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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

July 11, 2016

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

Re: Progress Report: June 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 June 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**).
- Quantitative sampling of the SVE system granular activated carbon (GAC) influent and effluent air flow was conducted on June 9, 2016 using Summa canisters. These samples were obtained by EnviroTrac, submitted to Chemtech, and analyzed by Method TO-15. Results are included in **Appendix B**.

Quarterly/Annual Groundwater Monitoring

- The first quarter 2016 groundwater sampling event was completed during the week of April 4, 2016. Results were included in the First Quarter Groundwater Monitoring Report, submitted on June 21, 2016.
- 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 regarding this progress report, 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: 9-Jun
Weather / Temp: Clear / 62 DEG
Technician / Operator: DW

Arrival Time: 11:00
Departure Time: 12:30

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)	4400		864		Blower 1 Total Runtime (hrs)	42,834.2			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	43,548.5			
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)	70				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)	64				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)	140				Blower Effluent PID (ppm)	0.0			
Blower Effluent Pressure ("H2O)	13								
Transfer Pump Total Runtime (hrs)	25,022.5				Condensate Storage Tank Level (gal)	<50			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	46	7500	164	8.0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	40	4500	98	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	50	4750	104	2.5	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	40	3200	70	0.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	40	5200	113	0.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	40	6500	142	19.0
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	40	4600	100	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	42	3200	70	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)	200			
Compressor 1 Runtime (hrs)	27,317.0				Compressor 2 Runtime (hrs)	16,621.0			
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:

TOOK INF/EFF SUMAS

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: 16-Jun
Weather / Temp: Clear / 70 DEG
Technician / Operator: DW

Arrival Time: 11:00
Departure Time: 12:30

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)	42,922.0			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	43,632.5			
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)	4.8			
VGAC-1 Effluent Vacuum ("H2O)	68				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-2 Influent Vacuum ("H2O)	66				VGAC-2 Influent PID (ppm)	4.8			
VGAC-2 Effluent Vacuum ("H2O)	64				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)	146				Blower Effluent PID (ppm)	0.0			
Blower Effluent Pressure ("H2O)	13								
Transfer Pump Total Runtime (hrs)	25,022.5				Condensate Storage Tank Level (gal)	<50			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	46	7500	164		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	40	4500	98	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	50	4750	104		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	40	3200	70	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	40	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)	42	3200	70	
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs				Compressor 2 Pressure (psi)	76			
Compressor 1 Temperature (degF)	Off for repairs				Compressor 2 Temperature (degF)	185			
Compressor 1 Runtime (hrs)	27,317.0				Compressor 2 Runtime (hrs)	16,672.0			
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)	16	8		
AS-2 (psi)/(cfm)	17	5			AS-12B (psi)/(cfm)	17	7		
AS-3 (psi)/(cfm)	16	10			AS-13B (psi)/(cfm)	16	8		
AS-4 (psi)/(cfm)	16	8			AS-14 (psi)/(cfm)	16	8		
AS-5 (psi)/(cfm)	16	10			AS-15 (psi)/(cfm)	16	8		
AS-6 (psi)/(cfm)	16	8			AS-16B (psi)/(cfm)	17	8		
AS-7 (psi)/(cfm)	16	8			AS-17 (psi)/(cfm)	16	6		
AS-8 (psi)/(cfm)	16	9			AS-18 (psi)/(cfm)	16	8		
AS-9 (psi)/(cfm)	16	8			AS-19 (psi)/(cfm)	16	8		
AS-10B (psi)/(cfm)	16	6							

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: 23-Jun
Weather / Temp: Clear / 70 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)	43,500.3			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	43,710.4			
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)	6.4			
VGAC-1 Effluent Vacuum ("H2O)	64				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-2 Influent Vacuum ("H2O)	64				VGAC-2 Influent PID (ppm)	6.4			
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)	148				Blower Effluent PID (ppm)	0.0			
Blower Effluent Pressure ("H2O)	13								
Transfer Pump Total Runtime (hrs)	25,022.5				Condensate Storage Tank Level (gal)	<50			
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)	40	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)	42	3300	72	
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)	197			
Compressor 1 Runtime (hrs)	27,317.0				Compressor 2 Runtime (hrs)	16,721.0			
Manifold Regulator Pressure (psi)	70								
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate				Pressure	Flow Rate		
AS-1 (psi)/(cfm)	17	5			AS-11 (psi)/(cfm)	16	7		
AS-2 (psi)/(cfm)	15	8			AS-12B (psi)/(cfm)	16	5		
AS-3 (psi)/(cfm)	15	9			AS-13B (psi)/(cfm)	15	6		
AS-4 (psi)/(cfm)	15	6			AS-14 (psi)/(cfm)	16	7		
AS-5 (psi)/(cfm)	16	9			AS-15 (psi)/(cfm)	16	7		
AS-6 (psi)/(cfm)	16	6			AS-16B (psi)/(cfm)	15	7		
AS-7 (psi)/(cfm)	16	20 (?)			AS-17 (psi)/(cfm)	16	5		
AS-8 (psi)/(cfm)	16	7			AS-18 (psi)/(cfm)	15	7		
AS-9 (psi)/(cfm)	16	8			AS-19 (psi)/(cfm)	16	9		
AS-10B (psi)/(cfm)	15	7							

Notes, Comments & Observations:

Appendix B

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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : FROST STREET SITES / SPGL 100.03

ENVIROTRAC ENVIRONMENTAL SERVICES

5 Old Dock Road

Yaphank, NY - 11980

Phone No: 631-924-3001

ORDER ID : H3579

ATTENTION : James Wilkinson



DoD ELAP

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1

2

3

4

5

6

Cover Page

Order ID : H3579

Project ID : Frost Street Sites / SPGL 100.03

Client : Envirotrac Environmental Services

Lab Sample Number

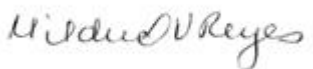
H3579-01
H3579-02

Client Sample Number

INF
EFF

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _



APPROVED

Date: 6/24/2016
By Mildred V Reyes, QAQC Supervisor at 3:06 pm, Jun 24, 2016

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Envirotrac Environmental Services

Project Name: Frost Street Sites / SPGL 100.03

Project # N/A

Chemtech Project # H3579

Test Name: TO-15

A. Number of Samples and Date of Receipt:

2 Air samples were received on 06/13/2016.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: TO-15. This data package contains results for TO-15.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator. The analysis of TO-15 was based on method TO-15.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD recoveries met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis indicated presence of Acetone[0.21 ppbv]

FileID:VL027984.D{VL0614ABL01}, Methylene Chloride[0.11 ppbv]
FileID:VL027984.D{VL0614ABL01} due to possible lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration File ID VL027983.D met the requirements except for 1,4-Dioxane .

The Tuning criteria met requirements.

Samples INF was diluted due to bad matrix.

Samples INF, INFDL and EFF were diluted due to high concentrations.

E. Additional Comments:

F. Manual Integration Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 3:06 pm, Jun 24, 2016

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: H3579

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: SHREENA PATEL

Date: 06/24/2016

2nd Level QA Review Signature: Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 3:06 pm, Jun 24, 2016



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	H3579	OrderDate:	6/13/2016 4:43:00 PM
Client:	Envirotrac Environmental Services	Project:	Frost Street Sites / SPGL 100.03
Contact:	James Wilkinson	Location:	--Select--

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
H3579-01	INF	Air	TO-15	TO-15	06/09/16		06/15/16	06/13/16
H3579-01DL	INFDL	Air	TO-15	TO-15	06/09/16		06/15/16	06/13/16
H3579-01DL 2	INFDL2	Air	TO-15	TO-15	06/09/16		06/15/16	06/13/16
H3579-02	EFF	Air	TO-15	TO-15	06/09/16		06/14/16	06/13/16
H3579-02DL	EFFDL	Air	TO-15	TO-15	06/09/16		06/15/16	06/13/16

Hit Summary Sheet SW-846

SDG No.: H3579

Client: Envirotrac Environmental Services

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	INF								
H3579-01	INF	Air	Acetone	11.20	JB	0.29	2.38	11.9	ug/m3
H3579-01	INF	Air	cis-1,2-Dichloroethene	295.00		0.71	3.96	19.8	ug/m3
H3579-01	INF	Air	1,1,1-Trichloroethane	3.82		0.65	1.64	1.64	ug/m3
H3579-01	INF	Air	Trichloroethene	806.00		0.81	1.61	1.61	ug/m3
H3579-01	INF	Air	Toluene	3.77	J	0.45	3.77	18.8	ug/m3
H3579-01	INF	Air	Tetrachloroethene	7,459.00	E	1.15	2.03	2.03	ug/m3
			Total Voc :	8578.79					
			Total Concentration:	8578.79					
Client ID:	INFDL								
H3579-01DL	INFDL	Air	cis-1,2-Dichloroethene	245.00	D	2.85	15.9	79.3	ug/m3
H3579-01DL	INFDL	Air	Trichloroethene	752.00	D	3.28	6.45	6.45	ug/m3
H3579-01DL	INFDL	Air	Tetrachloroethene	12,206.00	ED	4.54	8.14	8.14	ug/m3
			Total Voc :	13203					
			Total Concentration:	13203					
Client ID:	INFDL2								
H3579-01DL2	INFDL2	Air	Trichloroethene	1,074.00	D	98.9	193	193	ug/m3
H3579-01DL2	INFDL2	Air	Tetrachloroethene	29,159.00	D	136	244	244	ug/m3
			Total Voc :	30233					
			Total Concentration:	30233					
Client ID:	EFF								
H3579-02	EFF	Air	Dichlorodifluoromethane	1.43	J	0.2	0.49	2.47	ug/m3
H3579-02	EFF	Air	Chloromethane	0.95	J	0.04	0.21	1.03	ug/m3
H3579-02	EFF	Air	Tetrahydrofuran	9.73		0.09	0.29	1.47	ug/m3
H3579-02	EFF	Air	Trichlorofluoromethane	2.14	J	0.11	0.56	2.81	ug/m3
H3579-02	EFF	Air	Heptane	4.10		0.08	0.41	2.05	ug/m3
H3579-02	EFF	Air	1,1-Dichloroethene	0.40	J	0.08	0.4	1.98	ug/m3
H3579-02	EFF	Air	Acetone	38.20	EB	0.02	0.24	1.19	ug/m3
H3579-02	EFF	Air	Carbon Disulfide	0.59	J	0.06	0.31	1.56	ug/m3
H3579-02	EFF	Air	Methylene Chloride	1.39	JB	0.07	0.35	1.74	ug/m3
H3579-02	EFF	Air	trans-1,2-Dichloroethene	14.70		0.08	0.4	1.98	ug/m3
H3579-02	EFF	Air	Cyclohexane	3.44		0.07	0.34	1.72	ug/m3
H3579-02	EFF	Air	2-Butanone	16.80		0.06	0.29	1.47	ug/m3
H3579-02	EFF	Air	Carbon Tetrachloride	0.19		0.13	0.19	0.19	ug/m3
H3579-02	EFF	Air	cis-1,2-Dichloroethene	515.00	E	0.08	0.4	1.98	ug/m3
H3579-02	EFF	Air	2,2,4-Trimethylpentane	5.60		0.09	0.47	2.34	ug/m3
H3579-02	EFF	Air	Benzene	2.68		0.06	0.32	1.6	ug/m3
H3579-02	EFF	Air	4-Methyl-2-Pentanone	1.56	J	0.08	0.41	2.05	ug/m3
H3579-02	EFF	Air	Toluene	29.00		0.04	0.38	1.88	ug/m3

Hit Summary Sheet SW-846

SDG No.: H3579
Client: Envirotrac Environmental Services

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
H3579-02	EFF	Air	Tetrachloroethene	0.27		0.14	0.2	0.2	ug/m3
H3579-02	EFF	Air	Ethyl Benzene	2.82		0.09	0.43	2.17	ug/m3
H3579-02	EFF	Air	m/p-Xylene	9.56		0.13	0.87	4.34	ug/m3
H3579-02	EFF	Air	o-Xylene	3.56		0.09	0.43	2.17	ug/m3
H3579-02	EFF	Air	Styrene	1.62	J	0.04	0.43	2.13	ug/m3
H3579-02	EFF	Air	1,3,5-Trimethylbenzene	1.13	J	0.1	0.49	2.46	ug/m3
H3579-02	EFF	Air	1,2,4-Trimethylbenzene	3.88		0.1	0.49	2.46	ug/m3
H3579-02	EFF	Air	1,4-Dichlorobenzene	30.70		0.18	0.6	3.01	ug/m3
H3579-02	EFF	Air	Naphthalene	0.58	J	0.21	0.52	2.62	ug/m3
H3579-02	EFF	Air	4-Ethyltoluene	1.13	J	0.1	0.49	2.46	ug/m3
H3579-02	EFF	Air	Hexane	8.46		0.07	0.35	1.76	ug/m3
Total Voc :				711.61					
Total Concentration:				711.61					
Client ID:	EFFDL								
H3579-02DL	EFFDL	Air	Acetone	31.40	JDB	1.14	9.5	47.5	ug/m3
H3579-02DL	EFFDL	Air	cis-1,2-Dichloroethene	634.00	D	2.85	15.9	79.3	ug/m3
Total Voc :				665.4					
Total Concentration:				665.4					

Project : Frost Street Sites / SPGL 100.03

Sampling Date : 06/09/16

Field Id Number : INF

Analysis Date : 06/15/16

Laboratory Id Number : H3579-01

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1	U	4.94		
Chloromethane	74-87-3	50.49	1	U	2.07		
Vinyl Chloride	75-01-4	62.5	0.3	U	0.77		
Bromomethane	74-83-9	94.94	1	U	3.88		
Chloroethane	75-00-3	64.52	1	U	2.64		
Tetrahydrofuran	109-99-9	72.11	1	U	2.95		
Trichlorofluoromethane	75-69-4	137.4	1	U	5.62		
Dichlorotetrafluoroethane	76-14-2	170.9	1	U	6.99		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1	U	7.66		
Bromoethene	593-60-2	106.9	1	U	4.37		
tert-Butyl alcohol	75-65-0	74.12	1	U	3.03		
Heptane	142-82-5	100.2	1	U	4.1		
1,1-Dichloroethene	75-35-4	96.94	1	U	3.96		
Acetone	67-64-1	58.08	4.7	J	11.2		
Carbon Disulfide	75-15-0	76.14	1	U	3.11		
Methyl tert-Butyl Ether	1634-04-4	88.15	1	U	3.61		
Methylene Chloride	75-09-2	84.94	1	U	3.47		
trans-1,2-Dichloroethene	156-60-5	96.94	1	U	3.96		
1,1-Dichloroethane	75-34-3	98.96	1	U	4.05		
Cyclohexane	110-82-7	84.16	1	U	3.44		
2-Butanone	78-93-3	72.11	1	U	2.95		
Carbon Tetrachloride	56-23-5	153.8	0.3	U	1.89		
cis-1,2-Dichloroethene	156-59-2	96.94	74.5		295		
Chloroform	67-66-3	119.4	1	U	4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.7		3.82		
2,2,4-Trimethylpentane	540-84-1	114.2	1	U	4.67		
Benzene	71-43-2	78.11	1	U	3.19		
1,2-Dichloroethane	107-06-2	98.96	1	U	4.05		
Trichloroethene	79-01-6	131.4	150		806		
1,2-Dichloropropane	78-87-5	113	1	U	4.62		
Bromodichloromethane	75-27-4	163.8	1	U	6.7		
4-Methyl-2-Pentanone	108-10-1	100.2	1	U	4.1		
Toluene	108-88-3	92.14	1	J	3.77		
t-1,3-Dichloropropene	10061-02-6	111	1	U	4.54		
cis-1,3-Dichloropropene	10061-01-5	111	1	U	4.54		
1,1,2-Trichloroethane	79-00-5	133.4	1	U	5.46		

Project : Frost Street Sites / SPGL 100.03

Sampling Date : 06/09/16

Field Id Number : INF

Analysis Date : 06/15/16

Laboratory Id Number : H3579-01

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	1	U	8.52		
1,2-Dibromoethane	106-93-4	187.9	1	U	7.69		
Tetrachloroethene	127-18-4	165.8	1100	E	7459		
Chlorobenzene	108-90-7	112.6	1	U	4.61		
Ethyl Benzene	100-41-4	106.2	1	U	4.34		
m/p-Xylene	179601-23-1	106.2	2	U	8.69		
o-Xylene	95-47-6	106.2	1	U	4.34		
Styrene	100-42-5	104.1	1	U	4.26		
Bromoform	75-25-2	252.8	1	U	10.3		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	1	U	6.87		
2-Chlorotoluene	95-49-8	126.6	1	U	5.18		
1,3,5-Trimethylbenzene	108-67-8	120.2	1	U	4.92		
1,2,4-Trimethylbenzene	95-63-6	120.2	1	U	4.92		
1,3-Dichlorobenzene	541-73-1	147	1	U	6.01		
1,4-Dichlorobenzene	106-46-7	147	1	U	6.01		
1,2-Dichlorobenzene	95-50-1	147	1	U	6.01		
1,2,4-Trichlorobenzene	120-82-1	181.5	1	U	7.42		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1	U	10.7		
Naphthalene	91-20-3	128.17	1	U	5.24		
1,3-Butadiene	106-99-0	54.09	1	U	2.21		
4-Ethyltoluene	622-96-8	120.2	1	U	4.92		
Hexane	110-54-3	86.17	1	U	3.52		
Allyl Chloride	107-05-1	76.53	1	U	3.13		
1,4-Dioxane	123-91-1	88.12	4	U	14.4		
Methyl Methacrylate	80-62-6	100.117	1	U	4.09		

Project : Frost Street Sites / SPGL 100.03

Sampling Date : 06/09/16

Field Id Number : INFDL

Analysis Date : 06/15/16

Laboratory Id Number : H3579-01DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	4	UD	19.8		
Chloromethane	74-87-3	50.49	4	UD	8.26		
Vinyl Chloride	75-01-4	62.5	1.2	UD	3.07		
Bromomethane	74-83-9	94.94	4	UD	15.5		
Chloroethane	75-00-3	64.52	4	UD	10.6		
Tetrahydrofuran	109-99-9	72.11	4	UD	11.8		
Trichlorofluoromethane	75-69-4	137.4	4	UD	22.5		
Dichlorotetrafluoroethane	76-14-2	170.9	4	UD	28.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	4	UD	30.7		
Bromoethene	593-60-2	106.9	4	UD	17.5		
tert-Butyl alcohol	75-65-0	74.12	4	UD	12.1		
Heptane	142-82-5	100.2	4	UD	16.4		
1,1-Dichloroethene	75-35-4	96.94	4	UD	15.9		
Acetone	67-64-1	58.08	4	UD	9.5		
Carbon Disulfide	75-15-0	76.14	4	UD	12.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	4	UD	14.4		
Methylene Chloride	75-09-2	84.94	4	UD	13.9		
trans-1,2-Dichloroethene	156-60-5	96.94	4	UD	15.9		
1,1-Dichloroethane	75-34-3	98.96	4	UD	16.2		
Cyclohexane	110-82-7	84.16	4	UD	13.8		
2-Butanone	78-93-3	72.11	4	UD	11.8		
Carbon Tetrachloride	56-23-5	153.8	1.2	UD	7.55		
cis-1,2-Dichloroethene	156-59-2	96.94	62	D	245		
Chloroform	67-66-3	119.4	4	UD	19.5		
1,1,1-Trichloroethane	71-55-6	133.4	1.2	UD	6.55		
2,2,4-Trimethylpentane	540-84-1	114.2	4	UD	18.7		
Benzene	71-43-2	78.11	4	UD	12.8		
1,2-Dichloroethane	107-06-2	98.96	4	UD	16.2		
Trichloroethene	79-01-6	131.4	140	D	752		
1,2-Dichloropropane	78-87-5	113	4	UD	18.5		
Bromodichloromethane	75-27-4	163.8	4	UD	26.8		
4-Methyl-2-Pentanone	108-10-1	100.2	4	UD	16.4		
Toluene	108-88-3	92.14	4	UD	15.1		
t-1,3-Dichloropropene	10061-02-6	111	4	UD	18.2		
cis-1,3-Dichloropropene	10061-01-5	111	4	UD	18.2		
1,1,2-Trichloroethane	79-00-5	133.4	4	UD	21.8		

Project : Frost Street Sites / SPGL 100.03

Sampling Date : 06/09/16

Field Id Number : INFDL

Analysis Date : 06/15/16

Laboratory Id Number : H3579-01DL

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	4	UD	34.1		
1,2-Dibromoethane	106-93-4	187.9	4	UD	30.7		
Tetrachloroethene	127-18-4	165.8	1800	ED	12206		
Chlorobenzene	108-90-7	112.6	4	UD	18.4		
Ethyl Benzene	100-41-4	106.2	4	UD	17.4		
m/p-Xylene	179601-23-1	106.2	8	UD	34.8		
o-Xylene	95-47-6	106.2	4	UD	17.4		
Styrene	100-42-5	104.1	4	UD	17.0		
Bromoform	75-25-2	252.8	4	UD	41.4		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	4	UD	27.5		
2-Chlorotoluene	95-49-8	126.6	4	UD	20.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	4	UD	19.7		
1,2,4-Trimethylbenzene	95-63-6	120.2	4	UD	19.7		
1,3-Dichlorobenzene	541-73-1	147	4	UD	24.0		
1,4-Dichlorobenzene	106-46-7	147	4	UD	24.0		
1,2-Dichlorobenzene	95-50-1	147	4	UD	24.0		
1,2,4-Trichlorobenzene	120-82-1	181.5	4	UD	29.7		
Hexachloro-1,3-Butadiene	87-68-3	260.8	4	UD	42.7		
1,3-Butadiene	106-99-0	54.09	4	UD	8.85		
Naphthalene	91-20-3	128.17	4	UD	21.0		
4-Ethyltoluene	622-96-8	120.2	4	UD	19.7		
Hexane	110-54-3	86.17	4	UD	14.1		
Allyl Chloride	107-05-1	76.53	4	UD	12.5		
1,4-Dioxane	123-91-1	88.12	16	UD	57.7		
Methyl Methacrylate	80-62-6	100.117	4	UD	16.4		

Project : Frost Street Sites / SPGL 100.03

Sampling Date : 06/09/16

Field Id Number : INFDL2

Analysis Date : 06/15/16

Laboratory Id Number : H3579-01DL2

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	120	UD	593		
Chloromethane	74-87-3	50.49	120	UD	247		
Vinyl Chloride	75-01-4	62.5	36	UD	92.0		
Bromomethane	74-83-9	94.94	120	UD	465		
Chloroethane	75-00-3	64.52	120	UD	316		
Tetrahydrofuran	109-99-9	72.11	120	UD	353		
Trichlorofluoromethane	75-69-4	137.4	120	UD	674		
Dichlorotetrafluoroethane	76-14-2	170.9	120	UD	838		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	120	UD	919		
Bromoethene	593-60-2	106.9	120	UD	524		
tert-Butyl alcohol	75-65-0	74.12	120	UD	363		
Heptane	142-82-5	100.2	120	UD	491		
1,1-Dichloroethene	75-35-4	96.94	120	UD	475		
Acetone	67-64-1	58.08	120	UD	285		
Carbon Disulfide	75-15-0	76.14	120	UD	373		
Methyl tert-Butyl Ether	1634-04-4	88.15	120	UD	432		
Methylene Chloride	75-09-2	84.94	120	UD	416		
trans-1,2-Dichloroethene	156-60-5	96.94	120	UD	475		
1,1-Dichloroethane	75-34-3	98.96	120	UD	485		
Cyclohexane	110-82-7	84.16	120	UD	413		
2-Butanone	78-93-3	72.11	120	UD	353		
Carbon Tetrachloride	56-23-5	153.8	36	UD	226		
cis-1,2-Dichloroethene	156-59-2	96.94	120	UD	475		
Chloroform	67-66-3	119.4	120	UD	586		
1,1,1-Trichloroethane	71-55-6	133.4	36	UD	196		
2,2,4-Trimethylpentane	540-84-1	114.2	120	UD	560		
Benzene	71-43-2	78.11	120	UD	383		
1,2-Dichloroethane	107-06-2	98.96	120	UD	485		
Trichloroethene	79-01-6	131.4	200	D	1074		
1,2-Dichloropropane	78-87-5	113	120	UD	554		
Bromodichloromethane	75-27-4	163.8	120	UD	803		
4-Methyl-2-Pentanone	108-10-1	100.2	120	UD	491		
Toluene	108-88-3	92.14	120	UD	452		
t-1,3-Dichloropropene	10061-02-6	111	120	UD	544		
cis-1,3-Dichloropropene	10061-01-5	111	120	UD	544		
1,1,2-Trichloroethane	79-00-5	133.4	120	UD	654		

Project : Frost Street Sites / SPGL 100.03

Sampling Date : 06/09/16

Field Id Number : INFDL2

Analysis Date : 06/15/16

Laboratory Id Number : H3579-01DL2

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	120	UD	1022		
1,2-Dibromoethane	106-93-4	187.9	120	UD	922		
Tetrachloroethene	127-18-4	165.8	4300	D	29159		
Chlorobenzene	108-90-7	112.6	120	UD	552		
Ethyl Benzene	100-41-4	106.2	120	UD	521		
m/p-Xylene	179601-23-1	106.2	240	UD	1042		
o-Xylene	95-47-6	106.2	120	UD	521		
Styrene	100-42-5	104.1	120	UD	510		
Bromoform	75-25-2	252.8	120	UD	1240		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	120	UD	824		
2-Chlorotoluene	95-49-8	126.6	120	UD	621		
1,3,5-Trimethylbenzene	108-67-8	120.2	120	UD	589		
1,2,4-Trimethylbenzene	95-63-6	120.2	120	UD	589		
1,3-Dichlorobenzene	541-73-1	147	120	UD	721		
1,4-Dichlorobenzene	106-46-7	147	120	UD	721		
1,2-Dichlorobenzene	95-50-1	147	120	UD	721		
1,2,4-Trichlorobenzene	120-82-1	181.5	120	UD	890		
Hexachloro-1,3-Butadiene	87-68-3	260.8	120	UD	1280		
Naphthalene	91-20-3	128.17	120	UD	629		
1,3-Butadiene	106-99-0	54.09	120	UD	265		
4-Ethyltoluene	622-96-8	120.2	120	UD	589		
Hexane	110-54-3	86.17	120	UD	422		
Allyl Chloride	107-05-1	76.53	120	UD	375		
1,4-Dioxane	123-91-1	88.12	480	UD	1729		
Methyl Methacrylate	80-62-6	100.117	120	UD	491		

Project : Frost Street Sites / SPGL 100.03

Sampling Date : 06/09/16

Field Id Number : EFF

Analysis Date : 06/14/16

Laboratory Id Number : H3579-02

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.29	J	1.43		
Chloromethane	74-87-3	50.49	0.46	J	0.95		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.1	U	0.39		
Chloroethane	75-00-3	64.52	0.1	U	0.26		
Tetrahydrofuran	109-99-9	72.11	3.3		9.73		
Trichlorofluoromethane	75-69-4	137.4	0.38	J	2.14		
Dichlorotetrafluoroethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.1	U	0.77		
Bromoethene	593-60-2	106.9	0.1	U	0.44		
tert-Butyl alcohol	75-65-0	74.12	0.1	U	0.3		
Heptane	142-82-5	100.2	1		4.1		
1,1-Dichloroethene	75-35-4	96.94	0.1	J	0.4		
Acetone	67-64-1	58.08	16.1	E	38.2		
Carbon Disulfide	75-15-0	76.14	0.19	J	0.59		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.1	U	0.36		
Methylene Chloride	75-09-2	84.94	0.4	J	1.39		
trans-1,2-Dichloroethene	156-60-5	96.94	3.7		14.7		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	1		3.44		
2-Butanone	78-93-3	72.11	5.7		16.8		
Carbon Tetrachloride	56-23-5	153.8	0.03		0.19		
cis-1,2-Dichloroethene	156-59-2	96.94	130	E	515		
Chloroform	67-66-3	119.4	0.1	U	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	1.2		5.6		
Benzene	71-43-2	78.11	0.84		2.68		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.1	U	0.46		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanone	108-10-1	100.2	0.38	J	1.56		
Toluene	108-88-3	92.14	7.7		29.0		
t-1,3-Dichloropropene	10061-02-6	111	0.1	U	0.45		
cis-1,3-Dichloropropene	10061-01-5	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		

Project : Frost Street Sites / SPGL 100.03

Sampling Date : 06/09/16

Field Id Number : EFF

Analysis Date : 06/14/16

Laboratory Id Number : H3579-02

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromoethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethene	127-18-4	165.8	0.04		0.27		
Chlorobenzene	108-90-7	112.6	0.1	U	0.46		
Ethyl Benzene	100-41-4	106.2	0.65		2.82		
m/p-Xylene	179601-23-1	106.2	2.2		9.56		
o-Xylene	95-47-6	106.2	0.82		3.56		
Styrene	100-42-5	104.1	0.38	J	1.62		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.1	U	0.69		
2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.23	J	1.13		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.79		3.88		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	5.1		30.7		
1,2-Dichlorobenzene	95-50-1	147	0.1	U	0.6		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.1	U	0.74		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.1	U	1.07		
Naphthalene	91-20-3	128.17	0.11	J	0.58		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.23	J	1.13		
Hexane	110-54-3	86.17	2.4		8.46		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.4	U	1.44		
Methyl Methacrylate	80-62-6	100.117	0.1	U	0.41		

Project : Frost Street Sites / SPGL 100.03

Sampling Date : 06/09/16

Field Id Number : EFFDL

Analysis Date : 06/15/16

Laboratory Id Number : H3579-02DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	4	UD	19.8		
Chloromethane	74-87-3	50.49	4	UD	8.26		
Vinyl Chloride	75-01-4	62.5	1.2	UD	3.07		
Bromomethane	74-83-9	94.94	4	UD	15.5		
Chloroethane	75-00-3	64.52	4	UD	10.6		
Tetrahydrofuran	109-99-9	72.11	4	UD	11.8		
Trichlorofluoromethane	75-69-4	137.4	4	UD	22.5		
Dichlorotetrafluoroethane	76-14-2	170.9	4	UD	28.0		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	4	UD	30.7		
Bromoethene	593-60-2	106.9	4	UD	17.5		
tert-Butyl alcohol	75-65-0	74.12	4	UD	12.1		
Heptane	142-82-5	100.2	4	UD	16.4		
1,1-Dichloroethene	75-35-4	96.94	4	UD	15.9		
Acetone	67-64-1	58.08	13.2	JD	31.4		
Carbon Disulfide	75-15-0	76.14	4	UD	12.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	4	UD	14.4		
Methylene Chloride	75-09-2	84.94	4	UD	13.9		
trans-1,2-Dichloroethene	156-60-5	96.94	4	UD	15.9		
1,1-Dichloroethane	75-34-3	98.96	4	UD	16.2		
Cyclohexane	110-82-7	84.16	4	UD	13.8		
2-Butanone	78-93-3	72.11	4	UD	11.8		
Carbon Tetrachloride	56-23-5	153.8	1.2	UD	7.55		
cis-1,2-Dichloroethene	156-59-2	96.94	160	D	634		
Chloroform	67-66-3	119.4	4	UD	19.5		
1,1,1-Trichloroethane	71-55-6	133.4	1.2	UD	6.55		
2,2,4-Trimethylpentane	540-84-1	114.2	4	UD	18.7		
Benzene	71-43-2	78.11	4	UD	12.8		
1,2-Dichloroethane	107-06-2	98.96	4	UD	16.2		
Trichloroethene	79-01-6	131.4	1.2	UD	6.45		
1,2-Dichloropropane	78-87-5	113	4	UD	18.5		
Bromodichloromethane	75-27-4	163.8	4	UD	26.8		
4-Methyl-2-Pentanone	108-10-1	100.2	4	UD	16.4		
Toluene	108-88-3	92.14	4	UD	15.1		
t-1,3-Dichloropropene	10061-02-6	111	4	UD	18.2		
cis-1,3-Dichloropropene	10061-01-5	111	4	UD	18.2		
1,1,2-Trichloroethane	79-00-5	133.4	4	UD	21.8		

Project : Frost Street Sites / SPGL 100.03

Sampling Date : 06/09/16

Field Id Number : EFFDL

Analysis Date : 06/15/16

Laboratory Id Number : H3579-02DL

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	4	UD	34.1		
1,2-Dibromoethane	106-93-4	187.9	4	UD	30.7		
Tetrachloroethene	127-18-4	165.8	1.2	UD	8.14		
Chlorobenzene	108-90-7	112.6	4	UD	18.4		
Ethyl Benzene	100-41-4	106.2	4	UD	17.4		
m/p-Xylene	179601-23-1	106.2	8	UD	34.8		
o-Xylene	95-47-6	106.2	4	UD	17.4		
Styrene	100-42-5	104.1	4	UD	17.0		
Bromoform	75-25-2	252.8	4	UD	41.4		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	4	UD	27.5		
2-Chlorotoluene	95-49-8	126.6	4	UD	20.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	4	UD	19.7		
1,2,4-Trimethylbenzene	95-63-6	120.2	4	UD	19.7		
1,3-Dichlorobenzene	541-73-1	147	4	UD	24.0		
1,4-Dichlorobenzene	106-46-7	147	4	UD	24.0		
1,2-Dichlorobenzene	95-50-1	147	4	UD	24.0		
1,2,4-Trichlorobenzene	120-82-1	181.5	4	UD	29.7		
Hexachloro-1,3-Butadiene	87-68-3	260.8	4	UD	42.7		
1,3-Butadiene	106-99-0	54.09	4	UD	8.85		
Naphthalene	91-20-3	128.17	4	UD	21.0		
4-Ethyltoluene	622-96-8	120.2	4	UD	19.7		
Hexane	110-54-3	86.17	4	UD	14.1		
Allyl Chloride	107-05-1	76.53	4	UD	12.5		
1,4-Dioxane	123-91-1	88.12	16	UD	57.7		
Methyl Methacrylate	80-62-6	100.117	4	UD	16.4		

Project : Frost Street Sites / SPGL 100.03**Field Id Number :** EFFDL**Laboratory Id Number :** H3579-02DL**Sampling Date :** 06/09/16**Analysis Date :** 06/15/16**Target Analyts :** Air Results

SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	06/09/16
Project:	Frost Street Sites / SPGL 100.03	Date Received:	06/13/16
Client Sample ID:	INF	SDG No.:	H3579
Lab Sample ID:	H3579-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL028003.D	10		06/15/16 01:26	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	1	4.94	U	1.98	4.94	24.7	ug/m3
74-87-3	Chloromethane	1	2.07	U	0.35	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	0.3	0.77	U	0.38	0.77	0.77	ug/m3
74-83-9	Bromomethane	1	3.88	U	0.7	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	U	0.82	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	1	2.95	U	0.88	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	U	1.35	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	U	1.15	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	U	1.19	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	U	1.14	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	1	3.03	U	1.3	3.03	15.2	ug/m3
142-82-5	Heptane	1	4.1	U	0.98	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1	3.96	U	0.67	3.96	19.8	ug/m3
67-64-1	Acetone	4.7	11.2	JB	0.29	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	1	3.11	U	0.75	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1	3.61	U	0.54	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	1	3.47	U	0.59	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	3.96	U	0.67	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	U	0.49	4.05	20.2	ug/m3
110-82-7	Cyclohexane	1	3.44	U	0.83	3.44	17.2	ug/m3
78-93-3	2-Butanone	1	2.95	U	0.65	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	U	0.94	1.89	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	74.5	295		0.71	3.96	19.8	ug/m3
67-66-3	Chloroform	1	4.88	U	0.73	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.7	3.82		0.65	1.64	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	U	1.03	4.67	23.4	ug/m3
71-43-2	Benzene	1	3.19	U	0.54	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	1	4.05	U	0.61	4.05	20.2	ug/m3
79-01-6	Trichloroethene	150	806		0.81	1.61	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	U	3.93	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	U	1.14	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	1	4.1	U	0.9	4.1	20.5	ug/m3
108-88-3	Toluene	1	3.77	J	0.45	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	U	1.09	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	U	0.68	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	U	1.2	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	U	1.02	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	U	1.15	7.69	38.4	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	06/09/16
Project:	Frost Street Sites / SPGL 100.03	Date Received:	06/13/16
Client Sample ID:	INF	SDG No.:	H3579
Lab Sample ID:	H3579-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL028003.D	10		06/15/16 01:26	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	1100	7459	E	1.15	2.03	2.03	ug/m3
108-90-7	Chlorobenzene	1	4.61	U	0.69	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	1	4.34	U	0.74	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	2	8.69	U	1.35	8.69	43.4	ug/m3
95-47-6	o-Xylene	1	4.34	U	0.74	4.34	21.7	ug/m3
100-42-5	Styrene	1	4.26	U	0.51	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	U	1.24	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	1	6.87	U	1.17	6.87	34.3	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	U	0.78	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1	4.92	U	1.23	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1	4.92	U	1.23	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	U	1.02	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	U	1.8	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	U	1.5	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	U	2.97	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	U	3.31	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	U	0.49	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	U	2.25	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	1	4.92	U	0.74	4.92	24.6	ug/m3
110-54-3	Hexane	1	3.52	U	0.53	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	U	1.1	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	4	14.4	U	3.53	14.4	18.0	ug/m3
80-62-6	Methyl Methacrylate	1	4.09	U	0.7	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	9.6			65 - 135		96%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1102100		6.65				
540-36-3	1,4-Difluorobenzene	2599260		8.32				
3114-55-4	Chlorobenzene-d5	2575450		13.75				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	06/09/16
Project:	Frost Street Sites / SPGL 100.03	Date Received:	06/13/16
Client Sample ID:	INFDL	SDG No.:	H3579
Lab Sample ID:	H3579-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL028004.D	40		06/15/16 02:05	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	4	19.8	UD	7.91	19.8	98.9	ug/m3
74-87-3	Chloromethane	4	8.26	UD	1.38	8.26	41.3	ug/m3
75-01-4	Vinyl Chloride	1.2	3.07	UD	1.56	3.07	3.07	ug/m3
74-83-9	Bromomethane	4	15.5	UD	2.8	15.5	77.7	ug/m3
75-00-3	Chloroethane	4	10.6	UD	3.17	10.6	52.8	ug/m3
109-99-9	Tetrahydrofuran	4	11.8	UD	3.54	11.8	59.0	ug/m3
75-69-4	Trichlorofluoromethane	4	22.5	UD	5.34	22.5	112	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	4	30.7	UD	4.68	30.7	153	ug/m3
76-14-2	Dichlorotetrafluoroethane	4	28.0	UD	4.68	28.0	139	ug/m3
593-60-2	Bromoethene	4	17.5	UD	4.37	17.5	87.4	ug/m3
75-65-0	tert-Butyl alcohol	4	12.1	UD	5.15	12.1	60.6	ug/m3
142-82-5	Heptane	4	16.4	UD	3.89	16.4	82.0	ug/m3
75-35-4	1,1-Dichloroethene	4	15.9	UD	2.66	15.9	79.3	ug/m3
67-64-1	Acetone	4	9.5	UD	1.14	9.5	47.5	ug/m3
75-15-0	Carbon Disulfide	4	12.5	UD	2.96	12.5	62.3	ug/m3
1634-04-4	Methyl tert-Butyl Ether	4	14.4	UD	2.2	14.4	72.1	ug/m3
75-09-2	Methylene Chloride	4	13.9	UD	2.33	13.9	69.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	4	15.9	UD	2.66	15.9	79.3	ug/m3
75-34-3	1,1-Dichloroethane	4	16.2	UD	1.94	16.2	81.0	ug/m3
110-82-7	Cyclohexane	4	13.8	UD	3.27	13.8	68.8	ug/m3
78-93-3	2-Butanone	4	11.8	UD	2.57	11.8	59.0	ug/m3
56-23-5	Carbon Tetrachloride	1.2	7.55	UD	3.84	7.55	7.55	ug/m3
156-59-2	cis-1,2-Dichloroethene	62	245	D	2.85	15.9	79.3	ug/m3
67-66-3	Chloroform	4	19.5	UD	2.98	19.5	97.7	ug/m3
71-55-6	1,1,1-Trichloroethane	1.2	6.55	UD	2.62	6.55	6.55	ug/m3
540-84-1	2,2,4-Trimethylpentane	4	18.7	UD	4.06	18.7	93.4	ug/m3
71-43-2	Benzene	4	12.8	UD	2.14	12.8	63.9	ug/m3
107-06-2	1,2-Dichloroethane	4	16.2	UD	2.47	16.2	81.0	ug/m3
79-01-6	Trichloroethene	140	752	D	3.28	6.45	6.45	ug/m3
78-87-5	1,2-Dichloropropane	4	18.5	UD	15.7	18.5	92.4	ug/m3
75-27-4	Bromodichloromethane	4	26.8	UD	4.49	26.8	133	ug/m3
108-10-1	4-Methyl-2-Pentanone	4	16.4	UD	3.57	16.4	82.0	ug/m3
108-88-3	Toluene	4	15.1	UD	1.81	15.1	75.4	ug/m3
10061-02-6	t-1,3-Dichloropropene	4	18.2	UD	4.31	18.2	90.8	ug/m3
10061-01-5	cis-1,3-Dichloropropene	4	18.2	UD	2.77	18.2	90.8	ug/m3
79-00-5	1,1,2-Trichloroethane	4	21.8	UD	4.75	21.8	109	ug/m3
124-48-1	Dibromochloromethane	4	34.1	UD	4.09	34.1	170	ug/m3
106-93-4	1,2-Dibromoethane	4	30.7	UD	4.69	30.7	153	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	06/09/16
Project:	Frost Street Sites / SPGL 100.03	Date Received:	06/13/16
Client Sample ID:	INFDL	SDG No.:	H3579
Lab Sample ID:	H3579-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL028004.D	40		06/15/16 02:05	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	1800	12206	ED	4.54	8.14	8.14	ug/m3
108-90-7	Chlorobenzene	4	18.4	UD	2.81	18.4	92.1	ug/m3
100-41-4	Ethyl Benzene	4	17.4	UD	2.91	17.4	86.9	ug/m3
179601-23-1	m/p-Xylene	8	34.8	UD	5.21	34.8	173	ug/m3
95-47-6	o-Xylene	4	17.4	UD	2.91	17.4	86.9	ug/m3
100-42-5	Styrene	4	17.0	UD	2.04	17.0	85.2	ug/m3
75-25-2	Bromoform	4	41.4	UD	4.96	41.4	206	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	4	27.5	UD	4.6	27.5	137	ug/m3
95-49-8	2-Chlorotoluene	4	20.7	UD	3.16	20.7	103	ug/m3
108-67-8	1,3,5-Trimethylbenzene	4	19.7	UD	4.87	19.7	98.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	4	19.7	UD	4.87	19.7	98.3	ug/m3
541-73-1	1,3-Dichlorobenzene	4	24.0	UD	4.03	24.0	120	ug/m3
106-46-7	1,4-Dichlorobenzene	4	24.0	UD	7.21	24.0	120	ug/m3
95-50-1	1,2-Dichlorobenzene	4	24.0	UD	5.95	24.0	120	ug/m3
120-82-1	1,2,4-Trichlorobenzene	4	29.7	UD	11.9	29.7	148	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	4	42.7	UD	12.8	42.7	213	ug/m3
106-99-0	1,3-Butadiene	4	8.85	UD	1.92	8.85	44.2	ug/m3
91-20-3	Naphthalene	4	21.0	UD	8.91	21.0	104	ug/m3
622-96-8	4-Ethyltoluene	4	19.7	UD	3	19.7	98.3	ug/m3
110-54-3	Hexane	4	14.1	UD	2.15	14.1	70.5	ug/m3
107-05-1	Allyl Chloride	4	12.5	UD	4.38	12.5	62.6	ug/m3
123-91-1	1,4-Dioxane	16	57.7	UD	14.1	57.7	72.1	ug/m3
80-62-6	Methyl Methacrylate	4	16.4	UD	2.74	16.4	81.9	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	9.3			65 - 135		93%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1012560		6.65				
540-36-3	1,4-Difluorobenzene	2463460		8.32				
3114-55-4	Chlorobenzene-d5	2546260		13.74				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	06/09/16
Project:	Frost Street Sites / SPGL 100.03	Date Received:	06/13/16
Client Sample ID:	INFDL2	SDG No.:	H3579
Lab Sample ID:	H3579-01DL2	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL028006.D	1200		06/15/16 03:22	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	120	593	UD	237	593	2966	ug/m3
74-87-3	Chloromethane	120	247	UD	41.7	247	1239	ug/m3
75-01-4	Vinyl Chloride	36	92.0	UD	47.0	92.0	92.0	ug/m3
74-83-9	Bromomethane	120	465	UD	84.3	465	2329	ug/m3
75-00-3	Chloroethane	120	316	UD	97.1	316	1583	ug/m3
109-99-9	Tetrahydrofuran	120	353	UD	105	353	1769	ug/m3
75-69-4	Trichlorofluoromethane	120	674	UD	160	674	3371	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	120	919	UD	141	919	4598	ug/m3
76-14-2	Dichlorotetrafluoroethane	120	838	UD	141	838	4193	ug/m3
593-60-2	Bromoethene	120	524	UD	134	524	2623	ug/m3
75-65-0	tert-Butyl alcohol	120	363	UD	157	363	1818	ug/m3
142-82-5	Heptane	120	491	UD	117	491	2458	ug/m3
75-35-4	1,1-Dichloroethene	120	475	UD	80.1	475	2378	ug/m3
67-64-1	Acetone	120	285	UD	34.0	285	1425	ug/m3
75-15-0	Carbon Disulfide	120	373	UD	89.1	373	1868	ug/m3
1634-04-4	Methyl tert-Butyl Ether	120	432	UD	66.3	432	2163	ug/m3
75-09-2	Methylene Chloride	120	416	UD	70.2	416	2084	ug/m3
156-60-5	trans-1,2-Dichloroethene	120	475	UD	80.1	475	2378	ug/m3
75-34-3	1,1-Dichloroethane	120	485	UD	57.9	485	2428	ug/m3
110-82-7	Cyclohexane	120	413	UD	98.4	413	2065	ug/m3
78-93-3	2-Butanone	120	353	UD	76.7	353	1769	ug/m3
56-23-5	Carbon Tetrachloride	36	226	UD	115	226	226	ug/m3
156-59-2	cis-1,2-Dichloroethene	120	475	UD	86.0	475	2378	ug/m3
67-66-3	Chloroform	120	586	UD	89.9	586	2930	ug/m3
71-55-6	1,1,1-Trichloroethane	36	196	UD	78.0	196	196	ug/m3
540-84-1	2,2,4-Trimethylpentane	120	560	UD	121	560	2802	ug/m3
71-43-2	Benzene	120	383	UD	64.5	383	1916	ug/m3
107-06-2	1,2-Dichloroethane	120	485	UD	74.5	485	2428	ug/m3
79-01-6	Trichloroethene	200	1074	D	98.9	193	193	ug/m3
78-87-5	1,2-Dichloropropane	120	554	UD	462	554	2773	ug/m3
75-27-4	Bromodichloromethane	120	803	UD	135	803	4019	ug/m3
108-10-1	4-Methyl-2-Pentanone	120	491	UD	106	491	2458	ug/m3
108-88-3	Toluene	120	452	UD	53.9	452	2261	ug/m3
10061-02-6	t-1,3-Dichloropropene	120	544	UD	129	544	2723	ug/m3
10061-01-5	cis-1,3-Dichloropropene	120	544	UD	83.5	544	2723	ug/m3
79-00-5	1,1,2-Trichloroethane	120	654	UD	141	654	3273	ug/m3
124-48-1	Dibromochloromethane	120	1022	UD	121	1022	5111	ug/m3
106-93-4	1,2-Dibromoethane	120	922	UD	141	922	4611	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	06/09/16
Project:	Frost Street Sites / SPGL 100.03	Date Received:	06/13/16
Client Sample ID:	INFDL2	SDG No.:	H3579
Lab Sample ID:	H3579-01DL2	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL028006.D	1200		06/15/16 03:22	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	4300	29159	D	136	244	244	ug/m3
108-90-7	Chlorobenzene	120	552	UD	84.7	552	2763	ug/m3
100-41-4	Ethyl Benzene	120	521	UD	87.7	521	2606	ug/m3
179601-23-1	m/p-Xylene	240	1042	UD	159	1042	5212	ug/m3
95-47-6	o-Xylene	120	521	UD	87.7	521	2606	ug/m3
100-42-5	Styrene	120	510	UD	60.9	510	2554	ug/m3
75-25-2	Bromoform	120	1240	UD	147	1240	6203	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	120	824	UD	138	824	4120	ug/m3
95-49-8	2-Chlorotoluene	120	621	UD	95.3	621	3106	ug/m3
108-67-8	1,3,5-Trimethylbenzene	120	589	UD	145	589	2949	ug/m3
95-63-6	1,2,4-Trimethylbenzene	120	589	UD	145	589	2949	ug/m3
541-73-1	1,3-Dichlorobenzene	120	721	UD	121	721	3607	ug/m3
106-46-7	1,4-Dichlorobenzene	120	721	UD	215	721	3607	ug/m3
95-50-1	1,2-Dichlorobenzene	120	721	UD	177	721	3607	ug/m3
120-82-1	1,2,4-Trichlorobenzene	120	890	UD	356	890	4453	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	120	1280	UD	392	1280	6400	ug/m3
106-99-0	1,3-Butadiene	120	265	UD	57.5	265	1327	ug/m3
91-20-3	Naphthalene	120	629	UD	273	629	3145	ug/m3
622-96-8	4-Ethyltoluene	120	589	UD	90.5	589	2949	ug/m3
110-54-3	Hexane	120	422	UD	64.8	422	2114	ug/m3
107-05-1	Allyl Chloride	120	375	UD	131	375	1878	ug/m3
123-91-1	1,4-Dioxane	480	1729	UD	432	1729	2162	ug/m3
80-62-6	Methyl Methacrylate	120	491	UD	82.7	491	2456	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	9			65 - 135		90%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	965210		6.65				
540-36-3	1,4-Difluorobenzene	2385580		8.32				
3114-55-4	Chlorobenzene-d5	2489930		13.74				

U = Not Detected

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	06/09/16
Project:	Frost Street Sites / SPGL 100.03	Date Received:	06/13/16
Client Sample ID:	EFF	SDG No.:	H3579
Lab Sample ID:	H3579-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL027999.D	1		06/14/16 22:50	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.29	1.43	J	0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.46	0.95	J	0.04	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.05	0.08	0.08	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.08	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.08	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	3.3	9.73		0.09	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.38	2.14	J	0.11	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	U	0.15	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.14	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.12	0.3	1.52	ug/m3
142-82-5	Heptane	1	4.1		0.08	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	J	0.08	0.4	1.98	ug/m3
67-64-1	Acetone	16.1	38.2	EB	0.02	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.19	0.59	J	0.06	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.07	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	0.4	1.39	JB	0.07	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	3.7	14.7		0.08	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.04	0.4	2.02	ug/m3
110-82-7	Cyclohexane	1	3.44		0.07	0.34	1.72	ug/m3
78-93-3	2-Butanone	5.7	16.8		0.06	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.03	0.19		0.13	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	130	515	E	0.08	0.4	1.98	ug/m3
67-66-3	Chloroform	0.1	0.49	U	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.05	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.2	5.6		0.09	0.47	2.34	ug/m3
71-43-2	Benzene	0.84	2.68		0.06	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.03	0.16	U	0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.42	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.13	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.38	1.56	J	0.08	0.41	2.05	ug/m3
108-88-3	Toluene	7.7	29.0		0.04	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.11	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.09	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.15	0.77	3.84	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	06/09/16
Project:	Frost Street Sites / SPGL 100.03	Date Received:	06/13/16
Client Sample ID:	EFF	SDG No.:	H3579
Lab Sample ID:	H3579-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL027999.D	1		06/14/16 22:50	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.04	0.27		0.14	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.09	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.65	2.82		0.09	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	2.2	9.56		0.13	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.82	3.56		0.09	0.43	2.17	ug/m3
100-42-5	Styrene	0.38	1.62	J	0.04	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.1	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.14	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.23	1.13	J	0.1	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.79	3.88		0.1	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	5.1	30.7		0.18	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	U	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.32	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.04	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.11	0.58	J	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.23	1.13	J	0.1	0.49	2.46	ug/m3
110-54-3	Hexane	2.4	8.46		0.07	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.13	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.4	1.44	U	0.36	1.44	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.08	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	8.9			65 - 135		89%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1015020		6.65				
540-36-3	1,4-Difluorobenzene	2556370		8.32				
3114-55-4	Chlorobenzene-d5	2961650		13.74				

U = Not Detected

RL = Reporting Limit

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E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	06/09/16
Project:	Frost Street Sites / SPGL 100.03	Date Received:	06/13/16
Client Sample ID:	EFFDL	SDG No.:	H3579
Lab Sample ID:	H3579-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL028001.D	40		06/15/16 00:08	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	4	19.8	UD	7.91	19.8	98.9	ug/m3
74-87-3	Chloromethane	4	8.26	UD	1.38	8.26	41.3	ug/m3
75-01-4	Vinyl Chloride	1.2	3.07	UD	1.56	3.07	3.07	ug/m3
74-83-9	Bromomethane	4	15.5	UD	2.8	15.5	77.7	ug/m3
75-00-3	Chloroethane	4	10.6	UD	3.17	10.6	52.8	ug/m3
109-99-9	Tetrahydrofuran	4	11.8	UD	3.54	11.8	59.0	ug/m3
75-69-4	Trichlorofluoromethane	4	22.5	UD	5.34	22.5	112	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	4	30.7	UD	4.68	30.7	153	ug/m3
76-14-2	Dichlorotetrafluoroethane	4	28.0	UD	4.68	28.0	139	ug/m3
593-60-2	Bromoethene	4	17.5	UD	4.37	17.5	87.4	ug/m3
75-65-0	tert-Butyl alcohol	4	12.1	UD	5.15	12.1	60.6	ug/m3
142-82-5	Heptane	4	16.4	UD	3.89	16.4	82.0	ug/m3
75-35-4	1,1-Dichloroethene	4	15.9	UD	2.66	15.9	79.3	ug/m3
67-64-1	Acetone	13.2	31.4	JDB	1.14	9.5	47.5	ug/m3
75-15-0	Carbon Disulfide	4	12.5	UD	2.96	12.5	62.3	ug/m3
1634-04-4	Methyl tert-Butyl Ether	4	14.4	UD	2.2	14.4	72.1	ug/m3
75-09-2	Methylene Chloride	4	13.9	UD	2.33	13.9	69.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	4	15.9	UD	2.66	15.9	79.3	ug/m3
75-34-3	1,1-Dichloroethane	4	16.2	UD	1.94	16.2	81.0	ug/m3
110-82-7	Cyclohexane	4	13.8	UD	3.27	13.8	68.8	ug/m3
78-93-3	2-Butanone	4	11.8	UD	2.57	11.8	59.0	ug/m3
56-23-5	Carbon Tetrachloride	1.2	7.55	UD	3.84	7.55	7.55	ug/m3
156-59-2	cis-1,2-Dichloroethene	160	634	D	2.85	15.9	79.3	ug/m3
67-66-3	Chloroform	4	19.5	UD	2.98	19.5	97.7	ug/m3
71-55-6	1,1,1-Trichloroethane	1.2	6.55	UD	2.62	6.55	6.55	ug/m3
540-84-1	2,2,4-Trimethylpentane	4	18.7	UD	4.06	18.7	93.4	ug/m3
71-43-2	Benzene	4	12.8	UD	2.14	12.8	63.9	ug/m3
107-06-2	1,2-Dichloroethane	4	16.2	UD	2.47	16.2	81.0	ug/m3
79-01-6	Trichloroethene	1.2	6.45	UD	3.28	6.45	6.45	ug/m3
78-87-5	1,2-Dichloropropane	4	18.5	UD	15.7	18.5	92.4	ug/m3
75-27-4	Bromodichloromethane	4	26.8	UD	4.49	26.8	133	ug/m3
108-10-1	4-Methyl-2-Pentanone	4	16.4	UD	3.57	16.4	82.0	ug/m3
108-88-3	Toluene	4	15.1	UD	1.81	15.1	75.4	ug/m3
10061-02-6	t-1,3-Dichloropropene	4	18.2	UD	4.31	18.2	90.8	ug/m3
10061-01-5	cis-1,3-Dichloropropene	4	18.2	UD	2.77	18.2	90.8	ug/m3
79-00-5	1,1,2-Trichloroethane	4	21.8	UD	4.75	21.8	109	ug/m3
124-48-1	Dibromochloromethane	4	34.1	UD	4.09	34.1	170	ug/m3
106-93-4	1,2-Dibromoethane	4	30.7	UD	4.69	30.7	153	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	06/09/16
Project:	Frost Street Sites / SPGL 100.03	Date Received:	06/13/16
Client Sample ID:	EFFDL	SDG No.:	H3579
Lab Sample ID:	H3579-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL028001.D	40		06/15/16 00:08	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	1.2	8.14	UD	4.54	8.14	8.14	ug/m3
108-90-7	Chlorobenzene	4	18.4	UD	2.81	18.4	92.1	ug/m3
100-41-4	Ethyl Benzene	4	17.4	UD	2.91	17.4	86.9	ug/m3
179601-23-1	m/p-Xylene	8	34.8	UD	5.21	34.8	173	ug/m3
95-47-6	o-Xylene	4	17.4	UD	2.91	17.4	86.9	ug/m3
100-42-5	Styrene	4	17.0	UD	2.04	17.0	85.2	ug/m3
75-25-2	Bromoform	4	41.4	UD	4.96	41.4	206	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	4	27.5	UD	4.6	27.5	137	ug/m3
95-49-8	2-Chlorotoluene	4	20.7	UD	3.16	20.7	103	ug/m3
108-67-8	1,3,5-Trimethylbenzene	4	19.7	UD	4.87	19.7	98.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	4	19.7	UD	4.87	19.7	98.3	ug/m3
541-73-1	1,3-Dichlorobenzene	4	24.0	UD	4.03	24.0	120	ug/m3
106-46-7	1,4-Dichlorobenzene	4	24.0	UD	7.21	24.0	120	ug/m3
95-50-1	1,2-Dichlorobenzene	4	24.0	UD	5.95	24.0	120	ug/m3
120-82-1	1,2,4-Trichlorobenzene	4	29.7	UD	11.9	29.7	148	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	4	42.7	UD	12.8	42.7	213	ug/m3
106-99-0	1,3-Butadiene	4	8.85	UD	1.92	8.85	44.2	ug/m3
91-20-3	Naphthalene	4	21.0	UD	8.91	21.0	104	ug/m3
622-96-8	4-Ethyltoluene	4	19.7	UD	3	19.7	98.3	ug/m3
110-54-3	Hexane	4	14.1	UD	2.15	14.1	70.5	ug/m3
107-05-1	Allyl Chloride	4	12.5	UD	4.38	12.5	62.6	ug/m3
123-91-1	1,4-Dioxane	16	57.7	UD	14.1	57.7	72.1	ug/m3
80-62-6	Methyl Methacrylate	4	16.4	UD	2.74	16.4	81.9	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	9.4			65 - 135		94%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1090820		6.65				
540-36-3	1,4-Difluorobenzene	2753120		8.32				
3114-55-4	Chlorobenzene-d5	2897030		13.74				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

QC SUMMARY

Surrogate Summary

SDG No.: H3579Client: Envirotrac Environmental ServicesAnalytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
H3579-01	INF	1-Bromo-4-Fluorobenzene	10	9.57	96	65	135
H3579-01DL	INFDL	1-Bromo-4-Fluorobenzene	10	9.31	93	65	135
H3579-01DL2	INFDL2	1-Bromo-4-Fluorobenzene	10	8.96	90	65	135
H3579-01DLDU	INFDLDUP	1-Bromo-4-Fluorobenzene	10	9.07	91	65	135
H3579-02	EFF	1-Bromo-4-Fluorobenzene	10	8.89	89	65	135
H3579-02DL	EFFDL	1-Bromo-4-Fluorobenzene	10	9.39	94	65	135
VL0614ABL01	VL0614ABL01	1-Bromo-4-Fluorobenzene	10	9.52	95	65	135
VL0614ABS01	VL0614ABS01	1-Bromo-4-Fluorobenzene	10	8.86	89	65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: H3579

Client: Envirotrac Environmental Services

Analytical Method: SWTO-15

Datafile : VL027985.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VL0614ABS01	Dichlorodifluoromethane	10	7.6	ppbv	76			70	130	
	Chloromethane	10	9.9	ppbv	99			70	130	
	Vinyl Chloride	10	9.6	ppbv	96			70	130	
	Bromomethane	10	10.4	ppbv	104			70	130	
	Chloroethane	10	10	ppbv	100			70	130	
	Tetrahydrofuran	10	10.3	ppbv	103			70	130	
	Trichlorofluoromethane	10	11.1	ppbv	111			70	130	
	1,1,2-Trichlorotrifluoroethane	10	10.4	ppbv	104			70	130	
	Dichlorotetrafluoroethane	10	10.3	ppbv	103			70	130	
	Bromoethene	10	10.3	ppbv	103			70	130	
	tert-Butyl Alcohol	10	11.9	ppbv	119			70	130	
	Heptane	10	10.3	ppbv	103			70	130	
	1,1-Dichloroethene	10	10	ppbv	100			70	130	
	Acetone	10	8.8	ppbv	88			70	130	
	Carbon disulfide	10	10.2	ppbv	102			70	130	
	Methyl tert-butyl Ether	10	11	ppbv	110			70	130	
	Methylene Chloride	10	9.7	ppbv	97			70	130	
	trans-1,2-Dichloroethene	10	10.6	ppbv	106			70	130	
	1,1-Dichloroethane	10	10.7	ppbv	107			70	130	
	Cyclohexane	10	10.6	ppbv	106			70	130	
	2-Butanone	10	10.3	ppbv	103			70	130	
	Carbon Tetrachloride	10	11.7	ppbv	117			70	130	
	cis-1,2-Dichloroethene	10	10.5	ppbv	105			70	130	
	Chloroform	10	11.1	ppbv	111			70	130	
	1,1,1-Trichloroethane	10	11.3	ppbv	113			70	130	
	2,2,4-Trimethylpentane	10	10.2	ppbv	102			70	130	
	Benzene	10	10.4	ppbv	104			70	130	
	1,2-Dichloroethane	10	11.5	ppbv	115			70	130	
	Trichloroethene	10	9.9	ppbv	99			70	130	
	1,2-Dichloropropane	10	10.6	ppbv	106			70	130	
	Bromodichloromethane	10	11.5	ppbv	115			70	130	
	4-Methyl-2-Pentanone	10	10.6	ppbv	106			70	130	
	Toluene	10	10.5	ppbv	105			70	130	
	t-1,3-Dichloropropene	10	11.8	ppbv	118			70	130	
	cis-1,3-Dichloropropene	10	11.2	ppbv	112			70	130	
	1,1,2-Trichloroethane	10	10.9	ppbv	109			70	130	
	Dibromochloromethane	10	11.7	ppbv	117			70	130	
	1,2-Dibromoethane	10	11.2	ppbv	112			70	130	
	Tetrachloroethene	10	10.2	ppbv	102			70	130	
	Chlorobenzene	10	10.2	ppbv	102			70	130	
	Ethyl Benzene	10	10.4	ppbv	104			70	130	
	m/p-Xylene	20	20.3	ppbv	102			70	130	
	o-Xylene	10	10.1	ppbv	101			70	130	
	Styrene	10	10.8	ppbv	108			70	130	
	Bromoform	10	11.7	ppbv	117			70	130	
	1,1,2,2-Tetrachloroethane	10	9.4	ppbv	94			70	130	
	2-Chlorotoluene	10	9.8	ppbv	98			70	130	
	1,3,5-Trimethylbenzene	10	9.6	ppbv	96			70	130	
	1,2,4-Trimethylbenzene	10	9.1	ppbv	91			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: H3579
Client: Envirotrac Environmental Services
Analytical Method: SWTO-15

Datafile : VL027985.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VL0614ABS01	1,3-Dichlorobenzene	10	9.5	ppbv	95			70	130	
	1,4-Dichlorobenzene	10	9.5	ppbv	95			70	130	
	1,2-Dichlorobenzene	10	9.4	ppbv	94			70	130	
	1,2,4-Trichlorobenzene	10	7.9	ppbv	79			70	130	
	Hexachloro-1,3-butadiene	10	7.8	ppbv	78			70	130	
	Naphthalene	10	7.3	ppbv	73			70	130	
	1,3-Butadiene	10	9.2	ppbv	92			70	130	
	4-Ethyltoluene	10	9.9	ppbv	99			70	130	
	Hexane	10	10.1	ppbv	101			70	130	
	Allyl Chloride	10	9.6	ppbv	96			70	130	
	1,4-Dioxane	10	12	ppbv	120			70	130	
	Methyl methacrylate	10	11	ppbv	110			70	130	

Duplicate Sample Summary

Lab Sample Id :	H3579-01DL	H3579-01DL
Client Id :	INFDL	INFDL
DF :	40	40
Datafile :	VL028005.D	VL028004.D
Anal Date & Time :	06/15/2016 02:43	06/15/2016 02:05

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0	0	0
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0	0	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0	0	0
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0	0	0
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0	0	0
2-Butanone	0	0	0
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	0	0	0
Allyl Chloride	0	0	0
Benzene	0	0	0
Bromodichloromethane	0	0	0
Bromoethene	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0

Duplicate Sample Summary

Lab Sample Id :	H3579-01DLDUP	H3579-01DL
Client Id :	INFDDLUP	INFDL
DF :	40	40
Datafile :	VL028005.D	VL028004.D
Anal Date & Time :	06/15/2016 02:43	06/15/2016 02:05

Parameter	Result	Result	RPD
Carbon Tetrachloride	0	0	0
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0	0	0
cis-1,2-Dichloroethene	61.6	62	0.65
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0	0	0
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	0	0	0
m/p-Xylene	0	0	0
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	0	0	0
Naphthalene	0	0	0
o-Xylene	0	0	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	1700	1800	5.7
Tetrahydrofuran	0	0	0
Toluene	0	0	0
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	140	140	0
Trichlorofluoromethane	0	0	0
Vinyl Chloride	0	0	0

Duplicate Sample Summary

Lab Sample Id :

H3579-01DLDUP

H3579-01DL

Client Id :

INFDDLUP

INFDL

DF :

40

40

Datafile :

VL028005.D

VL028004.D

Anal Date & Time :

06/15/2016

02:43

06/15/2016

02:05

Parameter	Result	Result	RPD

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0614ABL01

Lab Name: CHEMTECH

Contract: ENVI27

Lab Code: CHEM Case No.: H3579

SAS No.: H3579 SDG NO.: H3579

Lab File ID: VL027984.D

Lab Sample ID: VL0614ABL01

Date Analyzed: 06/14/2016

Time Analyzed: 12:42

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL0614ABS01	VL0614ABS01	VL027985.D	06/14/2016
EFF	H3579-02	VL027999.D	06/14/2016
EFFDL	H3579-02DL	VL028001.D	06/15/2016
INF	H3579-01	VL028003.D	06/15/2016
INFDL	H3579-01DL	VL028004.D	06/15/2016
INFDLDUP	H3579-01DLDUP	VL028005.D	06/15/2016
INFDL2	H3579-01DL2	VL028006.D	06/15/2016

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>ENVI27</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>H3579</u>
Lab File ID:	<u>VL027828.D</u>	SAS No.:	<u>H3579</u>
Instrument ID:	<u>MSVOA_L</u>	SDG NO.:	<u>H3579</u>
GC Column:	<u>RTX-1</u>	BFB Injection Date:	<u>05/31/2016</u>
ID:	<u>0.32</u> (mm)	BFB Injection Time:	<u>13:32</u>
		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.5
75	30.0 - 66.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	63.6
175	4.0 - 9.0% of mass 174	4.9 (7.7) 1
176	93.0 - 101.0% of mass 174	61.4 (96.4) 1
177	5.0 - 9.0% of mass 176	4.1 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL027829.D	05/31/2016	14:11
VSTDICCC002	VSTDICCC002	VL027830.D	05/31/2016	14:53
VSTDICCC001	VSTDICCC001	VL027831.D	05/31/2016	15:32
VSTDICCC0.5	VSTDICCC0.5	VL027832.D	05/31/2016	16:11
VSTDICCC0.1	VSTDICCC0.1	VL027833.D	05/31/2016	16:51
VSTDICCC0.03	VSTDICCC0.03	VL027834.D	05/31/2016	17:30
VSTDICCC015	VSTDICCC015	VL027835.D	05/31/2016	18:11

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27
Lab Code: CHEM Case No.: H3579 SAS No.: H3579 SDG NO.: H3579
Lab File ID: VL027982.D BFB Injection Date: 06/14/2016
Instrument ID: MSVOA_L BFB Injection Time: 10:35
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.6
75	30.0 - 66.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.2 (0.4) 1
174	50.0 - 120.0% of mass 95	65.9
175	4.0 - 9.0% of mass 174	5.1 (7.7) 1
176	93.0 - 101.0% of mass 174	63.9 (97) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL027983.D	06/14/2016	11:14
VL0614ABL01	VL0614ABL01	VL027984.D	06/14/2016	12:42
VL0614ABS01	VL0614ABS01	VL027985.D	06/14/2016	13:21
EFF	H3579-02	VL027999.D	06/14/2016	22:50
EFFDL	H3579-02DL	VL028001.D	06/15/2016	00:08
INF	H3579-01	VL028003.D	06/15/2016	01:26
INFDL	H3579-01DL	VL028004.D	06/15/2016	02:05
INFDL DUP	H3579-01DL DUP	VL028005.D	06/15/2016	02:43
INFDL2	H3579-01DL2	VL028006.D	06/15/2016	03:22

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27
 Lab Code: CHEM Case No.: H3579 SAS No.: H3579 SDG NO.: H3579
 Lab File ID: VL027983.D Date Analyzed: 06/14/2016
 Instrument ID: MSVOA_L Time Analyzed: 11:14
 GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	911868	6.65	2424190	8.33	2631080	13.75
UPPER LIMIT	1276620	6.98	3393870	8.66	3683520	14.08
LOWER LIMIT	547121	6.32	1454510	8.00	1578650	13.42
EPA SAMPLE NO.						
INF	1102095	6.65	2599256	8.32	2575450	13.75
INFDL	1012563	6.65	2463457	8.32	2546255	13.74
INFDL2	965210	6.65	2385577	8.32	2489928	13.74
INFDLDUP	981103	6.65	2387575	8.32	2513901	13.74
EFF	1015017	6.65	2556369	8.32	2961646	13.74
EFFDL	1090817	6.65	2753120	8.32	2897027	13.74
VL0614ABL01	1069507	6.65	2768155	8.32	2903982	13.74
VL0614ABS01	883443	6.65	2286112	8.33	2540830	13.75

IS1 = Bromochloromethane
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area
 AREA LOWER LIMIT = -40% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	
Project:	Frost Street Sites / SPGL 100.03	Date Received:	
Client Sample ID:	VL0614ABL01	SDG No.:	H3579
Lab Sample ID:	VL0614ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL027984.D	1		06/14/16 12:42	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.1	0.49	U	0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.1	0.21	U	0.04	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.05	0.08	0.08	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.08	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.08	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.09	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.1	0.56	U	0.11	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	U	0.15	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.14	0.7	3.49	ug/m3
593-60-2	Bromoethene	0.1	0.44	U	0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	0.1	0.3	U	0.12	0.3	1.52	ug/m3
142-82-5	Heptane	0.1	0.41	U	0.08	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.08	0.4	1.98	ug/m3
67-64-1	Acetone	0.21	0.5	J	0.02	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.1	0.31	U	0.06	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.07	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	0.11	0.38	J	0.07	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.08	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.04	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.1	0.34	U	0.07	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.1	0.29	U	0.06	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.03	0.19	U	0.13	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.08	0.4	1.98	ug/m3
67-66-3	Chloroform	0.1	0.49	U	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.05	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.1	0.47	U	0.09	0.47	2.34	ug/m3
71-43-2	Benzene	0.1	0.32	U	0.06	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.08	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.03	0.16	U	0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.42	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.13	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.08	0.41	2.05	ug/m3
108-88-3	Toluene	0.1	0.38	U	0.04	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.09	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.11	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.09	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.15	0.77	3.84	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	
Project:	Frost Street Sites / SPGL 100.03	Date Received:	
Client Sample ID:	VL0614ABL01	SDG No.:	H3579
Lab Sample ID:	VL0614ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL027984.D	1		06/14/16 12:42	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.03	0.2	U	0.14	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.09	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.1	0.43	U	0.09	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	0.2	0.87	U	0.13	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.1	0.43	U	0.09	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	U	0.04	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.1	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.1	0.69	U	0.14	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.1	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.1	0.49	U	0.1	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.1	0.49	U	0.1	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.18	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.12	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.1	0.74	U	0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.1	1.07	U	0.32	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.04	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.1	0.52	U	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	0.1	0.49	U	0.1	0.49	2.46	ug/m3
110-54-3	Hexane	0.1	0.35	U	0.07	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.13	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.4	1.44	U	0.36	1.44	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.08	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	9.5			65 - 135		95%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1069510		6.65				
540-36-3	1,4-Difluorobenzene	2768160		8.32				
3114-55-4	Chlorobenzene-d5	2903980		13.74				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	
Project:	Frost Street Sites / SPGL 100.03	Date Received:	
Client Sample ID:	VL0614ABS01	SDG No.:	H3579
Lab Sample ID:	VL0614ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL027985.D	1		06/14/16 13:21	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	7.6	37.6		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	9.9	20.4		0.04	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	9.6	24.5		0.05	0.08	0.08	ug/m3
74-83-9	Bromomethane	10.4	40.4		0.08	0.39	1.94	ug/m3
75-00-3	Chloroethane	10	26.4		0.08	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	10.3	30.4		0.09	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	11.1	62.4		0.11	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	10.4	79.7		0.15	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	10.3	72.0		0.14	0.7	3.49	ug/m3
593-60-2	Bromoethene	10.3	45.0		0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	11.9	36.1		0.12	0.3	1.52	ug/m3
142-82-5	Heptane	10.3	42.2		0.08	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	10	39.6		0.08	0.4	1.98	ug/m3
67-64-1	Acetone	8.8	20.9		0.02	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	10.2	31.8		0.06	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	11	39.7		0.07	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	9.7	33.7		0.07	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	10.6	42.0		0.08	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	10.7	43.3		0.04	0.4	2.02	ug/m3
110-82-7	Cyclohexane	10.6	36.5		0.07	0.34	1.72	ug/m3
78-93-3	2-Butanone	10.3	30.4		0.06	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	11.7	73.6		0.13	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	10.5	41.6		0.08	0.4	1.98	ug/m3
67-66-3	Chloroform	11.1	54.2		0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	11.3	61.6		0.05	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	10.2	47.6		0.09	0.47	2.34	ug/m3
71-43-2	Benzene	10.4	33.2		0.06	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	11.5	46.6		0.08	0.4	2.02	ug/m3
79-01-6	Trichloroethene	9.9	53.2		0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	10.6	49.0		0.42	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	11.5	77.0		0.13	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	10.6	43.4		0.08	0.41	2.05	ug/m3
108-88-3	Toluene	10.5	39.6		0.04	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	11.8	53.6		0.09	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	11.2	50.8		0.09	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	10.9	59.5		0.11	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	11.7	99.7		0.09	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	11.2	86.1		0.15	0.77	3.84	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	
Project:	Frost Street Sites / SPGL 100.03	Date Received:	
Client Sample ID:	VL0614ABS01	SDG No.:	H3579
Lab Sample ID:	VL0614ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL027985.D	1		06/14/16 13:21	VL061416

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	10.2	69.2		0.14	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	10.2	47.0		0.09	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	10.4	45.2		0.09	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	20.3	88.2		0.13	0.87	4.34	ug/m3
95-47-6	o-Xylene	10.1	43.9		0.09	0.43	2.17	ug/m3
100-42-5	Styrene	10.8	46.0		0.04	0.43	2.13	ug/m3
75-25-2	Bromoform	11.7	120		0.1	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	9.4	64.6		0.14	0.69	3.43	ug/m3
95-49-8	2-Chlorotoluene	9.8	50.7		0.1	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	9.6	47.2		0.1	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	9.1	44.7		0.1	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	9.5	57.1		0.12	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	9.5	57.1		0.18	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	9.4	56.5		0.12	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	7.9	58.6		0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	7.8	83.2		0.32	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	9.2	20.4		0.04	0.22	1.11	ug/m3
91-20-3	Naphthalene	7.3	38.3		0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	9.9	48.7		0.1	0.49	2.46	ug/m3
110-54-3	Hexane	10.1	35.6		0.07	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	9.6	30.0		0.13	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	12	43.2		0.36	1.44	1.8	ug/m3
80-62-6	Methyl Methacrylate	11	45.0		0.08	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	8.9			65 - 135		89%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	883443		6.65				
540-36-3	1,4-Difluorobenzene	2286110		8.33				
3114-55-4	Chlorobenzene-d5	2540830		13.75				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27
 Lab Code: CHEM Case No.: H3579 SAS No.: H3579 SDG No.: H3579
 Instrument ID: MSVOA_L Calibration Date(s): 05/31/2016 05/31/2016
 Heated Purge: (Y/N) N Calibration Time(s): 14:11 18:11
 GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:	RRF010 = VL027829.D	RRF002 = VL027830.D	RRF001 = VL027831.D	RRF0.5 = VL027832.D	RRF0.1 = VL027833.D	RRF.03 = VL027834.D		
COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	RRF	% RSD
Dichlorodifluoromethane	1.139	1.092	1.532	1.476			1.257	18.2
Chloromethane	0.682	0.722	0.755	0.736			0.726	3.7
Vinyl Chloride	0.715	0.694	0.716	0.680	0.798	0.850	0.739	8.3
Bromomethane	0.430	0.440	0.466	0.446			0.448	3.1
Chloroethane	0.297	0.295	0.315	0.310			0.307	3.4
Tetrahydrofuran	0.428	0.455	0.436	0.438			0.440	2.3
Trichlorofluoromethane	1.513	1.581	1.614	1.683			1.597	3.8
1,1,2-Trichlorotrifluoroethane	1.097	1.199	1.205	1.199			1.170	4
Dichlorotetrafluoroethane	1.490	1.600	1.691	1.632			1.584	5.4
Bromoethene	0.499	0.527	0.537	0.519			0.522	2.8
tert-Butyl alcohol	1.167	1.102	0.865	0.963			1.036	11.6
Heptane	1.920	2.041	2.121	2.091			2.000	6.1
1,1-Dichloroethene	0.547	0.573	0.583	0.580			0.573	2.7
Acetone	1.158	1.590	1.638	1.646			1.454	16.3
Carbon Disulfide	1.578	1.615	1.550	1.440			1.567	5.1
Methyl tert-Butyl Ether	1.921	1.922	1.873	1.924			1.905	1.3
Methylene Chloride	0.506	0.549	0.585	0.620			0.560	7.8
trans-1,2-Dichloroethene	0.736	0.742	0.733	0.726			0.739	1.6
1,1-Dichloroethane	1.581	1.602	1.617	1.621			1.603	1.1
Cyclohexane	1.208	1.260	1.245	1.253			1.224	3.6
2-Butanone	0.691	0.780	0.756	0.735			0.738	4.5
Carbon Tetrachloride	0.616	0.655	0.640	0.621	0.613	0.730	0.640	6.7
cis-1,2-Dichloroethene	1.182	1.196	1.171	1.160			1.179	1.2
Chloroform	1.652	1.717	1.707	1.697			1.690	1.5
1,1,1-Trichloroethane	1.615	1.657	1.651	1.624	1.624	1.873	1.672	5.4
2,2,4-Trimethylpentane	1.641	1.947	1.994	2.020			1.824	12.5
Benzene	1.035	1.156	1.157	1.149			1.101	6.7
1,2-Dichloroethane	0.483	0.532	0.532	0.516			0.517	4
Trichloroethene	0.393	0.435	0.441	0.449	0.464	0.624	0.455	17.8
1,2-Dichloropropane	0.383	0.413	0.422	0.412			0.402	4.9
Bromodichloromethane	0.694	0.747	0.747	0.723			0.719	4
4-Methyl-2-Pentanone	0.949	1.069	1.017	1.012			0.997	5.4
Toluene	1.290	1.449	1.459	1.461			1.376	8.2

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27
 Lab Code: CHEM Case No.: H3579 SAS No.: H3579 SDG No.: H3579
 Instrument ID: MSVOA_L Calibration Date(s): 05/31/2016 05/31/2016
 Heated Purge: (Y/N) N Calibration Time(s): 14:11 18:11
 GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:		RRF010 = VL027829.D		RRF002 = VL027830.D		RRF001 = VL027831.D		
		RRF0.5 = VL027832.D		RRF0.1 = VL027833.D		RRF.03 = VL027834.D		
COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	RRF	% RSD
t-1,3-Dichloropropene	0.567	0.556	0.519	0.486			0.539	6.6
cis-1,3-Dichloropropene	0.684	0.710	0.674	0.615			0.670	5.2
1,1,2-Trichloroethane	0.431	0.449	0.465	0.467			0.447	4.6
Dibromochloromethane	0.641	0.675	0.658	0.610			0.641	4.1
1,2-Dibromoethane	0.636	0.680	0.678	0.680			0.661	3.9
Tetrachloroethene	0.401	0.449	0.448	0.456	0.520	0.547	0.459	12.6
Chlorobenzene	0.981	1.056	1.108	1.118			1.038	8
Ethyl Benzene	1.697	1.842	1.863	1.906			1.779	7.5
m/p-Xylene	1.303	1.461	1.501	1.536			1.400	10.2
o-Xylene	1.360	1.515	1.556	1.602			1.459	9.8
Styrene	0.554	0.549	0.528	0.511			0.536	3.2
Bromoform	0.531	0.548	0.514	0.465			0.515	6
1,1,2,2-Tetrachloroethane	0.922	1.005	1.021	1.050	1.080	1.399	1.048	16.4
2-Chlorotoluene	1.520	1.599	1.799	1.859			1.644	10.9
1,3,5-Trimethylbenzene	1.535	1.607	1.840	1.863			1.653	11.7
1,2,4-Trimethylbenzene	1.552	1.804	2.047	2.081			1.781	16.5
1,3-Dichlorobenzene	1.034	1.069	1.187	1.209			1.094	9.2
1,4-Dichlorobenzene	1.074	1.105	1.244	1.204			1.128	8.4
1,2-Dichlorobenzene	1.040	1.105	1.172	1.250			1.110	9.5
1,2,4-Trichlorobenzene	0.816	0.897	0.896	0.878			0.843	8.6
Hexachloro-1,3-Butadiene	0.573	0.684	0.696	0.700			0.631	14.2
1,3-Butadiene	0.624	0.702	0.748	0.766			0.700	8.5
Naphthalene	1.909	2.115	2.049	1.970			1.932	9.9
4-Ethyltoluene	1.706	1.751	1.975	1.988			1.799	9.9
1-Bromo-4-Fluorobenzene	0.770	0.719	0.743	0.838	0.771	0.841	0.781	5.8
Hexane	1.319	1.431	1.438	1.421			1.382	4.8
Allyl Chloride	0.903	0.940	0.943	0.938			0.943	3.2
1,4-Dioxane	67.871	54.158	44.278	43.199			52.933	18.9
Methyl Methacrylate	0.429	0.452	0.445	0.413			0.433	3.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27
 Lab Code: CHEM Case No.: H3579 SAS No.: H3579 SDG No.: H3579
 Instrument ID: MSVOA_L Calibration Date/Time: 06/14/2016 11:14
 Lab File ID: VL027983.D Init. Calib. Date(s): 05/31/2016 05/31/2016
 Heated Purge: (Y/N) N Init. Calib. Time(s): 14:11 18:11
 GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.257	1.051		-16.41	30
Chloromethane	0.726	0.733		1.02	30
Vinyl Chloride	0.739	0.736		-0.38	30
Bromomethane	0.448	0.477		6.43	30
Chloroethane	0.307	0.314		2.15	30
Tetrahydrofuran	0.440	0.459		4.32	30
Trichlorofluoromethane	1.597	1.785		11.75	30
1,1,2-Trichlorotrifluoroethane	1.170	1.253		7.1	30
Dichlorotetrafluoroethane	1.584	1.657		4.64	30
Bromoethene	0.522	0.552		5.78	30
tert-Butyl alcohol	1.036	1.288		24.38	30
Heptane	2.000	2.139		6.94	30
1,1-Dichloroethene	0.573	0.601		4.81	30
Acetone	1.454	1.322		-9.1	30
Carbon Disulfide	1.567	1.659		5.89	30
Methyl tert-Butyl Ether	1.905	2.177		14.28	30
Methylene Chloride	0.560	0.560		0.02	30
trans-1,2-Dichloroethene	0.739	0.812		9.91	30
1,1-Dichloroethane	1.603	1.763		10.04	30
Cyclohexane	1.224	1.336		9.14	30
2-Butanone	0.738	0.758		2.68	30
Carbon Tetrachloride	0.640	0.746		16.5	30
cis-1,2-Dichloroethene	1.179	1.311		11.23	30
Chloroform	1.690	1.917		13.39	30
1,1,1-Trichloroethane	1.672	1.937		15.82	30
2,2,4-Trimethylpentane	1.824	1.861		1.99	30
Benzene	1.101	1.165		5.81	30
1,2-Dichloroethane	0.517	0.587		13.39	30
Trichloroethene	0.455	0.454		-0.13	30
1,2-Dichloropropane	0.402	0.431		7.16	30
Bromodichloromethane	0.719	0.822		14.24	30
4-Methyl-2-Pentanone	0.997	1.065		6.85	30
Toluene	1.376	1.491		8.38	30
t-1,3-Dichloropropene	0.539	0.658		22.22	30
cis-1,3-Dichloropropene	0.670	0.780		16.39	30
1,1,2-Trichloroethane	0.447	0.504		12.88	30
Dibromochloromethane	0.641	0.768		19.76	30
1,2-Dibromoethane	0.661	0.765		15.69	30
Tetrachloroethene	0.459	0.482		5.08	30

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27
 Lab Code: CHEM Case No.: H3579 SAS No.: H3579 SDG No.: H3579
 Instrument ID: MSVOA_L Calibration Date/Time: 06/14/2016 11:14
 Lab File ID: VL027983.D Init. Calib. Date(s): 05/31/2016 05/31/2016
 Heated Purge: (Y/N) N Init. Calib. Time(s): 14:11 18:11
 GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	1.038	1.121		8.03	30
Ethyl Benzene	1.779	1.945		9.34	30
m/p-Xylene	1.400	1.497		6.92	30
o-Xylene	1.459	1.567		7.44	30
Styrene	0.536	0.623		16.16	30
Bromoform	0.515	0.639		24.06	30
1,1,2,2-Tetrachloroethane	1.048	1.050		0.18	30
2-Chlorotoluene	1.644	1.725		4.89	30
1,3,5-Trimethylbenzene	1.653	1.720		4.05	30
1,2,4-Trimethylbenzene	1.781	1.759		-1.26	30
1,3-Dichlorobenzene	1.094	1.169		6.81	30
1,4-Dichlorobenzene	1.128	1.221		8.23	30
1,2-Dichlorobenzene	1.110	1.193		7.47	30
1,2,4-Trichlorobenzene	0.843	0.882		4.65	30
Hexachloro-1,3-Butadiene	0.631	0.634		0.52	30
1,3-Butadiene	0.700	0.672		-4.03	30
Naphthalene	1.932	1.954		1.13	30
4-Ethyltoluene	1.799	1.912		6.26	30
1-Bromo-4-Fluorobenzene	0.781	0.733		-6.08	30
Hexane	1.382	1.438		4.09	30
Allyl Chloride	0.943	0.972		3.13	30
1,4-Dioxane	52.933	70.486		33.16	30
Methyl Methacrylate	0.433	0.489		12.89	30

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

SHIPPING DOCUMENTS

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample			
Laboratory: <u>Chemtech</u>		Location: <u>284 Sheffield Street, Mountainside, NJ 7092</u>	
SECRET		Title: <u>Sample Custodian</u>	
Field Sample Seal No. <u>H3579</u>		Date Broken <u>6/13/2016</u>	Military Time Seal Broken: <u>10:15:00</u>
Case No.: <u>Frost Street Sites / SPGL 1</u>		Analytical Parameter/Fraction <u>TO-15</u>	

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
H3579-01	INF		
H3579-02	EFF		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
6/13/16	16:50	Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	To vac an lab
		Printed Name <i>Shawn Mena</i>	Printed Name <i>Severin, Yonah</i>	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report) Yellow - Contractor Archive Pink - Sample Custodian - Interim Copy

CHEMTTECH

284 Sheffield Street, Mountinside New Jersey 07097 Phone • 908 789 8900 Fax • 908 789 8900

CHEMTTECH Project No. 1

1379

Client Contact Information						Bottle Order ID :	B1605076							Courier :																															
Client ID : ENV127						Project ID :						Frost Street Sites / SPGL 100.03							Sampler Name(s) : D. WILKINSON						Analysis		Matrix																		
Customer Name : Envirotrac Environmental Services						Project Manager : JAMES WILKINSON						AIR ANALYSIS CHAIN-OF-CUSTODY Individual Certified																																	
Address : 5 Old Dock Road						Phone Number : 631-924-3001																																							
City : Yaphank						Fax Number : 6319245001																																							
State : NY						Analysis Turnaround Time																																							
Zip Code : 11980						Standard : 15 business days OR						Data Package Type :																																	
Country :						Rush (Specify): Days						EDD Type :																																	
Sample Identification n						Time Start (24 hr Clock)		Time Stop (24 hr Clock)		Can Vacuum In ("Hg) (Start)		Can Vacuum In ("Hg) (Stop)**		Interior Temp. (F) (Start)		Interior Temp. (F) (Stop)		Out going Can Pressure ("Hg)(Lab)		In coming Can Pressure ("Hg)(Lab)		Flow Reg. ID		Can ID		Can Size (L)		Flow Controller Readout		Can Cert ID		TO-15		Indoor/Ambient Air		Soil Gas									
12E						2/11/16		1200										-30		-10.8		NR		10794		1.4 L		NA		V1026487.D		X													
						Temperature (Fahrenheit)																																							
						Ambient						Maximum						Minimum																											
						Start																																							
						Stop																																							
						Pressure (Inches of Hg)																																							
						Ambient						Maximum						Minimum																											
						Start																																							
						Stop																																							
						Special Instructions/QC Requirements & Comments :																																							
						Suspected Contamination:						High Medium Low																																	
						Sampling site (State): NY																																							
						Quick Connector required :						yes																																	
						Canisters Shipped by:						Date/Time: 5/19/16						Canisters Received by:																											
						Samples Relinquished by:						Date/Time: 6/11/16 1220						Received by:																											
						Relinquished by:						Date/Time:						Received by:																											

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8900

CHEMTECH Project No.:

A3570

Client Contact Information		Bottle Order ID : B1605076		Courier :		_____ of _____ COCs																						
Client ID : ENV127	Project ID : Frost Street Sites / SPGL 100.03	Sampler Name(s) : D. J. BERN		Analysis		Matrix																						
Customer Name : Envirotrac Environmental Services	Project Manager : JAMES WILKINSON	AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																										
Address : 5 Old Dock Road	Phone Number : 631-924-3001																											
	Fax Number : 631-924-5001																											
City : Yaphank	Site Details:																											
State : NY	Analysis Turnaround Time																											
Zip Code : 11980	Standard : 15 business days	OR		Data Package Type :																								
Country :	Rush (Specify):	Days		EDD Type :																								
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Control Readout	Can Cert ID	TO-15						Indoor/Ambient Air	Soil Gas						
EFFE	6/9/16	1156						-30	-8.0	NR	10652	1.4 L	NA	V1026487.D	X													
Temperature (Fahrenheit)															GC/MS Analyst Signature (TO-15)													
Ambient															Maximum							Minimum						
Start																												
Stop																												
Pressure (Inches of Hg)															*** Submittal of this COC indicates approval of the analysis based on existing conditions													
Ambient															Maximum							Minimum						
Start																												
Stop																												
Special Instructions/QC Requirements & Comments : Suspected Contamination: High Medium Low Sampling site (State): NY Quick Connector required : YES Canisters Shipped by: [Signature] Samples Relinquished by: [Signature] Relinquished by: [Signature]																												
PID Readings: Please follow the instructions on the back of this CO																												

H3579

ENVIROTRAC - NY
631-924-3001
5 OLD DOCK ROAD
YAPHANK NY 11980

5 LBS

1 OF 1

SHIP TO:

ATTN: SAMPLE MANAGEMENT
908-789-8900
CHEMTECH
284 SHEFFIELD STREET
MOUNTAINSIDE NJ 07092-2319

10-16
C. Lee
6-13-16

**NJ 078 9-61****UPS GROUND**

TRACKING #: 1Z 12X 822 03 9111 3532



BILLING: P/P

Reference#1: 01.990969.00/72.0000

US 18.1.17. WNTNV50 75.0A 04/2016



Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Louisiana	05035
Maine	2012025
Maryland	296
Massachusetts	M-NJ503
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5