroethene	2.71	0.252	10.7	1.00	07/21/16	KCA	1	
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	07/21/16	KCA	1	
Trichloroethene	ND	0.047	ND	0.25	07/21/16	KCA	1	
Trichlorofluoromethane	0.305	0.178	1.71	1.00	07/21/16	KCA	1	
Trichlorotrifluoroethane	ND	0.131	ND	1.00	07/21/16	KCA	1	
Vinyl Chloride	ND	0.098	ND	0.25	07/21/16	KCA	1	
<u>QA/QC Surrogates</u>								
% Bromofluorobenzene	104	%	104	%	07/21/16	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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1 = This parameter is not certified by 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

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

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

July 25, 2016

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

July 25, 2016

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

Sample Information

Matrix: AIR
Location Code: ENVIOTR
Rush Request: 72 Hour
P.O.#:
Canister Id: 744

Custody Information

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

Date

07/20/16 11:06
07/21/16 16:30

Time

Project ID: FROST ST.
Client ID: INFLUENT

Laboratory Data

SDG ID: GBN77941
Phoenix ID: BN77942

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>								
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	07/21/16	KCA	1	1
1,1,1-Trichloroethane	1.09	0.183	5.94	1.00	07/21/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	07/21/16	KCA	1	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	07/21/16	KCA	1	
1,1-Dichloroethane	ND	0.247	ND	1.00	07/21/16	KCA	1	
1,1-Dichloroethene	ND	0.252	ND	1.00	07/21/16	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	07/21/16	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	07/21/16	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	07/21/16	KCA	1	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	07/21/16	KCA	1	
1,2-Dichloroethane	ND	0.247	ND	1.00	07/21/16	KCA	1	
1,2-dichloropropane	ND	0.217	ND	1.00	07/21/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	07/21/16	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	07/21/16	KCA	1	
1,3-Butadiene	ND	0.452	ND	1.00	07/21/16	KCA	1	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	07/21/16	KCA	1	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	07/21/16	KCA	1	
1,4-Dioxane	ND	0.278	ND	1.00	07/21/16	KCA	1	
2-Hexanone(MBK)	ND	0.244	ND	1.00	07/21/16	KCA	1	1
4-Ethyltoluene	ND	0.204	ND	1.00	07/21/16	KCA	1	1
4-Isopropyltoluene	ND	0.182	ND	1.00	07/21/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	07/21/16	KCA	1	
Acetone	1.37	S 0.421	3.25	1.00	07/21/16	KCA	1	
Acrylonitrile	ND	0.461	ND	1.00	07/21/16	KCA	1	
Benzene	ND	0.313	ND	1.00	07/21/16	KCA	1	
Benzyl chloride	ND	0.193	ND	1.00	07/21/16	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.149	ND	1.00	07/21/16	KCA	1	
Bromoform	ND	0.097	ND	1.00	07/21/16	KCA	1	
Bromomethane	ND	0.258	ND	1.00	07/21/16	KCA	1	
Carbon Disulfide	ND	0.321	ND	1.00	07/21/16	KCA	1	
Carbon Tetrachloride	0.081	0.040	0.51	0.25	07/21/16	KCA	1	
Chlorobenzene	ND	0.217	ND	1.00	07/21/16	KCA	1	
Chloroethane	ND	0.379	ND	1.00	07/21/16	KCA	1	
Chloroform	ND	0.205	ND	1.00	07/21/16	KCA	1	
Chloromethane	ND	0.485	ND	1.00	07/21/16	KCA	1	
Cis-1,2-Dichloroethene	63.3	3.79	251	15.0	07/22/16	KCA	15	
cis-1,3-Dichloropropene	ND	0.221	ND	1.00	07/21/16	KCA	1	
Cyclohexane	ND	0.291	ND	1.00	07/21/16	KCA	1	
Dibromochloromethane	ND	0.118	ND	1.00	07/21/16	KCA	1	
Dichlorodifluoromethane	0.524	0.202	2.59	1.00	07/21/16	KCA	1	
Ethanol	1.13	S 0.531	2.13	1.00	07/21/16	KCA	1	1
Ethyl acetate	ND	0.278	ND	1.00	07/21/16	KCA	1	1
Ethylbenzene	ND	0.230	ND	1.00	07/21/16	KCA	1	
Heptane	ND	0.244	ND	1.00	07/21/16	KCA	1	
Hexachlorobutadiene	ND	0.094	ND	1.00	07/21/16	KCA	1	
Hexane	ND	0.284	ND	1.00	07/21/16	KCA	1	
Isopropylalcohol	0.994	S 0.407	2.44	1.00	07/21/16	KCA	1	
Isopropylbenzene	ND	0.204	ND	1.00	07/21/16	KCA	1	
m,p-Xylene	ND	0.230	ND	1.00	07/21/16	KCA	1	
Methyl Ethyl Ketone	0.508	0.339	1.50	1.00	07/21/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	07/21/16	KCA	1	
Methylene Chloride	ND	0.288	ND	1.00	07/21/16	KCA	1	
n-Butylbenzene	ND	0.182	ND	1.00	07/21/16	KCA	1	1
o-Xylene	ND	0.230	ND	1.00	07/21/16	KCA	1	
Propylene	ND	0.581	ND	1.00	07/21/16	KCA	1	1
sec-Butylbenzene	ND	0.182	ND	1.00	07/21/16	KCA	1	1
Styrene	ND	0.235	ND	1.00	07/21/16	KCA	1	
Tetrachloroethene	1870	11.1	12700	75.2	07/21/16	KCA	300	
Tetrahydrofuran	ND	0.339	ND	1.00	07/21/16	KCA	1	1
Toluene	ND	0.266	ND	1.00	07/21/16	KCA	1	
Trans-1,2-Dichloroethene	0.862	0.252	3.42	1.00	07/21/16	KCA	1	
trans-1,3-Dichloropropene	ND	0.221	ND	1.00	07/21/16	KCA	1	
Trichloroethene	171	0.698	918	3.75	07/22/16	KCA	15	
Trichlorofluoromethane	0.285	0.178	1.60	1.00	07/21/16	KCA	1	
Trichlorotrifluoroethane	ND	0.131	ND	1.00	07/21/16	KCA	1	
Vinyl Chloride	ND	0.098	ND	0.25	07/21/16	KCA	1	
<u>QA/QC Surrogates</u>								
% Bromofluorobenzene	108	%	108	%	07/21/16	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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1 = This parameter is not certified by 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

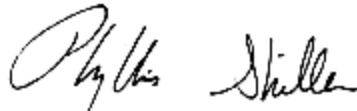
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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Phyllis Shiller, Laboratory Director

July 25, 2016

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



QA/QC Report

July 25, 2016

QA/QC Data

SDG I.D.: GBN77941

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 352972 (ppbv), QC Sample No: BN76748 (BN77941 (1X, 10X) , BN77942 (1X, 300X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.183	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.183	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.247	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.252	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	138	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	107	22.5	22.0	4.58	4.48	2.2	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.166	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.247	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.216	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	103	12.9	12.5	2.62	2.54	3.1	70 - 130	25
1,3-Butadiene	ND	0.452	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.166	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.166	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.278	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.244	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.204	ND	1.00	103	11.6	11.5	2.36	2.35	0.4	70 - 130	25
4-Isopropyltoluene	ND	0.182	ND	1.00	96	1.55	1.47	0.282	0.268	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.421	ND	1.00	91	11.5	11.0	4.86	4.62	5.1	70 - 130	25
Acrylonitrile	ND	0.461	ND	1.00	83	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.313	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.193	ND	1.00	124	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.149	ND	1.00	102	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	0.257	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.321	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.040	ND	0.25	104	0.52	0.57	0.083	0.090	NC	70 - 130	25
Chlorobenzene	ND	0.217	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.379	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.205	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.484	ND	1.00	98	1.14	1.06	0.550	0.514	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.291	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.117	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.202	ND	1.00	98	2.57	2.44	0.520	0.494	NC	70 - 130	25
Ethanol	ND	0.531	ND	1.00	82	23.2	22.6	12.3	12.0	2.5	70 - 130	25

QA/QC Data

SDG I.D.: GBN77941

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	0.278	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.244	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	120	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.284	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.407	ND	1.00	89	3.73 S	3.54 S	1.52 S	1.44 S	NC	70 - 130	25
Isopropylbenzene	ND	0.204	ND	1.00	96	2.07	1.92	0.422	0.391	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	102	1.19	1.22	0.274	0.281	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.339	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.277	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.288	ND	1.00	98	3.65 S	3.44 S	1.05 S	0.992 S	NC	70 - 130	25
n-Butylbenzene	ND	0.182	ND	1.00	99	1.52	1.52	0.277	0.277	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	100	1.15	1.12	0.265	0.258	NC	70 - 130	25
Propylene	ND	0.581	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.182	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.235	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	92	358	357	52.8	52.7	0.2	70 - 130	25
Tetrahydrofuran	ND	0.339	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.266	ND	1.00	102	3.00	3.08	0.796	0.818	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.047	ND	0.25	103	0.44	0.37	0.082	0.069	NC	70 - 130	25
Trichlorofluoromethane	ND	0.178	ND	1.00	108	1.63	1.65	0.291	0.293	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.131	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.098	ND	0.25	94	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	100	%	100	%	97	107	104	107	104	NC	70 - 130	25

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

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

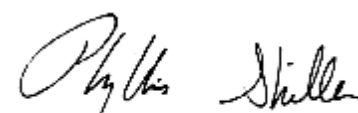
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference


 Phyllis Shiller, Laboratory Director
 July 25, 2016

Monday, July 25, 2016

Criteria: None

State: NY

Sample Criteria Exceedences Report

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GBN77941 - ENVIROTR

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

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



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Analysis Comments

July 25, 2016

SDG I.D.: GBN77941

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

