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

October 9, 2015

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

Re: Progress Report: September 2015
Frost Street Sites: Site ID #s 1-30043 I, L, M
New Cassel Industrial Area, Westbury, New York

Dear Mr. Dyber:

EnSafe, Inc. (EnSafe) is pleased to submit the Progress Report for the Frost Street Sites (Site ID #s 1-30043 I, L, M) for work completed in September 2015.

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 September 25, 2015 using Summa canisters. These samples were obtained by EnviroTrac. Samples were submitted to Chemtech, and analyzed by Method TO-15. Results are included in **Appendix B**.
- Repairs to the AS-4 well are tentatively scheduled for Monday, October 4, 2015.

Quarterly/Annual Groundwater Monitoring

- Data via electronic mail in electronic deliverable format and reports have been submitted for all groundwater sampling events through the second quarter 2015 event.
- The third quarter 2015 (annual) groundwater sampling event began during the week of September 28, 2015.

Upcoming Work

- The soil vapor intrusion investigation at the Century 21 building, as proposed in the September 25, 2015 work plan, will be implemented as follows (subject to tenant coordination):

[engineering](#) | [environment](#) | [health & safety](#) | [technology](#)

- o Collect initial samples and shut down system – week of November 9, 2015
- o Collect samples after system is off – at least 60 days after system shutdown
- o Turn system back on – immediately after 60-day samples are collected
- o Review and report data and evaluate next steps, if any – within two weeks of receipt of results from laboratory

Reports and Work Plans

- The Frost Street Parties submitted a Supplemental Investigation/Focused Feasibility Study Work Plan in March 2015. NYSDEC has indicated they will not review the work plan. Should NYSDEC decide to review the Work Plan, the Frost Street parties will work with NYSDEC to finalize it and perform the work.
- The Frost Street Parties submitted a Request to Reduce Monitoring Well Sampling on June 15, 2015. Following up on a phone call with you on July 29, 2015, the Frost Street Parties have submitted data via electronic mail for the Q3 2014, Q4 2014, Q1 2015, and Q2 2015 sample events in electronic data deliverable format. Reports for the Q4 2015, Q1 2015, and Q2 2015 events were submitted on September 23, 2015. Once you have an opportunity to review the data, we would like to resume discussions on the topic.

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.	<i>Via email to amtamuno@gw.dec.state.ny.us</i>
G. Bobersky	<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>
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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: 8-Sep
Weather / Temp: Clear / 80 DEG
Technician / Operator: DW

Arrival Time: 11:30
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)	ON	ON							
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4400	864	Blower 1 Total Runtime (hrs)	40,365.4					
Blower 1 Fresh Air Valve Open (%)	0		Blower 2 Total Runtime (hrs)	41,636.9					
Blower 2 Fresh Air Valve Open (%)	0		Blower 1 Air Filter Differential Pressure ("H2O)	12					
Moisture Separator Vacuum ("Hg)	3.5		Blower 2 Air Filter Differential Pressure ("H2O)	0					
VGAC-1 Influent Vacuum ("H2O)	54		VGAC-1 Influent PID (ppm)	19.4					
VGAC-1 Effluent Vacuum ("H2O)	54		VGAC-1 Effluent PID (ppm)	0.0					
VGAC-2 Influent Vacuum ("H2O)	56		VGAC-2 Influent PID (ppm)	19.4					
VGAC-2 Effluent Vacuum ("H2O)	54		VGAC-2 Effluent PID (ppm)	0.0					
VGAC-3 Influent Vacuum ("H2O)	65		VGAC-3 Influent PID (ppm)	0.0					
VGAC-3 Effluent Vacuum ("H2O)	69		VGAC-3 Effluent PID (ppm)	0.0					
VGAC-3 Influent Temperature (DegF)	NA		Blower Effluent PID (ppm)	0.0					
Blower Effluent Pressure ("H2O)	7.8								
Transfer Pump Total Runtime (hrs)	25,020.5		Condensate Storage Tank Level (gal)	180					
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	42	7000	153		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	36	4300	94	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	4000	87		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	36	3000	65	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	36	4900	107		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	36	6000	131	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	36	4200	92		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	38	3000	65	
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs			Compressor 2 Pressure (psi)	86				
Compressor 1 Temperature (degF)	Off for repairs			Compressor 2 Temperature (degF)	204				
Compressor 1 Runtime (hrs)	27,317.0			Compressor 2 Runtime (hrs)	13,409.0				
Manifold Regulator Pressure (psi)	60								
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate		Pressure	Flow Rate				
AS-1 (psi)/(cfm)	15	8	AS-11 (psi)/(cfm)	15	10				
AS-2 (psi)/(cfm)	15	8	AS-12B (psi)/(cfm)	14	8				
AS-3 (psi)/(cfm)	15	8	AS-13B (psi)/(cfm)	14	8				
AS-4 (psi)/(cfm)	Off	Off	AS-14 (psi)/(cfm)	15	8				
AS-5 (psi)/(cfm)	15.4	8	AS-15 (psi)/(cfm)	15	8				
AS-6 (psi)/(cfm)	14	8	AS-16B (psi)/(cfm)	13.5	8				
AS-7 (psi)/(cfm)	15	8	AS-17 (psi)/(cfm)	15	8				
AS-8 (psi)/(cfm)	14	8	AS-18 (psi)/(cfm)	15	8				
AS-9 (psi)/(cfm)	14	8	AS-19 (psi)/(cfm)	15	8				
AS-10B (psi)/(cfm)	16	6							

Notes, Comments & Observations:

Compressor 1 off for repairs.

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

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

Date: 15-Sep
 Weather / Temp: Clear / 80 DEG
 Technician / Operator: DW

Arrival Time: 6:00
 Departure Time: 7:30

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)	ON		ON						
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4400		864		Blower 1 Total Runtime (hrs)	40,452.0			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	41,717.6			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	12			
Moisture Separator Vacuum ("Hg)	3.5				Blower 2 Air Filter Differential Pressure ("H2O)	0			
VGAC-1 Influent Vacuum ("H2O)	56				VGAC-1 Influent PID (ppm)	16.4			
VGAC-1 Effluent Vacuum ("H2O)	56				VGAC-1 Effluent PID (ppm)	0.0			
VGAC-2 Influent Vacuum ("H2O)	54				VGAC-2 Influent PID (ppm)	16.4			
VGAC-2 Effluent Vacuum ("H2O)	56				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-3 Influent Vacuum ("H2O)	65				VGAC-3 Influent PID (ppm)	0.0			
VGAC-3 Effluent Vacuum ("H2O)	69				VGAC-3 Effluent PID (ppm)	0.0			
VGAC-3 Influent Temperature (DegF)	NA				Blower Effluent PID (ppm)	0.0			
Blower Effluent Pressure ("H2O)	8								
Transfer Pump Total Runtime (hrs)	25,020.5				Condensate Storage Tank Level (gal)	180			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	42	7000	153		SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	36	4200	92	
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	44	4500	98		SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	36	3000	65	
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	36	4800	105		SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	36	6000	131	
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	36	4200	92		SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	38	3000	65	
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs				Compressor 2 Pressure (psi)	95			
Compressor 1 Temperature (degF)	Off for repairs				Compressor 2 Temperature (degF)	187			
Compressor 1 Runtime (hrs)	27,317.0				Compressor 2 Runtime (hrs)	13,544.0			
Manifold Regulator Pressure (psi)	60								
AS Manifold Legs - Pressure/Flow Rate									
	Pressure		Flow Rate			Pressure		Flow Rate	
AS-1 (psi)/(cfm)	15		8		AS-11 (psi)/(cfm)	15		10	
AS-2 (psi)/(cfm)	15		8		AS-12B (psi)/(cfm)	14.5		8	
AS-3 (psi)/(cfm)	15		8		AS-13B (psi)/(cfm)	15		8	
AS-4 (psi)/(cfm)	Off		Off		AS-14 (psi)/(cfm)	15		8	
AS-5 (psi)/(cfm)	16		8		AS-15 (psi)/(cfm)	14		8	
AS-6 (psi)/(cfm)	14		8		AS-16B (psi)/(cfm)	14		8	
AS-7 (psi)/(cfm)	14.5		8		AS-17 (psi)/(cfm)	15		8	
AS-8 (psi)/(cfm)	14.5		8		AS-18 (psi)/(cfm)	15		8	
AS-9 (psi)/(cfm)	15		5		AS-19 (psi)/(cfm)	15		8	
AS-10B (psi)/(cfm)	16		6						

Notes, Comments & Observations:

Compressor 1 off for repairs.

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

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

Date: 25-Sep
Weather / Temp: Clear / 78 DEG
Technician / Operator: DW

Arrival Time: 13:30
Departure Time: 15:00

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)	ON		ON						
Soil Vapor Extraction System									
Blower Air Velocity/Flow Rate (fpm)/(cfm)	4500		884		Blower 1 Total Runtime (hrs)	40,575.6			
Blower 1 Fresh Air Valve Open (%)	0				Blower 2 Total Runtime (hrs)	41,840.1			
Blower 2 Fresh Air Valve Open (%)	0				Blower 1 Air Filter Differential Pressure ("H2O)	0			
Moisture Separator Vacuum ("Hg)	3.5				Blower 2 Air Filter Differential Pressure ("H2O)	0			
VGAC-1 Influent Vacuum ("H2O)	64				VGAC-1 Effluent PID (ppm)	18.8			
VGAC-1 Effluent Vacuum ("H2O)	60				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-2 Influent Vacuum ("H2O)	60				VGAC-2 Influent PID (ppm)	18.8			
VGAC-2 Effluent Vacuum ("H2O)	58				VGAC-2 Effluent PID (ppm)	0.0			
VGAC-3 Influent Vacuum ("H2O)	64				VGAC-3 Influent PID (ppm)	0.0			
VGAC-3 Effluent Vacuum ("H2O)	69				VGAC-3 Effluent PID (ppm)	0.0			
VGAC-3 Influent Temperature (DegF)	NA				Blower Effluent PID (ppm)	0.0			
Blower Effluent Pressure ("H2O)	7.2								
Transfer Pump Total Runtime (hrs)	25,020.5				Condensate Storage Tank Level (gal)	180			
SVE Manifold Legs - Vacuum/Flow Rate/PID									
	Vacuum	Velocity	Flow Rate	PID		Vacuum	Velocity	Flow Rate	PID
SVE-1 ("H2O)/(FPM)/(cfm)/(ppm)	44	7000	153	46.0	SVE-4 ("H2O)/(FPM)/(cfm)/(ppm)	36	4300	94	0.0
SVE-2 ("H2O)/(FPM)/(cfm)/(ppm)	46	4500	98	14.5	SVE-5 ("H2O)/(FPM)/(cfm)/(ppm)	38	3000	65	0.0
SVE-3 ("H2O)/(FPM)/(cfm)/(ppm)	38	5000	109	4.0	SVE-6B ("H2O)/(FPM)/(cfm)/(ppm)	36	6000	131	50.0
SVE-3A ("H2O)/(FPM)/(cfm)/(ppm)	36	4400	96	0.0	SVE-7 ("H2O)/(FPM)/(cfm)/(ppm)	38	3100	68	0.0
Air Sparge System									
Compressor 1 Pressure (psi)	Off for repairs				Compressor 2 Pressure (psi)	93			
Compressor 1 Temperature (degF)	Off for repairs				Compressor 2 Temperature (degF)	203			
Compressor 1 Runtime (hrs)	27,317.0				Compressor 2 Runtime (hrs)	13,790.0			
Manifold Regulator Pressure (psi)	80								
AS Manifold Legs - Pressure/Flow Rate									
	Pressure	Flow Rate			Pressure	Flow Rate			
AS-1 (psi)/(cfm)	15	8	AS-11 (psi)/(cfm)		16	8			
AS-2 (psi)/(cfm)	15	8	AS-12B (psi)/(cfm)		14	8			
AS-3 (psi)/(cfm)	15	8	AS-13B (psi)/(cfm)		14	8			
AS-4 (psi)/(cfm)	Off	Off	AS-14 (psi)/(cfm)		15	8			
AS-5 (psi)/(cfm)	15	8	AS-15 (psi)/(cfm)		15	8			
AS-6 (psi)/(cfm)	14	8	AS-16B (psi)/(cfm)		13	8			
AS-7 (psi)/(cfm)	15	8	AS-17 (psi)/(cfm)		15	8			
AS-8 (psi)/(cfm)	15	8	AS-18 (psi)/(cfm)		15	8			
AS-9 (psi)/(cfm)	15	8	AS-19 (psi)/(cfm)		15	8			
AS-10B (psi)/(cfm)	15	8							

Notes, Comments & Observations:

Compressor 1 off for repairs.

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 : G3848****ATTENTION : James Wilkinson****DoD ELAP**

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1

2

3

4

5

6

Cover Page

Order ID : G3848

Project ID : Frost Street Sites / SPGL 100.03

Client : Envirotrac Environmental Services

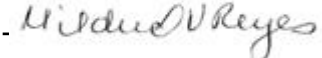
Lab Sample Number

G3848-01
G3848-02

Client Sample Number

EFFLUENT
INFLUENT

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: 10/7/2015
By Mildred V Reyes, QAQC Supervisor at 10:51 am, Oct 07, 2015

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 # G3848

Test Name: TO-15

A. Number of Samples and Date of Receipt:

2 Air samples were received on 09/28/2015.

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 except for INFLUENT.

The Retention Times were acceptable for all samples.

The RPD for G3860-02DUP {MLC-02DUP} with File ID: VL026161.D recoveries met requirements for all parameters except for 1,2,4-Trimethylbenzene [28.6%]

The Blank Spike for {VL0929ABS01} with File ID: VL026153.D met requirements for all samples except for 1,1,2,2-Tetrachloroethane[69%] .

The Blank analysis indicated presence of Acetone[0.4 ppbv]

FileID:VL026152.D{VL0929ABL01} due to possible lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Samples EFFLUENT, INFLUENT and INFLUENTDL were diluted due to high concentrations.

E. Additional Comments:

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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 10:51 am, Oct 07, 2015

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 #: G3848

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: POONAM PATEL

Date: 10/07/2015

2nd Level QA Review Signature: Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 10:50 am, Oct 07, 2015

LAB CHRONICLE

OrderID:	G3848	OrderDate:	9/28/2015 11:14:00 AM
Client:	Envirotrac Environmental Services	Project:	Frost Street Sites / SPGL 100.03
Contact:	James Wilkinson	Location:	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G3848-01	EFFLUENT	Air			09/25/15			09/28/15
			TO-15	TO-15			09/29/15	
G3848-01DL	EFFLUENTDL	Air			09/25/15			09/28/15
			TO-15	TO-15			09/29/15	
G3848-02	INFLUENT	Air			09/25/15			09/28/15
			TO-15	TO-15			09/29/15	
G3848-02DL	INFLUENTDL	Air			09/25/15			09/28/15
			TO-15	TO-15			09/29/15	
G3848-02DL 2	INFLUENTDL2	Air			09/25/15			09/28/15
			TO-15	TO-15			09/30/15	

Hit Summary Sheet SW-846

SDG No.: G3848

Client: Envirotrac Environmental Services

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	EFFLUENT								
G3848-01	EFFLUENT	Air	Dichlorodifluoromethane	1.14	J	0.2	0.49	2.47	ug/m3
G3848-01	EFFLUENT	Air	Chloromethane	1.65		0.21	0.21	1.03	ug/m3
G3848-01	EFFLUENT	Air	Vinyl Chloride	0.13		0.08	0.08	0.08	ug/m3
G3848-01	EFFLUENT	Air	Tetrahydrofuran	7.08		0.29	0.29	1.47	ug/m3
G3848-01	EFFLUENT	Air	Trichlorofluoromethane	1.91	J	0.22	0.56	2.81	ug/m3
G3848-01	EFFLUENT	Air	tert-Butyl alcohol	50.30	E	0.3	0.3	1.52	ug/m3
G3848-01	EFFLUENT	Air	Heptane	30.70		0.41	0.41	2.05	ug/m3
G3848-01	EFFLUENT	Air	Carbon Disulfide	4.98		0.16	0.31	1.56	ug/m3
G3848-01	EFFLUENT	Air	Methyl tert-Butyl Ether	4.69		0.18	0.36	1.8	ug/m3
G3848-01	EFFLUENT	Air	Methylene Chloride	11.80		0.17	0.35	1.74	ug/m3
G3848-01	EFFLUENT	Air	trans-1,2-Dichloroethene	11.50		0.2	0.4	1.98	ug/m3
G3848-01	EFFLUENT	Air	Cyclohexane	30.00		0.34	0.34	1.72	ug/m3
G3848-01	EFFLUENT	Air	2-Butanone	46.90	E	0.29	0.29	1.47	ug/m3
G3848-01	EFFLUENT	Air	Carbon Tetrachloride	4.65		0.19	0.19	0.19	ug/m3
G3848-01	EFFLUENT	Air	Chloroform	2.34	J	0.1	0.49	2.44	ug/m3
G3848-01	EFFLUENT	Air	Benzene	3.19		0.13	0.32	1.6	ug/m3
G3848-01	EFFLUENT	Air	1,2-Dichloroethane	15.40		0.4	0.4	2.02	ug/m3
G3848-01	EFFLUENT	Air	Trichloroethene	2.79		0.11	0.16	0.16	ug/m3
G3848-01	EFFLUENT	Air	1,2-Dichloropropane	2.45		0.46	0.46	2.31	ug/m3
G3848-01	EFFLUENT	Air	4-Methyl-2-Pentanone	18.40		0.2	0.41	2.05	ug/m3
G3848-01	EFFLUENT	Air	Toluene	204.00	E	0.19	0.38	1.88	ug/m3
G3848-01	EFFLUENT	Air	Tetrachloroethene	8.14		0.2	0.2	0.2	ug/m3
G3848-01	EFFLUENT	Air	Chlorobenzene	1.20	J	0.46	0.46	2.3	ug/m3
G3848-01	EFFLUENT	Air	Ethyl Benzene	36.00		0.43	0.43	2.17	ug/m3
G3848-01	EFFLUENT	Air	m/p-Xylene	82.50		0.43	0.87	4.34	ug/m3
G3848-01	EFFLUENT	Air	o-Xylene	38.20		0.43	0.43	2.17	ug/m3
G3848-01	EFFLUENT	Air	Styrene	58.80		0.43	0.43	2.13	ug/m3
G3848-01	EFFLUENT	Air	1,3,5-Trimethylbenzene	23.10		0.49	0.49	2.46	ug/m3
G3848-01	EFFLUENT	Air	1,2,4-Trimethylbenzene	48.20		0.49	0.49	2.46	ug/m3
G3848-01	EFFLUENT	Air	1,4-Dichlorobenzene	4.75		0.6	0.6	3.01	ug/m3
G3848-01	EFFLUENT	Air	Naphthalene	1.89	J	0.21	0.52	2.62	ug/m3
G3848-01	EFFLUENT	Air	4-Ethyltoluene	30.00		0.49	0.49	2.46	ug/m3
G3848-01	EFFLUENT	Air	Methyl Methacrylate	3.48		0.41	0.41	2.05	ug/m3
Total Voc :				792.26					
Total Concentration:				792.26					
Client ID:	EFFLUENTDL								
G3848-01DL	EFFLUENTDL	Air	Tetrahydrofuran	6.19	JD	2.95	2.95	14.8	ug/m3

Hit Summary Sheet SW-846

SDG No.: G3848
Client: Envirotrac Environmental Services

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
G3848-01DL	EFFLUENTDL	Air	tert-Butyl alcohol	39.10	D	3.03	3.03	15.2	ug/m3
G3848-01DL	EFFLUENTDL	Air	Heptane	18.40	JD	4.1	4.1	20.5	ug/m3
G3848-01DL	EFFLUENTDL	Air	Methylene Chloride	11.10	JD	1.74	3.47	17.4	ug/m3
G3848-01DL	EFFLUENTDL	Air	trans-1,2-Dichloroethene	7.53	JD	1.98	3.96	19.8	ug/m3
G3848-01DL	EFFLUENTDL	Air	Cyclohexane	19.60	D	3.44	3.44	17.2	ug/m3
G3848-01DL	EFFLUENTDL	Air	2-Butanone	35.40	D	2.95	2.95	14.8	ug/m3
G3848-01DL	EFFLUENTDL	Air	Benzene	2.24	JD	1.28	3.19	16.0	ug/m3
G3848-01DL	EFFLUENTDL	Air	1,2-Dichloroethane	10.90	JD	4.05	4.05	20.2	ug/m3
G3848-01DL	EFFLUENTDL	Air	4-Methyl-2-Pentanone	10.70	JD	2.05	4.1	20.5	ug/m3
G3848-01DL	EFFLUENTDL	Air	Toluene	312.00	D	1.88	3.77	18.8	ug/m3
G3848-01DL	EFFLUENTDL	Air	Ethyl Benzene	20.40	JD	4.34	4.34	21.7	ug/m3
G3848-01DL	EFFLUENTDL	Air	m/p-Xylene	47.80	D	4.34	8.69	43.4	ug/m3
G3848-01DL	EFFLUENTDL	Air	o-Xylene	21.30	JD	4.34	4.34	21.7	ug/m3
G3848-01DL	EFFLUENTDL	Air	Styrene	28.50	D	4.26	4.26	21.3	ug/m3
G3848-01DL	EFFLUENTDL	Air	1,3,5-Trimethylbenzene	11.30	JD	4.92	4.92	24.6	ug/m3
G3848-01DL	EFFLUENTDL	Air	1,2,4-Trimethylbenzene	25.10	D	4.92	4.92	24.6	ug/m3
G3848-01DL	EFFLUENTDL	Air	4-Ethyltoluene	15.70	JD	4.92	4.92	24.6	ug/m3
Total Voc :				643.26					
Total Concentration:				643.26					
Client ID:	INFLUENT								
G3848-02	INFLUENT	Air	Dichlorodifluoromethane	3.21		0.2	0.49	2.47	ug/m3
G3848-02	INFLUENT	Air	Chloromethane	0.37	J	0.21	0.21	1.03	ug/m3
G3848-02	INFLUENT	Air	Tetrahydrofuran	1.71		0.29	0.29	1.47	ug/m3
G3848-02	INFLUENT	Air	Trichlorofluoromethane	1.80	J	0.22	0.56	2.81	ug/m3
G3848-02	INFLUENT	Air	1,1,2-Trichlorotrifluoroethane	0.77	J	0.31	0.77	3.83	ug/m3
G3848-02	INFLUENT	Air	Heptane	0.66	J	0.41	0.41	2.05	ug/m3
G3848-02	INFLUENT	Air	Acetone	4.75	B	0.24	0.24	1.19	ug/m3
G3848-02	INFLUENT	Air	Methylene Chloride	1.67	J	0.17	0.35	1.74	ug/m3
G3848-02	INFLUENT	Air	trans-1,2-Dichloroethene	7.14		0.2	0.4	1.98	ug/m3
G3848-02	INFLUENT	Air	Cyclohexane	3.44		0.34	0.34	1.72	ug/m3
G3848-02	INFLUENT	Air	2-Butanone	2.65		0.29	0.29	1.47	ug/m3
G3848-02	INFLUENT	Air	Carbon Tetrachloride	0.38		0.19	0.19	0.19	ug/m3
G3848-02	INFLUENT	Air	cis-1,2-Dichloroethene	396.00	E	0.2	0.4	1.98	ug/m3
G3848-02	INFLUENT	Air	Chloroform	0.73	J	0.1	0.49	2.44	ug/m3
G3848-02	INFLUENT	Air	1,1,1-Trichloroethane	13.60		0.16	0.16	0.16	ug/m3
G3848-02	INFLUENT	Air	Trichloroethene	698.00	E	0.11	0.16	0.16	ug/m3
G3848-02	INFLUENT	Air	Toluene	5.65		0.19	0.38	1.88	ug/m3
G3848-02	INFLUENT	Air	Tetrachloroethene	6,781.00	E	0.2	0.2	0.2	ug/m3

Hit Summary Sheet SW-846

SDG No.: G3848
Client: Envirotrac Environmental Services

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
G3848-02	INFLUENT	Air	Chlorobenzene	3.55		0.46	0.46	2.3	ug/m3
G3848-02	INFLUENT	Air	Ethyl Benzene	1.17	J	0.43	0.43	2.17	ug/m3
G3848-02	INFLUENT	Air	m/p-Xylene	4.34		0.43	0.87	4.34	ug/m3
G3848-02	INFLUENT	Air	o-Xylene	1.61	J	0.43	0.43	2.17	ug/m3
G3848-02	INFLUENT	Air	1,2,4-Trimethylbenzene	0.64	J	0.49	0.49	2.46	ug/m3
G3848-02	INFLUENT	Air	1,3-Dichlorobenzene	1.02	J	0.6	0.6	3.01	ug/m3
G3848-02	INFLUENT	Air	1,4-Dichlorobenzene	1.98	J	0.6	0.6	3.01	ug/m3
Total Voc :				7937.84					
Total Concentration:				7937.84					
Client ID:	INFLUENTDL								
G3848-02DL	INFLUENTDL	Air	cis-1,2-Dichloroethene	832.00	D	23.8	47.6	237	ug/m3
G3848-02DL	INFLUENTDL	Air	Trichloroethene	2,257.00	D	9.67	19.4	19.4	ug/m3
G3848-02DL	INFLUENTDL	Air	Tetrachloroethene	42,043.00	ED	24.4	24.4	24.4	ug/m3
Total Voc :				45132					
Total Concentration:				45132					
Client ID:	INFLUENTDL2								
G3848-02DL2	INFLUENTDL2	Air	cis-1,2-Dichloroethene	792.00	JD	237	475	2378	ug/m3
G3848-02DL2	INFLUENTDL2	Air	Trichloroethene	2,310.00	D	96.7	193	193	ug/m3
G3848-02DL2	INFLUENTDL2	Air	Tetrachloroethene	77,983.00	D	244	244	244	ug/m3
Total Voc :				81085					
Total Concentration:				81085					

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generate s Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.23	J	1.14		
Chloromethane	74-87-3	50.49	0.8		1.65		
Vinyl Chloride	75-01-4	62.5	0.05		0.13		
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	2.4		7.08		
Trichlorofluoromethane	75-69-4	137.4	0.34	J	1.91		
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	16.6	E	50.3		
Heptane	142-82-5	100.2	7.5		30.7		
1,1-Dichloroethene	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	0.1	U	0.24		
Carbon Disulfide	75-15-0	76.14	1.6		4.98		
Methyl tert-Butyl Ether	1634-04-4	88.15	1.3		4.69		
Methylene Chloride	75-09-2	84.94	3.4		11.8		
trans-1,2-Dichloroethene	156-60-5	96.94	2.9		11.5		
1,1-Dichloroethane	75-34-3	98.96	0.1	U	0.4		
Cyclohexane	110-82-7	84.16	8.7		30		
2-Butanone	78-93-3	72.11	15.9	E	46.9		
Carbon Tetrachloride	56-23-5	153.8	0.74		4.65		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.48	J	2.34		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	1		3.19		
1,2-Dichloroethane	107-06-2	98.96	3.8		15.4		
Trichloroethene	79-01-6	131.4	0.52		2.79		
1,2-Dichloropropane	78-87-5	113	0.53		2.45		
Bromodichloromethane	75-27-4	163.8	0.1	U	0.67		
4-Methyl-2-Pentanone	108-10-1	100.2	4.5		18.4		
Toluene	108-88-3	92.14	54.2	E	204		
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		
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	1.2		8.14		
Chlorobenzene	108-90-7	112.6	0.26	J	1.2		
Ethyl Benzene	100-41-4	106.2	8.3		36		
m/p-Xylene	179601-23-1	106.2	19		82.5		
o-Xylene	95-47-6	106.2	8.8		38.2		
Styrene	100-42-5	104.1	13.8		58.8		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		

2-Chlorotoluene	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	4.7		23.1		
1,2,4-Trimethylbenzene	95-63-6	120.2	9.8		48.2		
1,3-Dichlorobenzene	541-73-1	147	0.1	U	0.6		
1,4-Dichlorobenzene	106-46-7	147	0.79		4.75		
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	0.36	J	1.89		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	6.1		30		
Hexane	110-54-3	86.17	0.1	U	0.35		
Allyl Chloride	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxane	123-91-1	88.12	0.1	U	0.36		
Methyl Methacrylate	80-62-6	100.117	0.85		3.48		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generate s Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodif	75-71-8	120.9	1	UD	4.94		
Chloromet	74-87-3	50.49	1	UD	2.07		
Vinyl Chlor	75-01-4	62.5	0.3	UD	0.77		
Bromomet	74-83-9	94.94	1	UD	3.88		
Chloroetha	75-00-3	64.52	1	UD	2.64		
Tetrahydro	109-99-9	72.11	2.1	JD	6.19		
Trichloroflu	75-69-4	137.4	1	UD	5.62		
Dichlorotet	76-14-2	170.9	1	UD	6.99		
1,1,2-Trich	76-13-1	187.4	1	UD	7.66		
Bromoethe	593-60-2	106.9	1	UD	4.37		
tert-Butyl a	75-65-0	74.12	12.9	D	39.1		
Heptane	142-82-5	100.2	4.5	JD	18.4		
1,1-Dichlor	75-35-4	96.94	1	UD	3.96		
Acetone	67-64-1	58.08	1	UD	2.38		
Carbon Dis	75-15-0	76.14	1	UD	3.11		
Methyl ter	1634-04-4	88.15	1	UD	3.61		
Methylene	75-09-2	84.94	3.2	JD	11.1		
trans-1,2-D	156-60-5	96.94	1.9	JD	7.53		
1,1-Dichlor	75-34-3	98.96	1	UD	4.05		
Cyclohexan	110-82-7	84.16	5.7	D	19.6		
2-Butanon	78-93-3	72.11	12	D	35.4		
Carbon Tet	56-23-5	153.8	0.3	UD	1.89		
cis-1,2-Dich	156-59-2	96.94	1	UD	3.96		
Chloroform	67-66-3	119.4	1	UD	4.88		
1,1,1-Trich	71-55-6	133.4	0.3	UD	1.64		
2,2,4-Trime	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	0.7	JD	2.24		
1,2-Dichlor	107-06-2	98.96	2.7	JD	10.9		
Trichloroet	79-01-6	131.4	0.3	UD	1.61		
1,2-Dichlor	78-87-5	113	1	UD	4.62		
Bromodich	75-27-4	163.8	1	UD	6.7		
4-Methyl-2	108-10-1	100.2	2.6	JD	10.7		
Toluene	108-88-3	92.14	82.8	D	312		
t-1,3-Dichl	10061-02-6	111	1	UD	4.54		
cis-1,3-Dich	10061-01-5	111	1	UD	4.54		
1,1,2-Trich	79-00-5	133.4	1	UD	5.46		
Dibromoch	124-48-1	208.3	1	UD	8.52		
1,2-Dibrom	106-93-4	187.9	1	UD	7.69		
Tetrachlor	127-18-4	165.8	0.3	UD	2.03		
Chlorobenz	108-90-7	112.6	1	UD	4.61		
Ethyl Benze	100-41-4	106.2	4.7	JD	20.4		
m/p-Xylene	179601-23	106.2	11	D	47.8		
o-Xylene	95-47-6	106.2	4.9	JD	21.3		
Styrene	100-42-5	104.1	6.7	D	28.5		
Bromoform	75-25-2	252.8	1	UD	10.3		
1,1,2,2-Tet	79-34-5	167.9	0.3	UD	2.06		

2-Chloroto	95-49-8	126.6	1	UD	5.18		
1,3,5-Trime	108-67-8	120.2	2.3	JD	11.3		
1,2,4-Trime	95-63-6	120.2	5.1	D	25.1		
1,3-Dichlor	541-73-1	147	1	UD	6.01		
1,4-Dichlor	106-46-7	147	1	UD	6.01		
1,2-Dichlor	95-50-1	147	1	UD	6.01		
1,2,4-Trich	120-82-1	181.5	1	UD	7.42		
Hexachloro	87-68-3	260.8	1	UD	10.7		
1,3-Butadie	106-99-0	54.09	1	UD	2.21		
Naphthale	91-20-3	128.17	1	UD	5.24		
4-Ethyltolu	622-96-8	120.2	3.2	JD	15.7		
Hexane	110-54-3	86.17	1	UD	3.52		
Allyl Chlori	107-05-1	76.53	1	UD	3.13		
1,4-Dioxan	123-91-1	88.12	1	UD	3.6		
Methyl Me	80-62-6	100.117	1	UD	4.09		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generate s Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodifluoromethane	75-71-8	120.9	0.65		3.21		
Chloromethane	74-87-3	50.49	0.18	J	0.37		
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	0.58		1.71		
Trichlorofluoromethane	75-69-4	137.4	0.32	J	1.8		
Dichlorodifluoromethane	76-14-2	170.9	0.1	U	0.7		
1,1,2-Trichloroethane	76-13-1	187.4	0.1	J	0.77		
Bromoethane	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	0.16	J	0.66		
1,1-Dichloroethane	75-35-4	96.94	0.1	U	0.4		
Acetone	67-64-1	58.08	2		4.75		
Carbon Disulfide	75-15-0	76.14	0.1	U	0.31		
Methyl tert-butyl ether	1634-04-4	88.15	0.1	U	0.36		
Methylene chloride	75-09-2	84.94	0.48	J	1.67		
trans-1,2-Dichloroethane	156-60-5	96.94	1.8		7.14		
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	0.9		2.65		
Carbon Tetrachloride	56-23-5	153.8	0.06		0.38		
cis-1,2-Dichloroethane	156-59-2	96.94	100	E	396		
Chloroform	67-66-3	119.4	0.15	J	0.73		
1,1,1-Trichloroethane	71-55-6	133.4	2.5		13.6		
2,2,4-Trinitrotoluene	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.1	U	0.32		
1,2-Dichloroethane	107-06-2	98.96	0.1	U	0.4		
Trichloroethane	79-01-6	131.4	130	E	698		
1,2-Dichloroethane	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	0.1	U	0.41		
Toluene	108-88-3	92.14	1.5		5.65		
trans-1,3-Dichloropropane	10061-02-6	111	0.1	U	0.45		
cis-1,3-Dichloropropane	10061-01-5	111	0.1	U	0.45		
1,1,2-Trichloroethane	79-00-5	133.4	0.1	U	0.55		
Dibromochloromethane	124-48-1	208.3	0.1	U	0.85		
1,2-Dibromochloroethane	106-93-4	187.9	0.1	U	0.77		
Tetrachloroethane	127-18-4	165.8	1000	E	6781		
Chlorobenzene	108-90-7	112.6	0.77		3.55		
Ethyl Benzene	100-41-4	106.2	0.27	J	1.17		
m/p-Xylene	179601-23-9	106.2	1		4.34		
o-Xylene	95-47-6	106.2	0.37	J	1.61		
Styrene	100-42-5	104.1	0.1	U	0.43		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.03	U	0.21		

2-Chloroto	95-49-8	126.6	0.1	U	0.52		
1,3,5-Trime	108-67-8	120.2	0.1	U	0.49		
1,2,4-Trime	95-63-6	120.2	0.13	J	0.64		
1,3-Dichlor	541-73-1	147	0.17	J	1.02		
1,4-Dichlor	106-46-7	147	0.33	J	1.98		
1,2-Dichlor	95-50-1	147	0.1	U	0.6		
1,2,4-Trich	120-82-1	181.5	0.1	U	0.74		
Hexachloro	87-68-3	260.8	0.1	U	1.07		
Naphthale	91-20-3	128.17	0.1	U	0.52		
1,3-Butadie	106-99-0	54.09	0.1	U	0.22		
4-Ethyltolu	622-96-8	120.2	0.1	U	0.49		
Hexane	110-54-3	86.17	0.1	U	0.35		
Allyl Chlori	107-05-1	76.53	0.1	U	0.31		
1,4-Dioxan	123-91-1	88.12	0.1	U	0.36		
Methyl Me	80-62-6	100.117	0.1	U	0.41		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generate s Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodif	75-71-8	120.9	12	UD	59.3		
Chloromet	74-87-3	50.49	12	UD	24.8		
Vinyl Chlor	75-01-4	62.5	3.6	UD	9.2		
Bromomet	74-83-9	94.94	12	UD	46.6		
Chloroetha	75-00-3	64.52	12	UD	31.7		
Tetrahydro	109-99-9	72.11	12	UD	35.4		
Trichloroflu	75-69-4	137.4	12	UD	67.4		
Dichlorotet	76-14-2	170.9	12	UD	83.9		
1,1,2-Trich	76-13-1	187.4	12	UD	92		
Bromoethe	593-60-2	106.9	12	UD	52.5		
tert-Butyl a	75-65-0	74.12	12	UD	36.4		
Heptane	142-82-5	100.2	12	UD	49.2		
1,1-Dichlor	75-35-4	96.94	12	UD	47.6		
Acetone	67-64-1	58.08	12	UD	28.5		
Carbon Dis	75-15-0	76.14	12	UD	37.4		
Methyl ter	1634-04-4	88.15	12	UD	43.3		
Methylene	75-09-2	84.94	12	UD	41.7		
trans-1,2-D	156-60-5	96.94	12	UD	47.6		
1,1-Dichlor	75-34-3	98.96	12	UD	48.6		
Cyclohexan	110-82-7	84.16	12	UD	41.3		
2-Butanon	78-93-3	72.11	12	UD	35.4		
Carbon Tet	56-23-5	153.8	3.6	UD	22.6		
cis-1,2-Dich	156-59-2	96.94	210	D	832		
Chloroform	67-66-3	119.4	12	UD	58.6		
1,1,1-Trich	71-55-6	133.4	3.6	UD	19.6		
2,2,4-Trime	540-84-1	114.2	12	UD	56		
Benzene	71-43-2	78.11	12	UD	38.3		
1,2-Dichlor	107-06-2	98.96	12	UD	48.6		
Trichloroet	79-01-6	131.4	420	D	2257		
1,2-Dichlor	78-87-5	113	12	UD	55.5		
Bromodich	75-27-4	163.8	12	UD	80.4		
4-Methyl-2	108-10-1	100.2	12	UD	49.2		
Toluene	108-88-3	92.14	12	UD	45.2		
t-1,3-Dichl	10061-02-6	111	12	UD	54.5		
cis-1,3-Dich	10061-01-5	111	12	UD	54.5		
1,1,2-Trich	79-00-5	133.4	12	UD	65.5		
Dibromoch	124-48-1	208.3	12	UD	102		
1,2-Dibrom	106-93-4	187.9	12	UD	92.2		
Tetrachlor	127-18-4	165.8	6200	ED	42043		
Chlorobenz	108-90-7	112.6	12	UD	55.3		
Ethyl Benze	100-41-4	106.2	12	UD	52.1		
m/p-Xylene	179601-23	106.2	24	UD	104		
o-Xylene	95-47-6	106.2	12	UD	52.1		
Styrene	100-42-5	104.1	12	UD	51.1		
Bromoform	75-25-2	252.8	12	UD	124		
1,1,2,2-Tet	79-34-5	167.9	3.6	UD	24.7		

2-Chloroto	95-49-8	126.6	12	UD	62.1		
1,3,5-Trime	108-67-8	120.2	12	UD	59		
1,2,4-Trime	95-63-6	120.2	12	UD	59		
1,3-Dichlor	541-73-1	147	12	UD	72.2		
1,4-Dichlor	106-46-7	147	12	UD	72.2		
1,2-Dichlor	95-50-1	147	12	UD	72.2		
1,2,4-Trich	120-82-1	181.5	12	UD	89.1		
Hexachloro	87-68-3	260.8	12	UD	128		
Naphthale	91-20-3	128.17	12	UD	62.9		
1,3-Butadie	106-99-0	54.09	12	UD	26.6		
4-Ethyltolu	622-96-8	120.2	12	UD	59		
Hexane	110-54-3	86.17	12	UD	42.3		
Allyl Chlori	107-05-1	76.53	12	UD	37.6		
1,4-Dioxan	123-91-1	88.12	12	UD	43.2		
Methyl Me	80-62-6	100.117	12	UD	49.1		

Chemical	CAS Number	Molecular Weight	Insert Results in ppbv	Q	Generate s Results in ug/m3	QAS Decision	Foot-Notes
Dichlorodif	75-71-8	120.9	120	UD	593		
Chloromet	74-87-3	50.49	120	UD	247		
Vinyl Chlor	75-01-4	62.5	36	UD	92		
Bromomet	74-83-9	94.94	120	UD	465		
Chloroetha	75-00-3	64.52	120	UD	316		
Tetrahydro	109-99-9	72.11	120	UD	353		
Trichloroflu	75-69-4	137.4	120	UD	674		
Dichlorote	76-14-2	170.9	120	UD	838		
1,1,2-Trich	76-13-1	187.4	120	UD	919		
Bromoethe	593-60-2	106.9	120	UD	524		
tert-Butyl a	75-65-0	74.12	120	UD	363		
Heptane	142-82-5	100.2	120	UD	491		
1,1-Dichlor	75-35-4	96.94	120	UD	475		
Acetone	67-64-1	58.08	120	UD	285		
Carbon Dis	75-15-0	76.14	120	UD	373		
Methyl ter	1634-04-4	88.15	120	UD	432		
Methylene	75-09-2	84.94	120	UD	416		
trans-1,2-D	156-60-5	96.94	120	UD	475		
1,1-Dichlor	75-34-3	98.96	120	UD	485		
Cyclohexar	110-82-7	84.16	120	UD	413		
2-Butanon	78-93-3	72.11	120	UD	353		
Carbon Tet	56-23-5	153.8	36	UD	226		
cis-1,2-Dich	156-59-2	96.94	200	JD	792		
Chloroform	67-66-3	119.4	120	UD	586		
1,1,1-Trich	71-55-6	133.4	36	UD	196		
2,2,4-Trime	540-84-1	114.2	120	UD	560		
Benzene	71-43-2	78.11	120	UD	383		
1,2-Dichlor	107-06-2	98.96	120	UD	485		
Trichloroet	79-01-6	131.4	430	D	2310		
1,2-Dichlor	78-87-5	113	120	UD	554		
Bromodich	75-27-4	163.8	120	UD	803		
4-Methyl-2	108-10-1	100.2	120	UD	491		
Toluene	108-88-3	92.14	120	UD	452		
t-1,3-Dichl	10061-02-6	111	120	UD	544		
cis-1,3-Dich	10061-01-5	111	120	UD	544		
1,1,2-Trich	79-00-5	133.4	120	UD	654		
Dibromoch	124-48-1	208.3	120	UD	1022		
1,2-Dibrom	106-93-4	187.9	120	UD	922		
Tetrachlor	127-18-4	165.8	11500	D	77983		
Chlorobenz	108-90-7	112.6	120	UD	552		
Ethyl Benze	100-41-4	106.2	120	UD	521		
m/p-Xylene	179601-23	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-Tet	79-34-5	167.9	36	UD	247		

Project: Frost Street Sites / SPGL 100.03
 Field ID Number: INFLUENTDL2
 Laboratory ID Number: G3848-02DL2

TARGET ANALYTES -
 AIR RESULTS

Sampling Date: 09/25/15
 Analysis Date: 09/30/15

2-Chloroto	95-49-8	126.6	120	UD	621		
1,3,5-Trime	108-67-8	120.2	120	UD	589		
1,2,4-Trime	95-63-6	120.2	120	UD	589		
1,3-Dichlor	541-73-1	147	120	UD	721		
1,4-Dichlor	106-46-7	147	120	UD	721		
1,2-Dichlor	95-50-1	147	120	UD	721		
1,2,4-Trich	120-82-1	181.5	120	UD	890		
Hexachloro	87-68-3	260.8	120	UD	1280		
1,3-Butadie	106-99-0	54.09	120	UD	265		
Naphthale	91-20-3	128.17	120	UD	629		
4-Ethyltolu	622-96-8	120.2	120	UD	589		
Hexane	110-54-3	86.17	120	UD	422		
Allyl Chlori	107-05-1	76.53	120	UD	375		
1,4-Dioxan	123-91-1	88.12	120	UD	432		
Methyl Me	80-62-6	100.117	120	UD	491		

SAMPLE DATA

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	09/25/15
Project:	Frost Street Sites / SPGL 100.03	Date Received:	09/28/15
Client Sample ID:	EFFLUENT	SDG No.:	G3848
Lab Sample ID:	G3848-01	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
VL026164.D	1		09/29/15 20:52	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.23	1.14	J	0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.8	1.65		0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.05	0.13		0.08	0.08	0.08	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	2.4	7.08		0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.34	1.91	J	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	U	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.28	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	16.6	50.3	E	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	7.5	30.7		0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	0.1	0.24	U	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	1.6	4.98		0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1.3	4.69		0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	3.4	11.8		0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	2.9	11.5		0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	8.7	30.0		0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	15.9	46.9	E	0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.74	4.65		0.19	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.48	2.34	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.03	0.16	U	0.16	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.1	0.47	U	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	1	3.19		0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	3.8	15.4		0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	0.52	2.79		0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.53	2.45		0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	4.5	18.4		0.2	0.41	2.05	ug/m3
108-88-3	Toluene	54.2	204	E	0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.77	0.77	3.84	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	09/25/15
Project:	Frost Street Sites / SPGL 100.03	Date Received:	09/28/15
Client Sample ID:	EFFLUENT	SDG No.:	G3848
Lab Sample ID:	G3848-01	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
VL026164.D	1		09/29/15 20:52	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	1.2	8.14		0.2	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	0.26	1.2	J	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	8.3	36.0		0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	19	82.5		0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	8.8	38.2		0.43	0.43	2.17	ug/m3
100-42-5	Styrene	13.8	58.8		0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.03	0.21	UQ	0.21	0.21	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	4.7	23.1		0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	9.8	48.2		0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.79	4.75		0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.6	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	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	0.36	1.89	J	0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	6.1	30.0		0.49	0.49	2.46	ug/m3
110-54-3	Hexane	0.1	0.35	U	0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.1	0.36	U	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.85	3.48		0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	12.8			65 - 135		128%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	732338		6.67				
540-36-3	1,4-Difluorobenzene	2189140		8.34				
3114-55-4	Chlorobenzene-d5	2011620		13.76				

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:	09/25/15
Project:	Frost Street Sites / SPGL 100.03	Date Received:	09/28/15
Client Sample ID:	EFFLUENTDL	SDG No.:	G3848
Lab Sample ID:	G3848-01DL	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
VL026165.D	10		09/29/15 21:31	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	1	4.94	UD	1.98	4.94	24.7	ug/m3
74-87-3	Chloromethane	1	2.07	UD	2.07	2.07	10.3	ug/m3
75-01-4	Vinyl Chloride	0.3	0.77	UD	0.77	0.77	0.77	ug/m3
74-83-9	Bromomethane	1	3.88	UD	1.16	3.88	19.4	ug/m3
75-00-3	Chloroethane	1	2.64	UD	2.64	2.64	13.2	ug/m3
109-99-9	Tetrahydrofuran	2.1	6.19	JD	2.95	2.95	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1	5.62	UD	2.25	5.62	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1	7.66	UD	3.07	7.66	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1	6.99	UD	2.8	6.99	35.0	ug/m3
593-60-2	Bromoethene	1	4.37	UD	1.31	4.37	21.9	ug/m3
75-65-0	tert-Butyl alcohol	12.9	39.1	D	3.03	3.03	15.2	ug/m3
142-82-5	Heptane	4.5	18.4	JD	4.1	4.1	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
67-64-1	Acetone	1	2.38	UD	2.38	2.38	11.9	ug/m3
75-15-0	Carbon Disulfide	1	3.11	UD	1.56	3.11	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1	3.61	UD	1.8	3.61	18.0	ug/m3
75-09-2	Methylene Chloride	3.2	11.1	JD	1.74	3.47	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.9	7.53	JD	1.98	3.96	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1	4.05	UD	1.62	4.05	20.2	ug/m3
110-82-7	Cyclohexane	5.7	19.6	D	3.44	3.44	17.2	ug/m3
78-93-3	2-Butanone	12	35.4	D	2.95	2.95	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.3	1.89	UD	1.89	1.89	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	3.96	UD	1.98	3.96	19.8	ug/m3
67-66-3	Chloroform	1	4.88	UD	0.98	4.88	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.3	1.64	UD	1.64	1.64	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1	4.67	UD	1.87	4.67	23.4	ug/m3
71-43-2	Benzene	0.7	2.24	JD	1.28	3.19	16.0	ug/m3
107-06-2	1,2-Dichloroethane	2.7	10.9	JD	4.05	4.05	20.2	ug/m3
79-01-6	Trichloroethene	0.3	1.61	UD	0.81	1.61	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1	4.62	UD	4.62	4.62	23.1	ug/m3
75-27-4	Bromodichloromethane	1	6.7	UD	3.35	6.7	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	2.6	10.7	JD	2.05	4.1	20.5	ug/m3
108-88-3	Toluene	82.8	312	D	1.88	3.77	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1	4.54	UD	4.54	4.54	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1	4.54	UD	4.54	4.54	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	1	5.46	UD	5.46	5.46	27.3	ug/m3
124-48-1	Dibromochloromethane	1	8.52	UD	4.26	8.52	42.6	ug/m3
106-93-4	1,2-Dibromoethane	1	7.69	UD	7.69	7.69	38.4	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	09/25/15
Project:	Frost Street Sites / SPGL 100.03	Date Received:	09/28/15
Client Sample ID:	EFFLUENTDL	SDG No.:	G3848
Lab Sample ID:	G3848-01DL	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
VL026165.D	10		09/29/15 21:31	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.3	2.03	UD	2.03	2.03	2.03	ug/m3
108-90-7	Chlorobenzene	1	4.61	UD	4.61	4.61	23.0	ug/m3
100-41-4	Ethyl Benzene	4.7	20.4	JD	4.34	4.34	21.7	ug/m3
179601-23-1	m/p-Xylene	11	47.8	D	4.34	8.69	43.4	ug/m3
95-47-6	o-Xylene	4.9	21.3	JD	4.34	4.34	21.7	ug/m3
100-42-5	Styrene	6.7	28.5	D	4.26	4.26	21.3	ug/m3
75-25-2	Bromoform	1	10.3	UD	5.17	10.3	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.3	2.06	UDQ	2.06	2.06	2.06	ug/m3
95-49-8	2-Chlorotoluene	1	5.18	UD	5.18	5.18	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	2.3	11.3	JD	4.92	4.92	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	5.1	25.1	D	4.92	4.92	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1	6.01	UD	6.01	6.01	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	1	7.42	UD	2.97	7.42	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1	10.7	UD	10.7	10.7	53.3	ug/m3
106-99-0	1,3-Butadiene	1	2.21	UD	2.21	2.21	11.1	ug/m3
91-20-3	Naphthalene	1	5.24	UD	2.1	5.24	26.2	ug/m3
622-96-8	4-Ethyltoluene	3.2	15.7	JD	4.92	4.92	24.6	ug/m3
110-54-3	Hexane	1	3.52	UD	1.41	3.52	17.6	ug/m3
107-05-1	Allyl Chloride	1	3.13	UD	1.57	3.13	15.6	ug/m3
123-91-1	1,4-Dioxane	1	3.6	UD	3.6	3.6	18.0	ug/m3
80-62-6	Methyl Methacrylate	1	4.09	UD	4.09	4.09	20.5	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.7			65 - 135		107%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	963233		6.66				
540-36-3	1,4-Difluorobenzene	2614600		8.34				
3114-55-4	Chlorobenzene-d5	3014220		13.76				

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:	09/25/15
Project:	Frost Street Sites / SPGL 100.03	Date Received:	09/28/15
Client Sample ID:	INFLUENT	SDG No.:	G3848
Lab Sample ID:	G3848-02	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
VL026166.D	1		09/29/15 22:12	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.65	3.21		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	0.18	0.37	J	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.08	0.08	0.08	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.58	1.71		0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.32	1.8	J	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	J	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.28	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	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	0.16	0.66	J	0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	2	4.75	B	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.1	0.31	U	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	0.48	1.67	J	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.8	7.14		0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	1	3.44		0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.9	2.65		0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.06	0.38		0.19	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	100	396	E	0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	0.15	0.73	J	0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	2.5	13.6		0.16	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.1	0.47	U	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.1	0.32	U	0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	130	698	E	0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.1	0.46	U	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	1.5	5.65		0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.77	0.77	3.84	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	09/25/15
Project:	Frost Street Sites / SPGL 100.03	Date Received:	09/28/15
Client Sample ID:	INFLUENT	SDG No.:	G3848
Lab Sample ID:	G3848-02	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
VL026166.D	1		09/29/15 22:12	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	1000	6781	E	0.2	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	0.77	3.55		0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.27	1.17	J	0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	1	4.34		0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.37	1.61	J	0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.03	0.21	UQ	0.21	0.21	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.1	0.49	U	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.13	0.64	J	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.17	1.02	J	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.33	1.98	J	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.6	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	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.22	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	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	0.1	0.35	U	0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.1	0.36	U	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	12.7			65 - 135		127%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	901448		6.67				
540-36-3	1,4-Difluorobenzene	2344480		8.35				
3114-55-4	Chlorobenzene-d5	1666730		13.94				

U = Not Detected

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MDL = Method Detection Limit

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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:	09/25/15
Project:	Frost Street Sites / SPGL 100.03	Date Received:	09/28/15
Client Sample ID:	INFLUENTDL	SDG No.:	G3848
Lab Sample ID:	G3848-02DL	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
VL026168.D	120		09/29/15 23:31	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	12	59.3	UD	23.7	59.3	296	ug/m3
74-87-3	Chloromethane	12	24.8	UD	24.8	24.8	123	ug/m3
75-01-4	Vinyl Chloride	3.6	9.2	UD	9.2	9.2	9.2	ug/m3
74-83-9	Bromomethane	12	46.6	UD	14.0	46.6	232	ug/m3
75-00-3	Chloroethane	12	31.7	UD	31.7	31.7	158	ug/m3
109-99-9	Tetrahydrofuran	12	35.4	UD	35.4	35.4	176	ug/m3
75-69-4	Trichlorofluoromethane	12	67.4	UD	27.0	67.4	337	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	12	92.0	UD	36.8	92.0	459	ug/m3
76-14-2	Dichlorotetrafluoroethane	12	83.9	UD	33.6	83.9	419	ug/m3
593-60-2	Bromoethene	12	52.5	UD	15.7	52.5	262	ug/m3
75-65-0	tert-Butyl alcohol	12	36.4	UD	36.4	36.4	181	ug/m3
142-82-5	Heptane	12	49.2	UD	49.2	49.2	245	ug/m3
75-35-4	1,1-Dichloroethene	12	47.6	UD	23.8	47.6	237	ug/m3
67-64-1	Acetone	12	28.5	UD	28.5	28.5	142	ug/m3
75-15-0	Carbon Disulfide	12	37.4	UD	18.7	37.4	186	ug/m3
1634-04-4	Methyl tert-Butyl Ether	12	43.3	UD	21.6	43.3	216	ug/m3
75-09-2	Methylene Chloride	12	41.7	UD	20.8	41.7	208	ug/m3
156-60-5	trans-1,2-Dichloroethene	12	47.6	UD	23.8	47.6	237	ug/m3
75-34-3	1,1-Dichloroethane	12	48.6	UD	19.4	48.6	242	ug/m3
110-82-7	Cyclohexane	12	41.3	UD	41.3	41.3	206	ug/m3
78-93-3	2-Butanone	12	35.4	UD	35.4	35.4	176	ug/m3
56-23-5	Carbon Tetrachloride	3.6	22.6	UD	22.6	22.6	22.6	ug/m3
156-59-2	cis-1,2-Dichloroethene	210	832	D	23.8	47.6	237	ug/m3
67-66-3	Chloroform	12	58.6	UD	11.7	58.6	293	ug/m3
71-55-6	1,1,1-Trichloroethane	3.6	19.6	UD	19.6	19.6	19.6	ug/m3
540-84-1	2,2,4-Trimethylpentane	12	56.0	UD	22.4	56.0	280	ug/m3
71-43-2	Benzene	12	38.3	UD	15.3	38.3	191	ug/m3
107-06-2	1,2-Dichloroethane	12	48.6	UD	48.6	48.6	242	ug/m3
79-01-6	Trichloroethene	420	2257	D	9.67	19.4	19.4	ug/m3
78-87-5	1,2-Dichloropropane	12	55.5	UD	55.5	55.5	277	ug/m3
75-27-4	Bromodichloromethane	12	80.4	UD	40.2	80.4	401	ug/m3
108-10-1	4-Methyl-2-Pentanone	12	49.2	UD	24.6	49.2	245	ug/m3
108-88-3	Toluene	12	45.2	UD	22.6	45.2	226	ug/m3
10061-02-6	t-1,3-Dichloropropene	12	54.5	UD	54.5	54.5	272	ug/m3
10061-01-5	cis-1,3-Dichloropropene	12	54.5	UD	54.5	54.5	272	ug/m3
79-00-5	1,1,2-Trichloroethane	12	65.5	UD	65.5	65.5	327	ug/m3
124-48-1	Dibromochloromethane	12	102	UD	51.1	102	511	ug/m3
106-93-4	1,2-Dibromoethane	12	92.2	UD	92.2	92.2	461	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	09/25/15
Project:	Frost Street Sites / SPGL 100.03	Date Received:	09/28/15
Client Sample ID:	INFLUENTDL	SDG No.:	G3848
Lab Sample ID:	G3848-02DL	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
VL026168.D	120		09/29/15 23:31	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	6200	42043	ED	24.4	24.4	24.4	ug/m3
108-90-7	Chlorobenzene	12	55.3	UD	55.3	55.3	276	ug/m3
100-41-4	Ethyl Benzene	12	52.1	UD	52.1	52.1	260	ug/m3
179601-23-1	m/p-Xylene	24	104	UD	52.1	104	521	ug/m3
95-47-6	o-Xylene	12	52.1	UD	52.1	52.1	260	ug/m3
100-42-5	Styrene	12	51.1	UD	51.1	51.1	255	ug/m3
75-25-2	Bromoform	12	124	UD	62.0	124	620	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	3.6	24.7	UDQ	24.7	24.7	24.7	ug/m3
95-49-8	2-Chlorotoluene	12	62.1	UD	62.1	62.1	310	ug/m3
108-67-8	1,3,5-Trimethylbenzene	12	59.0	UD	59.0	59.0	294	ug/m3
95-63-6	1,2,4-Trimethylbenzene	12	59.0	UD	59.0	59.0	294	ug/m3
541-73-1	1,3-Dichlorobenzene	12	72.2	UD	72.2	72.2	360	ug/m3
106-46-7	1,4-Dichlorobenzene	12	72.2	UD	72.2	72.2	360	ug/m3
95-50-1	1,2-Dichlorobenzene	12	72.2	UD	72.2	72.2	360	ug/m3
120-82-1	1,2,4-Trichlorobenzene	12	89.1	UD	35.6	89.1	445	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	12	128	UD	128	128	640	ug/m3
106-99-0	1,3-Butadiene	12	26.6	UD	26.6	26.6	132	ug/m3
91-20-3	Naphthalene	12	62.9	UD	25.2	62.9	314	ug/m3
622-96-8	4-Ethyltoluene	12	59.0	UD	59.0	59.0	294	ug/m3
110-54-3	Hexane	12	42.3	UD	16.9	42.3	211	ug/m3
107-05-1	Allyl Chloride	12	37.6	UD	18.8	37.6	187	ug/m3
123-91-1	1,4-Dioxane	12	43.2	UD	43.2	43.2	216	ug/m3
80-62-6	Methyl Methacrylate	12	49.1	UD	49.1	49.1	245	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135		106%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	935231		6.67				
540-36-3	1,4-Difluorobenzene	2457590		8.34				
3114-55-4	Chlorobenzene-d5	2793860		13.77				

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:	09/25/15
Project:	Frost Street Sites / SPGL 100.03	Date Received:	09/28/15
Client Sample ID:	INFLUENTDL2	SDG No.:	G3848
Lab Sample ID:	G3848-02DL2	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
VL026169.D	1200		09/30/15 00:11	VL092915

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	247	247	1239	ug/m3
75-01-4	Vinyl Chloride	36	92.0	UD	92.0	92.0	92.0	ug/m3
74-83-9	Bromomethane	120	465	UD	139	465	2329	ug/m3
75-00-3	Chloroethane	120	316	UD	316	316	1583	ug/m3
109-99-9	Tetrahydrofuran	120	353	UD	353	353	1769	ug/m3
75-69-4	Trichlorofluoromethane	120	674	UD	269	674	3371	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	120	919	UD	367	919	4598	ug/m3
76-14-2	Dichlorotetrafluoroethane	120	838	UD	335	838	4193	ug/m3
593-60-2	Bromoethene	120	524	UD	157	524	2623	ug/m3
75-65-0	tert-Butyl alcohol	120	363	UD	363	363	1818	ug/m3
142-82-5	Heptane	120	491	UD	491	491	2458	ug/m3
75-35-4	1,1-Dichloroethene	120	475	UD	237	475	2378	ug/m3
67-64-1	Acetone	120	285	UD	285	285	1425	ug/m3
75-15-0	Carbon Disulfide	120	373	UD	186	373	1868	ug/m3
1634-04-4	Methyl tert-Butyl Ether	120	432	UD	216	432	2163	ug/m3
75-09-2	Methylene Chloride	120	416	UD	208	416	2084	ug/m3
156-60-5	trans-1,2-Dichloroethene	120	475	UD	237	475	2378	ug/m3
75-34-3	1,1-Dichloroethane	120	485	UD	194	485	2428	ug/m3
110-82-7	Cyclohexane	120	413	UD	413	413	2065	ug/m3
78-93-3	2-Butanone	120	353	UD	353	353	1769	ug/m3
56-23-5	Carbon Tetrachloride	36	226	UD	226	226	226	ug/m3
156-59-2	cis-1,2-Dichloroethene	200	792	JD	237	475	2378	ug/m3
67-66-3	Chloroform	120	586	UD	117	586	2930	ug/m3
71-55-6	1,1,1-Trichloroethane	36	196	UD	196	196	196	ug/m3
540-84-1	2,2,4-Trimethylpentane	120	560	UD	224	560	2802	ug/m3
71-43-2	Benzene	120	383	UD	153	383	1916	ug/m3
107-06-2	1,2-Dichloroethane	120	485	UD	485	485	2428	ug/m3
79-01-6	Trichloroethene	430	2310	D	96.7	193	193	ug/m3
78-87-5	1,2-Dichloropropane	120	554	UD	554	554	2773	ug/m3
75-27-4	Bromodichloromethane	120	803	UD	401	803	4019	ug/m3
108-10-1	4-Methyl-2-Pentanone	120	491	UD	245	491	2458	ug/m3
108-88-3	Toluene	120	452	UD	226	452	2261	ug/m3
10061-02-6	t-1,3-Dichloropropene	120	544	UD	544	544	2723	ug/m3
10061-01-5	cis-1,3-Dichloropropene	120	544	UD	544	544	2723	ug/m3
79-00-5	1,1,2-Trichloroethane	120	654	UD	654	654	3273	ug/m3
124-48-1	Dibromochloromethane	120	1022	UD	511	1022	5111	ug/m3
106-93-4	1,2-Dibromoethane	120	922	UD	922	922	4611	ug/m3

Report of Analysis

Client:	Envirotrac Environmental Services	Date Collected:	09/25/15
Project:	Frost Street Sites / SPGL 100.03	Date Received:	09/28/15
Client Sample ID:	INFLUENTDL2	SDG No.:	G3848
Lab Sample ID:	G3848-02DL2	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
VL026169.D	1200		09/30/15 00:11	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	11500	77983	D	244	244	244	ug/m3
108-90-7	Chlorobenzene	120	552	UD	552	552	2763	ug/m3
100-41-4	Ethyl Benzene	120	521	UD	521	521	2606	ug/m3
179601-23-1	m/p-Xylene	240	1042	UD	521	1042	5212	ug/m3
95-47-6	o-Xylene	120	521	UD	521	521	2606	ug/m3
100-42-5	Styrene	120	510	UD	510	510	2554	ug/m3
75-25-2	Bromoform	120	1240	UD	620	1240	6203	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	36	247	UDQ	247	247	247	ug/m3
95-49-8	2-Chlorotoluene	120	621	UD	621	621	3106	ug/m3
108-67-8	1,3,5-Trimethylbenzene	120	589	UD	589	589	2949	ug/m3
95-63-6	1,2,4-Trimethylbenzene	120	589	UD	589	589	2949	ug/m3
541-73-1	1,3-Dichlorobenzene	120	721	UD	721	721	3607	ug/m3
106-46-7	1,4-Dichlorobenzene	120	721	UD	721	721	3607	ug/m3
95-50-1	1,2-Dichlorobenzene	120	721	UD	721	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	1280	1280	6400	ug/m3
106-99-0	1,3-Butadiene	120	265	UD	265	265	1327	ug/m3
91-20-3	Naphthalene	120	629	UD	251	629	3145	ug/m3
622-96-8	4-Ethyltoluene	120	589	UD	589	589	2949	ug/m3
110-54-3	Hexane	120	422	UD	169	422	2114	ug/m3
107-05-1	Allyl Chloride	120	375	UD	187	375	1878	ug/m3
123-91-1	1,4-Dioxane	120	432	UD	432	432	2162	ug/m3
80-62-6	Methyl Methacrylate	120	491	UD	491	491	2456	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135		106%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	925571		6.67				
540-36-3	1,4-Difluorobenzene	2404740		8.34				
3114-55-4	Chlorobenzene-d5	2754350		13.76				

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.: G3848

Client: Envirotrac Environmental Services

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
G3848-01	EFFLUENT	1-Bromo-4-Fluorobenzene	10	12.84	128	65	135
G3848-01DL	EFFLUENTDL	1-Bromo-4-Fluorobenzene	10	10.74	107	65	135
G3848-02	INFLUENT	1-Bromo-4-Fluorobenzene	10	12.69	127	65	135
G3848-02DL	INFLUENTDL	1-Bromo-4-Fluorobenzene	10	10.62	106	65	135
G3848-02DL2	INFLUENTDL2	1-Bromo-4-Fluorobenzene	10	10.55	106	65	135
G3860-02DUP	MLC-02DUP	1-Bromo-4-Fluorobenzene	10	10.65	106	65	135
VL0929ABL01	VL0929ABL01	1-Bromo-4-Fluorobenzene	10	10.59	106	65	135
VL0929ABS01	VL0929ABS01	1-Bromo-4-Fluorobenzene	10	10.46	105	65	135

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

SDG No.: G3848

Client: Envirotrac Environmental Services

Analytical Method: SWTO-15 **Datafile :** VL026153.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VL0929ABS01	Dichlorodifluoromethane	10	12.7	ppbv	127			70	130	
	Chloromethane	10	8.9	ppbv	89			70	130	
	Vinyl Chloride	10	8.5	ppbv	85			70	130	
	Bromomethane	10	10.1	ppbv	101			70	130	
	Chloroethane	10	9.3	ppbv	93			70	130	
	Tetrahydrofuran	10	8	ppbv	80			70	130	
	Trichlorofluoromethane	10	10.1	ppbv	101			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.8	ppbv	98			70	130	
	Dichlorotetrafluoroethane	10	9.5	ppbv	95			70	130	
	Bromoethene	10	9.9	ppbv	99			70	130	
	tert-Butyl Alcohol	10	9.7	ppbv	97			70	130	
	Heptane	10	8.7	ppbv	87			70	130	
	1,1-Dichloroethene	10	9.7	ppbv	97			70	130	
	Acetone	10	8.4	ppbv	84			70	130	
	Carbon disulfide	10	10.5	ppbv	105			70	130	
	Methyl tert-butyl Ether	10	9.7	ppbv	97			70	130	
	Methylene Chloride	10	9	ppbv	90			70	130	
	trans-1,2-Dichloroethene	10	9.4	ppbv	94			70	130	
	1,1-Dichloroethane	10	9.1	ppbv	91			70	130	
	Cyclohexane	10	9.3	ppbv	93			70	130	
	2-Butanone	10	7.7	ppbv	77			70	130	
	Carbon Tetrachloride	10	9	ppbv	90			70	130	
	cis-1,2-Dichloroethene	10	9.2	ppbv	92			70	130	
	Chloroform	10	9.6	ppbv	96			70	130	
	1,1,1-Trichloroethane	10	9.6	ppbv	96			70	130	
	2,2,4-Trimethylpentane	10	7.8	ppbv	78			70	130	
	Benzene	10	8.2	ppbv	82			70	130	
	1,2-Dichloroethane	10	8.7	ppbv	87			70	130	
	Trichloroethene	10	7.5	ppbv	75			70	130	
	1,2-Dichloropropane	10	8	ppbv	80			70	130	
	Bromodichloromethane	10	9.1	ppbv	91			70	130	
	4-Methyl-2-Pentanone	10	8.3	ppbv	83			70	130	
	Toluene	10	8.6	ppbv	86			70	130	
	t-1,3-Dichloropropene	10	9.9	ppbv	99			70	130	
	cis-1,3-Dichloropropene	10	9.5	ppbv	95			70	130	
	1,1,2-Trichloroethane	10	8.5	ppbv	85			70	130	
	Dibromochloromethane	10	9.7	ppbv	97			70	130	
	1,2-Dibromoethane	10	8.6	ppbv	86			70	130	
	Tetrachloroethene	10	7.7	ppbv	77			70	130	
	Chlorobenzene	10	8.1	ppbv	81			70	130	
	Ethyl Benzene	10	8.2	ppbv	82			70	130	
	m/p-Xylene	20	16.2	ppbv	81			70	130	
	o-Xylene	10	8	ppbv	80			70	130	
	Styrene	10	9	ppbv	90			70	130	
	Bromoform	10	10.2	ppbv	102			70	130	
	1,1,2,2-Tetrachloroethane	10	6.9	ppbv	69		*	70	130	
	2-Chlorotoluene	10	8.3	ppbv	83			70	130	
	1,3,5-Trimethylbenzene	10	8.5	ppbv	85			70	130	
	1,2,4-Trimethylbenzene	10	8	ppbv	80			70	130	

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

SDG No.: G3848
Client: Envirotrac Environmental Services
Analytical Method: SWTO-15

Datafile : VL026153.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VL0929ABS01	1,3-Dichlorobenzene	10	8.4	ppbv	84			70	130	
	1,4-Dichlorobenzene	10	8.4	ppbv	84			70	130	
	1,2-Dichlorobenzene	10	8.4	ppbv	84			70	130	
	1,2,4-Trichlorobenzene	10	7.6	ppbv	76			70	130	
	Hexachloro-1,3-butadiene	10	8.2	ppbv	82			70	130	
	Naphthalene	10	7.8	ppbv	78			70	130	
	1,3-Butadiene	10	8.9	ppbv	89			70	130	
	4-Ethyltoluene	10	8.6	ppbv	86			70	130	
	Hexane	10	8.9	ppbv	89			70	130	
	Allyl Chloride	10	9.2	ppbv	92			70	130	
	1,4-Dioxane	10	12.8	ppbv	128			70	130	
	Methyl methacrylate	10	8.9	ppbv	89			70	130	

Duplicate Sample Summary

Lab Sample Id :	G3860-02DUP	G3860-02
Client Id :	MLC-02DUP	MLC-02
DF :	1	1
Datafile :	VL026161.D	VL026160.D
Anal Date & Time :	09/29/2015 18:50	09/29/2015 18:09

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	0.16	0.12	28.6 *
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	0.12	0.14	15.4
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	4.3	4	7.2
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 :	G3860-02DUP	G3860-02
Client Id :	MLC-02DUP	MLC-02
DF :	1	1
Datafile :	VL026161.D	VL026160.D
Anal Date & Time :	09/29/2015 18:50	09/29/2015 18:09

Parameter	Result	Result	RPD
Carbon Tetrachloride	0.07	0.07	0
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.47	0.46	2.2
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.73	0.69	5.6
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	0.55	0.52	5.6
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	0.03	0.03	0
Tetrahydrofuran	0	0	0
Toluene	0.8	0.75	6.5
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.28	0.25	11.3
Vinyl Chloride	0	0	0

Duplicate Sample Summary

Lab Sample Id :

G3860-02DUP

G3860-02

Client Id :

MLC-02DUP

MLC-02

DF :

1

1

Datafile :

VL026161.D

VL026160.D

Anal Date & Time :

09/29/2015

18:50

09/29/2015

18:09

Parameter	Result	Result	RPD

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0929ABL01

Lab Name: CHEMTECH

Contract: ENVI27

Lab Code: CHEM Case No.: G3848

SAS No.: G3848 SDG NO.: G3848

Lab File ID: VL026152.D

Lab Sample ID: VL0929ABL01

Date Analyzed: 09/29/2015

Time Analyzed: 12:49

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
VL0929ABS01	VL0929ABS01	VL026153.D	09/29/2015
MLC-02DUP	G3860-02DUP	VL026161.D	09/29/2015
EFFLUENT	G3848-01	VL026164.D	09/29/2015
EFFLUENTDL	G3848-01DL	VL026165.D	09/29/2015
INFLUENT	G3848-02	VL026166.D	09/29/2015
INFLUENTDL	G3848-02DL	VL026168.D	09/29/2015
INFLUENTDL2	G3848-02DL2	VL026169.D	09/30/2015

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27
Lab Code: CHEM Case No.: G3848 SAS No.: G3848 SDG NO.: G3848
Lab File ID: VL026041.D BFB Injection Date: 09/04/2015
Instrument ID: MSVOA_L BFB Injection Time: 09:25
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	20.7
75	30.0 - 66.0% of mass 95	51.1
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	64.4
175	4.0 - 9.0% of mass 174	4.8 (7.4) 1
176	93.0 - 101.0% of mass 174	61.9 (96) 1
177	5.0 - 9.0% of mass 176	4.1 (6.5) 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	VL026042.D	09/04/2015	10:55
VSTDICCC002	VSTDICCC002	VL026043.D	09/04/2015	11:37
VSTDICCC001	VSTDICCC001	VL026044.D	09/04/2015	12:15
VSTDICCC0.5	VSTDICCC0.5	VL026045.D	09/04/2015	12:53
VSTDICCC0.1	VSTDICCC0.1	VL026046.D	09/04/2015	13:31
VSTDICCC0.03	VSTDICCC0.03	VL026047.D	09/04/2015	14:10
VSTDICCC015	VSTDICCC015	VL026048.D	09/04/2015	14:51

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENVI27
Lab Code: CHEM Case No.: G3848 SAS No.: G3848 SDG NO.: G3848
Lab File ID: VL026150.D BFB Injection Date: 09/29/2015
Instrument ID: MSVOA_L BFB Injection Time: 09:53
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	20.1
75	30.0 - 66.0% of mass 95	51.1
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	65.2
175	4.0 - 9.0% of mass 174	5.2 (7.9) 1
176	93.0 - 101.0% of mass 174	62.8 (96.4) 1
177	5.0 - 9.0% of mass 176	4.1 (6.5) 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	VL026151.D	09/29/2015	11:26
VL0929ABL01	VL0929ABL01	VL026152.D	09/29/2015	12:49
VL0929ABS01	VL0929ABS01	VL026153.D	09/29/2015	13:28
MLC-02DUP	G3860-02DUP	VL026161.D	09/29/2015	18:50
EFFLUENT	G3848-01	VL026164.D	09/29/2015	20:52
EFFLUENTDL	G3848-01DL	VL026165.D	09/29/2015	21:31
INFLUENT	G3848-02	VL026166.D	09/29/2015	22:12
INFLUENTDL	G3848-02DL	VL026168.D	09/29/2015	23:31
INFLUENTDL2	G3848-02DL2	VL026169.D	09/30/2015	00:11

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENVI27
 Lab Code: CHEM Case No.: G3848 SAS No.: G3848 SDG NO.: G3848
 Lab File ID: VL026151.D Date Analyzed: 09/29/2015
 Instrument ID: MSVOA_L Time Analyzed: 11:26
 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	862473	6.65	2576280	8.32	2822940	13.74
UPPER LIMIT	1207460	6.98	3606790	8.65	3952110	14.07
LOWER LIMIT	517484	6.32	1545770	7.99	1693760	13.41
EPA SAMPLE NO.						
EFFLUENT	732338	6.67	2189136	8.34	2011618	13.76
EFFLUENTDL	963233	6.66	2614604	8.34	3014217	13.76
INFLUENT	901448	6.67	2344476	8.35	1666729 *	13.94
INFLUENTDL	935231	6.67	2457591	8.34	2793861	13.77
INFLUENTDL2	925571	6.67	2404740	8.34	2754349	13.76
MLC-02DUP	796841	6.66	2077659	8.33	1902547	13.75
VL0929ABL01	924792	6.65	2468591	8.32	2934057	13.74
VL0929ABS01	859968	6.65	2510483	8.33	2922540	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:	VL0929ABL01	SDG No.:	G3848
Lab Sample ID:	VL0929ABL01	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
VL026152.D	1		09/29/15 12:49	VL092915

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	0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.03	0.08	U	0.08	0.08	0.08	ug/m3
74-83-9	Bromomethane	0.1	0.39	U	0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	0.1	0.26	U	0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.1	0.29	U	0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.1	0.56	U	0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	0.77	U	0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.1	0.7	U	0.28	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	0.3	0.3	1.52	ug/m3
142-82-5	Heptane	0.1	0.41	U	0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
67-64-1	Acetone	0.4	0.95	J	0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	0.1	0.31	U	0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.1	0.36	U	0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	0.1	0.35	U	0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.1	0.4	U	0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.1	0.4	U	0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	0.1	0.34	U	0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	0.1	0.29	U	0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.03	0.19	U	0.19	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.1	0.4	U	0.2	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	0.16	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.1	0.47	U	0.19	0.47	2.34	ug/m3
71-43-2	Benzene	0.1	0.32	U	0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	0.1	0.4	U	0.4	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	0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	0.1	0.67	U	0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.1	0.41	U	0.2	0.41	2.05	ug/m3
108-88-3	Toluene	0.1	0.38	U	0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.1	0.45	U	0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.1	0.55	U	0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	0.1	0.85	U	0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.1	0.77	U	0.77	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:	VL0929ABL01	SDG No.:	G3848
Lab Sample ID:	VL0929ABL01	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
VL026152.D	1		09/29/15 12:49	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	0.03	0.2	U	0.2	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	0.1	0.46	U	0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	0.1	0.43	U	0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	0.2	0.87	U	0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	0.1	0.43	U	0.43	0.43	2.17	ug/m3
100-42-5	Styrene	0.1	0.43	U	0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	0.1	1.03	U	0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.03	0.21	U	0.21	0.21	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.1	0.52	U	0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.1	0.49	U	0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.1	0.49	U	0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.1	0.6	U	0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.1	0.6	U	0.6	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	1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	0.1	0.22	U	0.22	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	0.49	0.49	2.46	ug/m3
110-54-3	Hexane	0.1	0.35	U	0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	0.1	0.31	U	0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	0.1	0.36	U	0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	0.1	0.41	U	0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135		106%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	924792		6.65				
540-36-3	1,4-Difluorobenzene	2468590		8.32				
3114-55-4	Chlorobenzene-d5	2934060		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:	VL0929ABS01	SDG No.:	G3848
Lab Sample ID:	VL0929ABS01	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
VL026153.D	1		09/29/15 13:28	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	12.7	62.8		0.2	0.49	2.47	ug/m3
74-87-3	Chloromethane	8.9	18.4		0.21	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	8.5	21.7		0.08	0.08	0.08	ug/m3
74-83-9	Bromomethane	10.1	39.2		0.12	0.39	1.94	ug/m3
75-00-3	Chloroethane	9.3	24.5		0.26	0.26	1.32	ug/m3
109-99-9	Tetrahydrofuran	8	23.6		0.29	0.29	1.47	ug/m3
75-69-4	Trichlorofluoromethane	10.1	56.8		0.22	0.56	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.8	75.1		0.31	0.77	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.5	66.4		0.28	0.7	3.49	ug/m3
593-60-2	Bromoethene	9.9	43.3		0.13	0.44	2.19	ug/m3
75-65-0	tert-Butyl alcohol	9.7	29.4		0.3	0.3	1.52	ug/m3
142-82-5	Heptane	8.7	35.6		0.41	0.41	2.05	ug/m3
75-35-4	1,1-Dichloroethene	9.7	38.5		0.2	0.4	1.98	ug/m3
67-64-1	Acetone	8.4	20.0		0.24	0.24	1.19	ug/m3
75-15-0	Carbon Disulfide	10.5	32.7		0.16	0.31	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	9.7	35.0		0.18	0.36	1.8	ug/m3
75-09-2	Methylene Chloride	9	31.3		0.17	0.35	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.4	37.3		0.2	0.4	1.98	ug/m3
75-34-3	1,1-Dichloroethane	9.1	36.8		0.16	0.4	2.02	ug/m3
110-82-7	Cyclohexane	9.3	32.0		0.34	0.34	1.72	ug/m3
78-93-3	2-Butanone	7.7	22.7		0.29	0.29	1.47	ug/m3
56-23-5	Carbon Tetrachloride	9	56.6		0.19	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.2	36.5		0.2	0.4	1.98	ug/m3
67-66-3	Chloroform	9.6	46.9		0.1	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.6	52.4		0.16	0.16	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	7.8	36.4		0.19	0.47	2.34	ug/m3
71-43-2	Benzene	8.2	26.2		0.13	0.32	1.6	ug/m3
107-06-2	1,2-Dichloroethane	8.7	35.2		0.4	0.4	2.02	ug/m3
79-01-6	Trichloroethene	7.5	40.3		0.11	0.16	0.16	ug/m3
78-87-5	1,2-Dichloropropane	8	37.0		0.46	0.46	2.31	ug/m3
75-27-4	Bromodichloromethane	9.1	61.0		0.33	0.67	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	8.3	34.0		0.2	0.41	2.05	ug/m3
108-88-3	Toluene	8.6	32.4		0.19	0.38	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	9.9	44.9		0.45	0.45	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	9.5	43.1		0.45	0.45	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	8.5	46.4		0.55	0.55	2.73	ug/m3
124-48-1	Dibromochloromethane	9.7	82.6		0.43	0.85	4.26	ug/m3
106-93-4	1,2-Dibromoethane	8.6	66.1		0.77	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:	VL0929ABS01	SDG No.:	G3848
Lab Sample ID:	VL0929ABS01	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
VL026153.D	1		09/29/15 13:28	VL092915

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
127-18-4	Tetrachloroethene	7.7	52.2		0.2	0.2	0.2	ug/m3
108-90-7	Chlorobenzene	8.1	37.3		0.46	0.46	2.3	ug/m3
100-41-4	Ethyl Benzene	8.2	35.6		0.43	0.43	2.17	ug/m3
179601-23-1	m/p-Xylene	16.2	70.4		0.43	0.87	4.34	ug/m3
95-47-6	o-Xylene	8	34.8		0.43	0.43	2.17	ug/m3
100-42-5	Styrene	9	38.3		0.43	0.43	2.13	ug/m3
75-25-2	Bromoform	10.2	105		0.52	1.03	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	6.9	47.4		0.21	0.21	0.21	ug/m3
95-49-8	2-Chlorotoluene	8.3	43.0		0.52	0.52	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	8.5	41.8		0.49	0.49	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	8	39.3		0.49	0.49	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	8.4	50.5		0.6	0.6	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	8.4	50.5		0.6	0.6	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	8.4	50.5		0.6	0.6	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	7.6	56.4		0.3	0.74	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	8.2	87.5		1.07	1.07	5.33	ug/m3
106-99-0	1,3-Butadiene	8.9	19.7		0.22	0.22	1.11	ug/m3
91-20-3	Naphthalene	7.8	40.9		0.21	0.52	2.62	ug/m3
622-96-8	4-Ethyltoluene	8.6	42.3		0.49	0.49	2.46	ug/m3
110-54-3	Hexane	8.9	31.4		0.14	0.35	1.76	ug/m3
107-05-1	Allyl Chloride	9.2	28.8		0.16	0.31	1.57	ug/m3
123-91-1	1,4-Dioxane	12.8	46.1		0.36	0.36	1.8	ug/m3
80-62-6	Methyl Methacrylate	8.9	36.4		0.41	0.41	2.05	ug/m3
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.5			65 - 135		105%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	859968		6.65				
540-36-3	1,4-Difluorobenzene	2510480		8.33				
3114-55-4	Chlorobenzene-d5	2922540		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.: G3848 SAS No.: G3848 SDG No.: G3848
 Instrument ID: MSVOA_L Calibration Date(s): 09/04/2015 09/04/2015
 Heated Purge: (Y/N) N Calibration Time(s): 10:55 14:51
 GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:		RRF010 = VL026042.D		RRF002 = VL026043.D		RRF001 = VL026044.D		RRF0.5 = VL026045.D		RRF0.1 = VL026046.D		RRF.03 = VL026047.D	
COMPOUND		RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	RRF	% RSD				
Dichlorodifluoromethane		1.052	1.385	1.878	1.795			1.435	27.2				
Chloromethane		0.643	0.692	0.680	0.698			0.679	3.2				
Vinyl Chloride		0.635	0.691	0.670	0.668	0.717	1.017	0.725	18.1				
Bromomethane		0.430	0.468	0.470	0.447			0.456	3.8				
Chloroethane		0.269	0.289	0.287	0.285			0.282	2.8				
Tetrahydrofuran		0.375	0.394	0.379	0.360			0.376	3.3				
Trichlorofluoromethane		1.500	1.699	1.713	1.677			1.647	5.2				
1,1,2-Trichlorotrifluoroethane		1.024	1.187	1.199	1.170			1.136	6.5				
Dichlorotetrafluoroethane		1.401	1.616	1.625	1.679			1.557	7.6				
Bromoethene		0.462	0.504	0.493	0.482			0.484	3.3				
tert-Butyl alcohol		0.875	0.758	0.782	0.668			0.807	13.5				
Heptane		1.918	2.129	2.065	2.061			2.021	4.5				
1,1-Dichloroethene		0.497	0.551	0.549	0.529			0.531	4				
Acetone		1.006	1.362	1.373	1.395			1.242	15				
Carbon Disulfide		1.380	1.399	1.300	1.188			1.354	8.7				
Methyl tert-Butyl Ether		1.933	1.957	1.933	1.835			1.924	2.7				
Methylene Chloride		0.461	0.539	0.573	0.577			0.528	9.6				
trans-1,2-Dichloroethene		0.675	0.733	0.721	0.722			0.714	3.2				
1,1-Dichloroethane		1.469	1.615	1.647	1.636			1.587	4.6				
Cyclohexane		1.179	1.219	1.209	1.226			1.208	1.5				
2-Butanone		0.605	0.679	0.670	0.654			0.642	5.6				
Carbon Tetrachloride		0.612	0.656	0.637	0.605	0.625	0.940	0.671	17.9				
cis-1,2-Dichloroethene		1.143	1.182	1.145	1.118			1.156	2.6				
Chloroform		1.674	1.777	1.773	1.784			1.755	2.6				
1,1,1-Trichloroethane		1.656	1.651	1.585	1.556	1.755	2.358	1.756	15.6				
2,2,4-Trimethylpentane		1.583	1.977	1.992	1.936			1.791	13.8				
Benzene		0.995	1.105	1.117	1.109			1.057	7				
1,2-Dichloroethane		0.497	0.544	0.546	0.545			0.528	4.5				
Trichloroethene		0.375	0.446	0.442	0.444	0.499	0.675	0.462	22.9				
1,2-Dichloropropane		0.370	0.416	0.407	0.425			0.397	6.7				
Bromodichloromethane		0.680	0.728	0.718	0.673			0.696	3.6				
4-Methyl-2-Pentanone		0.848	0.929	0.870	0.824			0.860	5				
Toluene		1.255	1.436	1.397	1.355			1.335	6.6				

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENVI27
 Lab Code: CHEM Case No.: G3848 SAS No.: G3848 SDG No.: G3848
 Instrument ID: MSVOA_L Calibration Date(s): 09/04/2015 09/04/2015
 Heated Purge: (Y/N) N Calibration Time(s): 10:55 14:51
 GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:	RRF010 = VL026042.D	RRF002 = VL026043.D	RRF001 = VL026044.D					
	RRF0.5 = VL026045.D	RRF0.1 = VL026046.D	RRF.03 = VL026047.D					
COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	RRF	% RSD
t-1,3-Dichloropropene	0.548	0.518	0.444	0.395			0.492	14.1
cis-1,3-Dichloropropene	0.646	0.651	0.589	0.515			0.609	9.6
1,1,2-Trichloroethane	0.418	0.474	0.465	0.479			0.450	7
Dibromochloromethane	0.627	0.656	0.592	0.541			0.610	7.3
1,2-Dibromoethane	0.640	0.709	0.690	0.685			0.671	5
Tetrachloroethene	0.401	0.452	0.438	0.454	0.492	0.744	0.481	25.3
Chlorobenzene	0.893	1.022	1.088	1.100			0.988	12
Ethyl Benzene	1.586	1.719	1.782	1.711			1.660	6.8
m/p-Xylene	1.200	1.374	1.416	1.406			1.305	10
o-Xylene	1.217	1.441	1.497	1.479			1.355	12.1
Styrene	0.614	0.602	0.580	0.513			0.582	6.9
Bromoform	0.505	0.485	0.420	0.347			0.452	15.2
1,1,2,2-Tetrachloroethane	0.816	0.978	1.030	1.014	1.114	1.542	1.038	24.3
2-Chlorotoluene	1.318	1.412	1.430	1.353			1.353	5.3
1,3,5-Trimethylbenzene	1.346	1.451	1.451	1.346			1.374	5.6
1,2,4-Trimethylbenzene	1.317	1.576	1.574	1.516			1.440	11.3
1,3-Dichlorobenzene	0.867	0.948	0.933	0.906			0.895	5.8
1,4-Dichlorobenzene	0.907	0.969	0.963	0.906			0.921	5
1,2-Dichlorobenzene	0.875	0.944	0.917	0.895			0.893	4.7
1,2,4-Trichlorobenzene	0.546	0.575	0.545	0.524			0.539	5
Hexachloro-1,3-Butadiene	0.352	0.383	0.371	0.359			0.358	6.2
1,3-Butadiene	0.571	0.632	0.627	0.649			0.616	4.9
Naphthalene	1.128	1.228	1.123	1.055			1.119	6.2
4-Ethyltoluene	1.468	1.570	1.550	1.426			1.481	5.3
1-Bromo-4-Fluorobenzene	0.755	0.713	0.726	0.737	0.753	0.736	0.738	2.1
Hexane	1.217	1.317	1.320	1.266			1.264	4.4
Allyl Chloride	0.804	0.859	0.883	0.875			0.857	3.7
1,4-Dioxane	53.736	63.351	76.199	34.779			58.106	26.3
Methyl Methacrylate	0.379	0.399	0.377	0.345			0.376	5.2

* 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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENVI27
 Lab Code: CHEM Case No.: G3848 SAS No.: G3848 SDG No.: G3848
 Instrument ID: MSVOA_L Calibration Date/Time: 09/29/2015 11:26
 Lab File ID: VL026151.D Init. Calib. Date(s): 09/04/2015 09/04/2015
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:55 14:51
 GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.435	1.863		29.83	30
Chloromethane	0.679	0.647		-4.71	30
Vinyl Chloride	0.725	0.662		-8.69	30
Bromomethane	0.456	0.469		2.85	30
Chloroethane	0.282	0.292		3.55	30
Tetrahydrofuran	0.376	0.322		-14.36	30
Trichlorofluoromethane	1.647	1.738		5.53	30
1,1,2-Trichlorotrifluoroethane	1.136	1.176		3.52	30
Dichlorotetrafluoroethane	1.557	1.543		-0.9	30
Bromoethene	0.484	0.519		7.23	30
tert-Butyl alcohol	0.807	0.874		8.3	30
Heptane	2.021	1.905		-5.74	30
1,1-Dichloroethene	0.531	0.562		5.84	30
Acetone	1.242	1.099		-11.51	30
Carbon Disulfide	1.354	1.541		13.81	30
Methyl tert-Butyl Ether	1.924	2.050		6.55	30
Methylene Chloride	0.528	0.515		-2.46	30
trans-1,2-Dichloroethene	0.714	0.725		1.54	30
1,1-Dichloroethane	1.587	1.520		-4.22	30
Cyclohexane	1.208	1.232		1.99	30
2-Butanone	0.642	0.530		-17.44	30
Carbon Tetrachloride	0.671	0.629		-6.26	30
cis-1,2-Dichloroethene	1.156	1.133		-1.99	30
Chloroform	1.755	1.741		-0.8	30
1,1,1-Trichloroethane	1.756	1.814		3.3	30
2,2,4-Trimethylpentane	1.791	1.481		-17.31	30
Benzene	1.057	0.932		-11.83	30
1,2-Dichloroethane	0.528	0.478		-9.47	30
Trichloroethene	0.462	0.369		-20.13	30
1,2-Dichloropropane	0.397	0.343		-13.6	30
Bromodichloromethane	0.696	0.673		-3.31	30
4-Methyl-2-Pentanone	0.860	0.771		-10.35	30
Toluene	1.335	1.220		-8.61	30
t-1,3-Dichloropropene	0.492	0.538		9.35	30
cis-1,3-Dichloropropene	0.609	0.623		2.3	30
1,1,2-Trichloroethane	0.450	0.409		-9.11	30
Dibromochloromethane	0.610	0.631		3.44	30
1,2-Dibromoethane	0.671	0.623		-7.15	30
Tetrachloroethene	0.481	0.398		-17.26	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.: G3848 SAS No.: G3848 SDG No.: G3848
 Instrument ID: MSVOA_L Calibration Date/Time: 09/29/2015 11:26
 Lab File ID: VL026151.D Init. Calib. Date(s): 09/04/2015 09/04/2015
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:55 14:51
 GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	0.988	0.901		-8.81	30
Ethyl Benzene	1.660	1.559		-6.08	30
m/p-Xylene	1.305	1.197		-8.28	30
o-Xylene	1.355	1.220		-9.96	30
Styrene	0.582	0.607		4.3	30
Bromoform	0.452	0.518		14.6	30
1,1,2,2-Tetrachloroethane	1.038	0.830		-20.04	30
2-Chlorotoluene	1.353	1.302		-3.77	30
1,3,5-Trimethylbenzene	1.374	1.357		-1.24	30
1,2,4-Trimethylbenzene	1.440	1.343		-6.74	30
1,3-Dichlorobenzene	0.895	0.898		0.34	30
1,4-Dichlorobenzene	0.921	0.941		2.17	30
1,2-Dichlorobenzene	0.893	0.911		2.02	30
1,2,4-Trichlorobenzene	0.539	0.565		4.82	30
Hexachloro-1,3-Butadiene	0.358	0.374		4.47	30
1,3-Butadiene	0.616	0.592		-3.9	30
Naphthalene	1.119	1.174		4.91	30
4-Ethyltoluene	1.481	1.474		-0.47	30
1-Bromo-4-Fluorobenzene	0.738	0.807		9.35	30
Hexane	1.264	1.201		-4.98	30
Allyl Chloride	0.857	0.871		1.63	30
1,4-Dioxane	58.106	71.342		22.78	30
Methyl Methacrylate	0.376	0.359		-4.52	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

CHEMTECH Project No.:

53240

G3848

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 89

CHEMTECH Project No. :

G1384b

Client Contact Information		Bottle Order ID : B1509083		Courier :		____ of ____ COCs	
Client ID : ENV127		Project ID : Frost Street Sites / SPGL 100.03		Sampler Name(s) :		Analysis	
Customer Name : Envirotrac Environmental Services		Project Manager : JAMES WILKINSON		Phone Number : 631-924-3001		Matrix	
Address : 5 Old Dock Road		Fax Number : 6319245001		Site Details:		AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified	
City : Yaphank		Analysis Turnaround Time		Data Package Type :			
State : NY		Standard : 15 business days		OR			
Zip Code : 11980		Rush (Specify):		Days			
Country :		Interior Temp. (F)		Interior Temp. (F)			
Sample Identification		Time Start (24 hr Clock)		Time Stop (24 hr Clock)			
Can Vacuum in Field ("Hg) (Start)		Can Vacuum in Field ("Hg) (Stop)**		Out going Can Pressure ("Hg)(Lab)		In coming Can Pressure ("Hg)(Lab)	
INFLUENT 9/15/15 1300				-30		-71	
Temperature (Fahrenheit)		Maximum		Minimum			
Start							
Stop							
Pressure (Inches of Hg)		Maximum		Minimum			
Start							
Stop							
Special Instructions/QC Requirements & Comments :		GC/MS Analyst Signature (TO-15)		Submittal of this COC indicates approval of the analysis based on existing conditions		Please follow the instructions on the back of this CO	
Suspected Contamination:		High		Medium		Low	
Sampling site (State) :		PID Readings:					
Quick Connector required : YES		Date/Time: 9/22/15		Canisters Received by:		Date/Time: 9/22/15	
Canisters Shipped by:		Date/Time: 9/25/15		Received by:		Date/Time: 9/25/15	
Samples Relinquished by:		Date/Time: 9/25/15		Received by:		Date/Time: 9/25/15	
B1509083 - 2							



284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Louisiana	5035
Maryland	296
Massachusetts	M-NJ503
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other :

DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

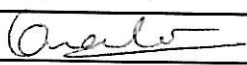
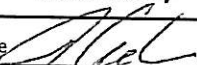
QA Control Code: A2070148

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>	
ORIGINAL		Title: <u>Sample Custodian</u>	
Field Sample Seal No.: <u>G3848</u>		Date Broken <u>9/28/2015</u>	
Case No.: <u>Frost Street Sites / SPGL 1</u>		Military Time Seal Broken: <u>10:00:00</u>	
Analytical Parameter/Fraction: <u>TO-15</u>			

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
G3848-01	EFFLUENT		
G3848-02	INFLUENT		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
9/28/15	12:20	Signature 	Signature 	AIR LAB
		Printed Name <u>Steven Mena</u>	Printed Name <u>J. Hall</u>	
		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