



Fire &  
Security

Tyco Safety Products  
One Town Center Road  
Boca Raton, FL 33486

Tele: 561 988 7200  
Fax: 561 988 4473

November 14, 2006

Ms. Nicole Elliott  
Erie County Department of Environment & Planning  
Division of Sewerage Management  
95 Franklin Street  
Buffalo, New York 14202

RE: 4th Quarter 2006 Discharge Monitoring Report  
Scott Technologies, Inc., Groundwater Remediation Site  
NYSDEC Site 9-15-149  
EC/BPDES Permit No. 05-01-E4045

Dear Ms Elliott:

Scott Technologies, Inc., is pleased to provide you with the enclosed 4th Quarter 2006 Discharge Monitoring Report for the Scott Technologies, Inc., Groundwater Remediation Site located at AVOX Systems, Inc., 25 Walter Winter Drive, Lancaster, New York. This report is submitted in partial fulfillment of Erie County/Buffalo Pollution Discharge Elimination System (EC/BPDES) Permit No. 05-01-E4045, effective February 1, 2005. Scott Technologies, Inc. commissioned Earth Tech, Inc. (Amherst, New York) to perform the EC/BPDES required quarterly sampling during the month of October 2006.

We certify under the penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for known violations. We will continue to monitor the influent and effluent on a quarterly basis. The next scheduled quarterly discharge monitoring report is due by February 28, 2007.

Ms. Nicole Elliott  
November 14, 2006  
Page 2

If you have any questions regarding this submission, please do not hesitate to contact me.

Very truly yours,

Scott Technologies, Inc.



Mark Slaughter  
VP Human Resources  
Tyco Safety Products

\enclosures

cc: Mr. Jim Kruszka, Buffalo Sewer Authority  
Ms. Linda Ross, NYSDEC Region 9 (e-copy will be sent via email by Earth Tech)  
Mr. Matt Forcucci, NYSDOH Western Region  
Mr. William Saskowski, AVOX Systems, Inc.  
Ms. Kacey Fung, Tyco Safety Products (w/out enclosures)  
Mr. Dino Zack, Earth Tech, Amherst, NY (w/out enclosures)  
Mr. Timothy Renn, Earth Tech, Greenville, SC (w/out enclosures)  
Facility File, Lancaster, NY (c/o Earth Tech, Amherst, NY)

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November 14, 2006

Mr. Mark Slaughter  
Deputy General Counsel  
Tyco Safety Products  
One Town Center Road  
Boca Raton, FL 33486

RE: 4th Quarter 2006 Discharge Monitoring Report  
Scott Technologies, Inc., Groundwater Remediation Site  
NYSDEC Site 9-15-149  
EC/BPDES Permit No. 05-01-E4045

Dear Mr. Slaughter:

Earth Tech, Inc. is pleased to provide you the enclosed 4th Quarter 2006 Discharge Monitoring Report for the Scott Technologies, Inc., Groundwater Remediation Site located at AVOX Systems Inc., 25 Walter Winter Drive, Lancaster, New York. This report is submitted in partial fulfillment of Erie County/Buffalo Pollution Discharge Elimination System (EC/BPDES) Permit No. 05-01-E4045, effective February 1, 2005.

Earth Tech performed the EC/BPDES required quarterly sampling during the month of October 2006 by collecting aqueous phase, influent and effluent samples for analysis by Severn Trent Laboratories (STL), located in Amherst, New York (NYSDOH ELAP Certification #10026). Samples were collected on October 19, 2006, between 0900 hours and 1710 hours. The aqueous samples were collected for analysis for volatile organic compounds (four individual grab samples composited by STL), total extractable hydrocarbons, and total suspended solids (latter two collected as a composite sample over four equally spaced intervals of the workday).

The total daily flow for the system at the site was calculated using totalizer readings recorded at the end of this sampling event (October 19, 2006 at 1710 hours) and at the end of the previous sampling event (July 10, 2006 at 1700 hours).

Provided herein for your information and as required by the EC/BPDES permit are: analytical data sheets; sample chain-of-custody-logs; a daily field log; and, remediation system location and process flow figures. Also included is a table converting the composite sample data from a laboratory reported sample concentration value to a flow-proportioned daily loading value to facilitate comparison to permit requirements.

Sampling procedures and chemical analyses were performed in accordance with the Buffalo Sewer Authority Sampling and Analytical Guidelines, revised August 19, 2004. Based on our review of the analytical data, all parameters were within compliance of the permit requirements for this facility. The next scheduled quarterly discharge monitoring report is due to the regulatory authorities by February 28, 2007.

If you have any questions regarding this submission, please do not hesitate to contact me at (864) 234-3053.

Very truly yours,

**Earth Tech, Inc.**



Timothy S. Renn, P.E.  
Project Manager

Enclosures

cc: Project File 71149  
Mr. Timothy Renn, Earth Tech (w/data attachment)  
Mr. Dino Zack, Earth Tech (w/data attachment)  
Ms. Kacey Fung, Tyco Fire & Security (w/out enclosures)

## TABLE

# Scott Technologies, Inc. - Groundwater Remediation Site

EC/BPDES Permit No. 05-01-E4045

## 4th Quarter 2006 Discharge Monitoring Report

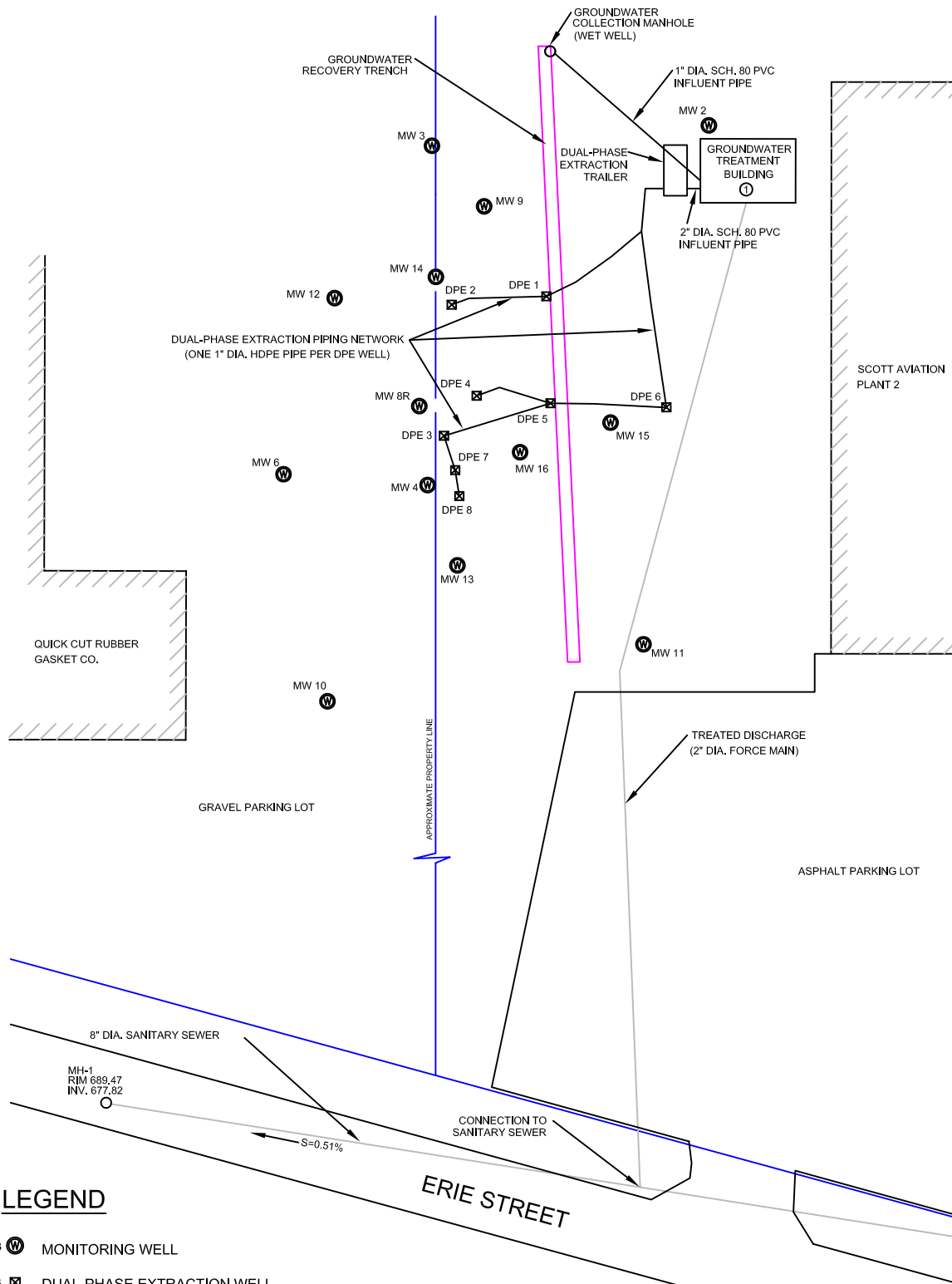
Sample Date - October 19, 2006

| Parameter                                           | Units   | Discharge<br>Limitations Daily<br>Max | Calculated Daily<br>Value | Within<br>Limits? |
|-----------------------------------------------------|---------|---------------------------------------|---------------------------|-------------------|
| pH (method 160.1)                                   | SU      | 5 - 12                                | 8.27                      | Y                 |
| total extractable hydrocarbons<br>(method 1664 SGT) | mg/L    | 100                                   | < 5.0                     | Y                 |
| total suspended solids (method 160.2)               | mg/L    | 250                                   | < 4.0                     | Y                 |
| <u>VOCs (ASP00 method 8260)</u>                     |         |                                       |                           |                   |
| methylene chloride                                  | lbs/day | 0.12                                  | 0.00003                   | Y                 |
| 1,1,1-trichloroethane                               | lbs/day | 0.09                                  | < 0.00014                 | Y                 |
| trichloroethylene                                   | lbs/day | 0.04                                  | 0.00004                   | Y                 |
| 1,2-dichloroethylene                                | lbs/day | 0.02                                  | < 0.00014                 | Y                 |
| 1,1-dichloroethane                                  | lbs/day | 0.0025                                | < 0.00014                 | Y                 |
| chloroethane                                        | lbs/day | 0.025                                 | < 0.00014                 | Y                 |
| toluene                                             | lbs/day | 0.004                                 | < 0.00014                 | Y                 |
| total daily flow (discharge meter reading)          | gallons | 14,000                                | 3,384                     | Y                 |

### Notes:

SU standard units  
mg/L milligrams per liter  
ug/L micrograms per liter  
lbs/day pounds per day  
< (value) Indicates calculated concentration less than the reported value,  
using effluent reporting limit as maximum possible concentration

## FIGURES

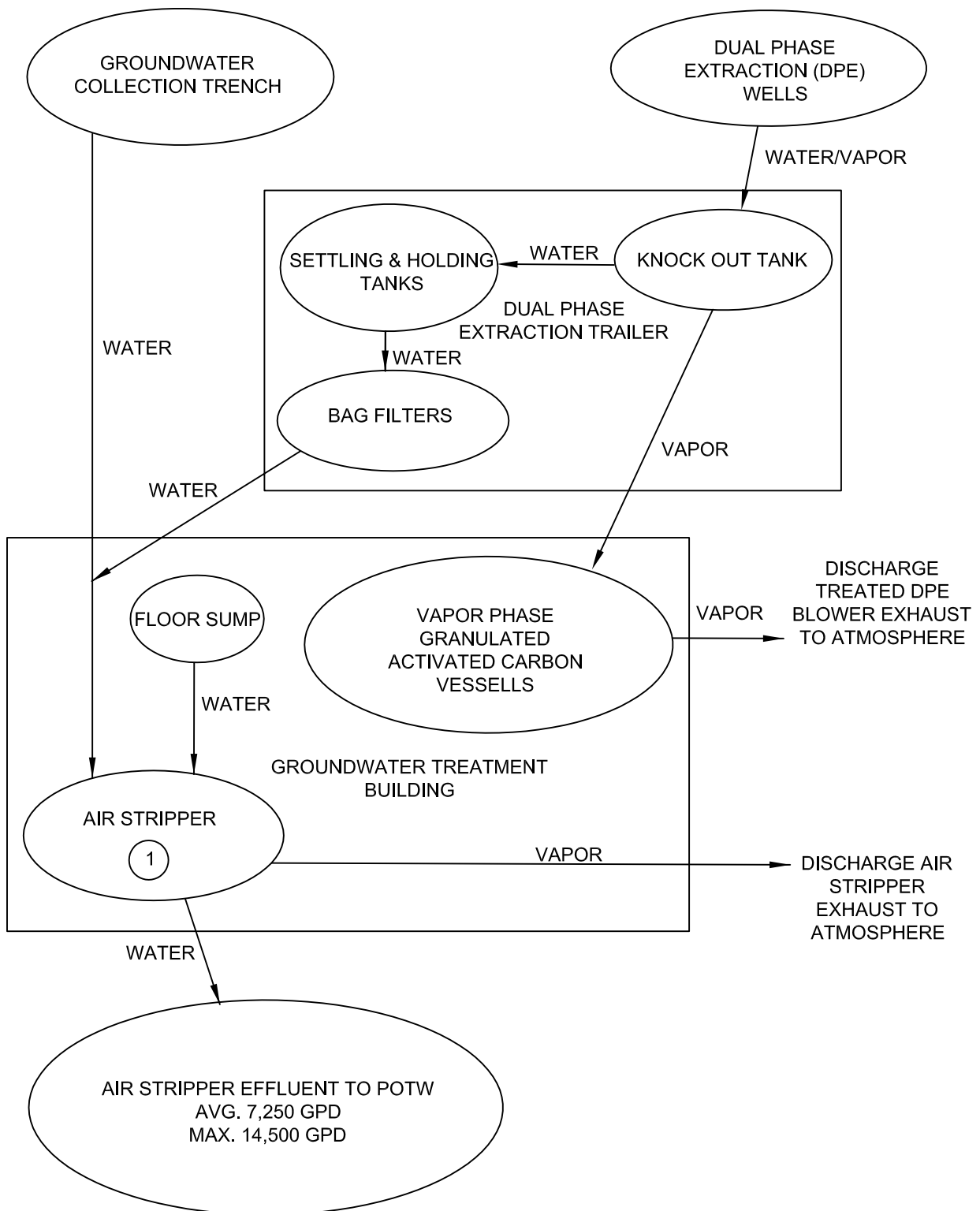


## LEGEND

- MW 13 MONITORING WELL
- DPE 8 DUAL-PHASE EXTRACTION WELL
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER RECOVERY TRENCH
- SANITARY SEWER

0 300 600  
SCALE IN FEET





## DAILY FIELD LOG

### DAILY FIELD LOG

**Project** Scott Aviation, Inc. (Plant 2)  
**Date** 19-Oct-06  
**Weather** Overcast  
**Temperature Range** 60° F  
**Earth Tech Personnel on Site** T. Raby, D. Bennett  
**Time on Site** 08:00hrs - 17:10hrs

**Air Stripper Totalizer Before Sampling** 13,081,250 gallons  
**Air Stripper Totalizer After Sampling** 13,083,210 gallons

#### Summary of Sample Activities

Time = 09:00hrs DPE transfer pump running during sample collection.

pH = 7.5

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 2, 1-L clear glass bottles (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from influent tap. Water quality is clear with no discernable odor or sheen.

Fill 2, 40-ml vials (preserved with HCl) from effluent sample tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Fill 2, 1-L clear glass bottles (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from effluent tap. Water quality is clear with no discernable odor or sheen.

Time = 10:50hrs DPE transfer pump running during sample collection.

pH = 7.5

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 2, 1-L clear glass bottles (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from influent tap. Water quality is clear with no discernable odor or sheen.

Fill 2, 40-ml vials (preserved with HCl) from effluent sample tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Fill 2, 1-L clear glass bottles (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from effluent tap. Water quality is clear with no discernable odor or sheen.

Time = 13:45hrs DPE transfer pump running during sample collection.

pH = 7.5

Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 2, 1-L clear glass bottles (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from influent tap. Water quality is clear with no discernable odor or sheen.

Fill 2, 40-ml vials (preserved with HCl) from effluent sample tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Fill 2, 1-L clear glass bottles (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from effluent tap. Water quality is clear with no discernable odor or sheen.

Time = 17:10hrs DPE transfer pump running during sample collection.

pH = 7.5

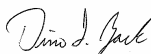
Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 2, 1-L clear glass bottles (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from influent tap. Water quality is clear with no discernable odor or sheen.

Fill 2, 40-ml vials (preserved with HCl) from effluent sample tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Fill 2, 1-L clear glass bottles (preserved with H<sub>2</sub>SO<sub>4</sub>) 1/4 full, respectively, from effluent tap. Water quality is clear with no discernable odor or sheen.

Note, air samples collected from AS effluent and DPE GAC influent/effluent manually on October 19, 2006 while systems are running.

Maintain samples at 4 degrees C, secure. Hand deliver samples to Severn Trent Laboratories (Amherst, NY) on October 20, 2006 for analysis. Request laboratory to composite 40-ml samples and analyze for VOCs (8260; TCL and STARS). Request laboratory to analyze influent and effluent samples for TEH (1664), TSS (160.2), and pH.

Signature:



Date: 20-Oct-06

## **LABORATORY REPORT**

ANALYTICAL REPORT

Job#: A06-C334

STL Project#: NY3A9023

Site Name: Earth Tech - Scott Aviation site

Task: Earth Tech, Inc. - Scott Aviation site

Mr. Dino Zack  
Earth Tech, Inc.  
100 Corporate Pkwy, Ste 341  
Amherst, NY 14226

STL Buffalo



Brian J. Fischer  
Project Manager

11/06/2006

## STL Buffalo Current Certifications

As of 9/28/2006

| STATE          | Program                          | Cert # / Lab ID |
|----------------|----------------------------------|-----------------|
| AFCEE          | AFCEE                            |                 |
| Arkansas       | SDWA, CWA, RCRA, SOIL            | 88-0686         |
| California     | NELAP CWA, RCRA                  | 01169CA         |
| Connecticut    | SDWA, CWA, RCRA, SOIL            | PH-0568         |
| Florida        | NELAP CWA, RCRA                  | E87672          |
| Georgia        | SDWA, NELAP CWA, RCRA            | 956             |
| Illinois       | NELAP SDWA, CWA, RCRA            | 200003          |
| Iowa           | SW/CS                            | 374             |
| Kansas         | NELAP SDWA, CWA, RCRA            | E-10187         |
| Kentucky       | SDWA                             | 90029           |
| Kentucky UST   | UST                              | 30              |
| Louisiana      | NELAP CWA, RCRA                  | 2031            |
| Maine          | SDWA, CWA                        | NY044           |
| Maryland       | SDWA                             | 294             |
| Massachusetts  | SDWA, CWA                        | M-NY044         |
| Michigan       | SDWA                             | 9937            |
| Minnesota      | SDWA, CWA, RCRA                  | 036-999-337     |
| New Hampshire  | NELAP SDWA, CWA                  | 233701          |
| New Jersey     | SDWA, CWA, RCRA, CLP             | NY455           |
| New York       | NELAP, AIR, SDWA, CWA, RCRA, ASP | 10026           |
| Oklahoma       | CWA, RCRA                        | 9421            |
| Pennsylvania   | NELAP CWA, RCRA                  | 68-00281        |
| South Carolina | RCRA                             | 91013           |
| Tennessee      | SDWA                             | 02970           |
| USDA           | FOREIGN SOIL PERMIT              | S-41579         |
| USDOE          | Department of Energy             | DOECAP-STB      |
| Virginia       | SDWA                             | 278             |
| Washington     | CWA, RCRA                        | C1677           |
| West Virginia  | CWA, RCRA                        | 252             |
| Wisconsin      | CWA, RCRA                        | 998310390       |

## Sample Data Summary Package

## SAMPLE SUMMARY

| <u>LAB SAMPLE ID</u> | <u>CLIENT SAMPLE ID</u> | <u>MATRIX</u> | <u>SAMPLED</u>          | <u>RECEIVED</u>         |
|----------------------|-------------------------|---------------|-------------------------|-------------------------|
|                      |                         |               | <u>DATE</u> <u>TIME</u> | <u>DATE</u> <u>TIME</u> |
| A6C33401             | EFFLUENT                | WATER         | 10/19/2006              | 10/20/2006 08:20        |
| A6C33402             | INFLUENT                | WATER         | 10/19/2006              | 10/20/2006 08:20        |
| A6C33403             | TRIP BLANK              | WATER         | 10/19/2006              | 10/20/2006 08:20        |



## METHODS SUMMARY

Job#: A06-C334STL Project#: NY3A9023Site Name: Earth Tech - Scott Aviation site

| PARAMETER                           | ANALYTICAL<br>METHOD |
|-------------------------------------|----------------------|
| METHOD 8260 - TCL VOLATILE ORGANICS | SW8463 8260          |
| pH                                  | MCAWW 150.1          |
| SGT Total Petroleum Hydrocarbons    | MCAWW 1664 SGT       |
| Total Suspended Solids              | MCAWW 160.2          |

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)
- SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

## NON-CONFORMANCE SUMMARY

Job#: A06-C334STL Project#: NY3A9023Site Name: Earth Tech - Scott Aviation siteGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-C334

Sample Cooler(s) were received at the following temperature(s); 2.0 °C  
Lab to composite volatile samples by date/time.

GC/MS Volatile Data

The analyte Methylene Chloride was detected in Method Blank VBLK98 (A6B2928102) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

Initial calibration standard curve A6I0002095-1 exhibited a percent Relative Standard Deviation (%RSD) of greater than 15% for several compound. However, the overall mean RSD of all compounds is 8.95%.

All samples were preserved to a pH less than 2.

Volatile samples EFFLUENT and INFLUENT were composited in the laboratory, prior to analysis.

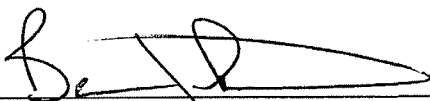
Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

\*\*\*\*\*

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this 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 hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Brian J. Fischer  
Project Manager

11-7-64

Date

Date: 11/06/2006  
Time: 13:13:12

Dilution Log w/Code Information  
For Job A06-C334

8/141  
Page: 1  
Rept: AN1266R

| <u>Client Sample ID</u> | <u>Lab Sample ID</u> | <u>Parameter (Inorganic)/Method (Organic)</u> | <u>Dilution</u> | <u>Code</u> |
|-------------------------|----------------------|-----------------------------------------------|-----------------|-------------|
| INFLUENT                | A6C33402             | 8260                                          | 2.00            | 008         |

---

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other



## DATA QUALIFIER PAGE

*These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.*

### ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- \* Indicates analysis is not within the quality control limits.

### INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- \* Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

EFFLUENT

Lab Name: STL Buffalo Contract: \_\_\_\_\_Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_Matrix: (soil/water) WATERLab Sample ID: A6C33401Sample wt/vol: 5.00 (g/mL) MLLab File ID: G6659.RRLevel: (low/med) LOWDate Samp/Recv: 10/19/2006 10/20/2006% Moisture: not dec. \_\_\_\_\_ Heated Purge: NDate Analyzed: 11/01/2006GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

|                |                             |     |    |
|----------------|-----------------------------|-----|----|
| 67-64-1-----   | Acetone                     | 5.7 | J  |
| 71-43-2-----   | Benzene                     | 5.0 | U  |
| 75-27-4-----   | Bromodichloromethane        | 5.0 | U  |
| 75-25-2-----   | Bromoform                   | 5.0 | U  |
| 74-83-9-----   | Bromomethane                | 5.0 | U  |
| 78-93-3-----   | 2-Butanone                  | 25  | U  |
| 75-15-0-----   | Carbon Disulfide            | 5.0 | U  |
| 56-23-5-----   | Carbon Tetrachloride        | 5.0 | U  |
| 108-90-7-----  | Chlorobenzene               | 5.0 | U  |
| 75-00-3-----   | Chloroethane                | 5.0 | U  |
| 67-66-3-----   | Chloroform                  | 5.0 | U  |
| 74-87-3-----   | Chloromethane               | 5.0 | U  |
| 110-82-7-----  | Cyclohexane                 | 5.0 | U  |
| 106-93-4-----  | 1,2-Dibromoethane           | 5.0 | U  |
| 124-48-1-----  | Dibromochloromethane        | 5.0 | U  |
| 96-12-8-----   | 1,2-Dibromo-3-chloropropane | 5.0 | U  |
| 95-50-1-----   | 1,2-Dichlorobenzene         | 5.0 | U  |
| 541-73-1-----  | 1,3-Dichlorobenzene         | 5.0 | U  |
| 106-46-7-----  | 1,4-Dichlorobenzene         | 5.0 | U  |
| 75-71-8-----   | Dichlorodifluoromethane     | 5.0 | U  |
| 75-34-3-----   | 1,1-Dichloroethane          | 5.0 | U  |
| 107-06-2-----  | 1,2-Dichloroethane          | 5.0 | U  |
| 75-35-4-----   | 1,1-Dichloroethene          | 5.0 | U  |
| 156-59-2-----  | cis-1,2-Dichloroethene      | 2.8 | J  |
| 156-60-5-----  | trans-1,2-Dichloroethene    | 5.0 | U  |
| 78-87-5-----   | 1,2-Dichloropropane         | 5.0 | U  |
| 10061-01-5---- | cis-1,3-Dichloropropene     | 5.0 | U  |
| 10061-02-6---- | trans-1,3-Dichloropropene   | 5.0 | U  |
| 100-41-4-----  | Ethylbenzene                | 5.0 | U  |
| 591-78-6-----  | 2-Hexanone                  | 25  | U  |
| 98-82-8-----   | Isopropylbenzene            | 5.0 | U  |
| 79-20-9-----   | Methyl acetate              | 5.0 | U  |
| 108-87-2-----  | Methylcyclohexane           | 5.0 | U  |
| 75-09-2-----   | Methylene chloride          | 1.1 | BJ |

11/141

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

EFFLUENT

Lab Name: STL Buffalo Contract: \_\_\_\_\_Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_Matrix: (soil/water) WATER Lab Sample ID: A6C33401Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G6659.RRLevel: (low/med) LOW Date Samp/Recv: 10/19/2006 10/20/2006% Moisture: not dec. \_\_\_\_\_ Heated Purge: N Date Analyzed: 11/01/2006GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

| CAS NO.        | COMPOUND                              | (ug/L or ug/Kg) | UG/L | Q |
|----------------|---------------------------------------|-----------------|------|---|
| 108-10-1-----  | 4-Methyl-2-pentanone                  |                 | 25   | U |
| 1634-04-4----- | Methyl-t-Butyl Ether (MIBE)           |                 | 5.0  | U |
| 100-42-5-----  | Styrene                               |                 | 5.0  | U |
| 79-34-5-----   | 1,1,2,2-Tetrachloroethane             |                 | 5.0  | U |
| 127-18-4-----  | Tetrachloroethene                     |                 | 5.0  | U |
| 108-88-3-----  | Toluene                               |                 | 5.0  | U |
| 120-82-1-----  | 1,2,4-Trichlorobenzene                |                 | 5.0  | U |
| 71-55-6-----   | 1,1,1-Trichloroethane                 |                 | 5.0  | U |
| 79-00-5-----   | 1,1,2-Trichloroethane                 |                 | 5.0  | U |
| 76-13-1-----   | 1,1,2-Trichloro-1,2,2-trifluoroethane |                 | 5.0  | U |
| 75-69-4-----   | Trichlorofluoromethane                |                 | 5.0  | U |
| 79-01-6-----   | Trichloroethene                       |                 | 1.4  | J |
| 75-01-4-----   | Vinyl chloride                        |                 | 5.0  | U |
| 1330-20-7----- | Total Xylenes                         |                 | 15   | U |

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

|          |
|----------|
| INFLUENT |
|----------|

Lab Name: STL Buffalo Contract: \_\_\_\_\_Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_Matrix: (soil/water) WATERLab Sample ID: A6C33402Sample wt/vol: 5.00 (g/mL) MLLab File ID: G6660.RRLevel: (low/med) LOWDate Samp/Recv: 10/19/2006 10/20/2006% Moisture: not dec. \_\_\_\_\_ Heated Purge: NDate Analyzed: 11/01/2006GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 2.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

|                |                             |     |    |
|----------------|-----------------------------|-----|----|
| 67-64-1-----   | Acetone                     | 5.7 | J  |
| 71-43-2-----   | Benzene                     | 10  | U  |
| 75-27-4-----   | Bromodichloromethane        | 10  | U  |
| 75-25-2-----   | Bromoform                   | 10  | U  |
| 74-83-9-----   | Bromomethane                | 10  | U  |
| 78-93-3-----   | 2-Butanone                  | 50  | U  |
| 75-15-0-----   | Carbon Disulfide            | 10  | U  |
| 56-23-5-----   | Carbon Tetrachloride        | 10  | U  |
| 108-90-7-----  | Chlorobenzene               | 10  | U  |
| 75-00-3-----   | Chloroethane                | 34  |    |
| 67-66-3-----   | Chloroform                  | 10  | U  |
| 74-87-3-----   | Chloromethane               | 10  | U  |
| 110-82-7-----  | Cyclohexane                 | 10  | U  |
| 106-93-4-----  | 1,2-Dibromoethane           | 10  | U  |
| 124-48-1-----  | Dibromochloromethane        | 10  | U  |
| 96-12-8-----   | 1,2-Dibromo-3-chloropropane | 10  | U  |
| 95-50-1-----   | 1,2-Dichlorobenzene         | 10  | U  |
| 541-73-1-----  | 1,3-Dichlorobenzene         | 10  | U  |
| 106-46-7-----  | 1,4-Dichlorobenzene         | 10  | U  |
| 75-71-8-----   | Dichlorodifluoromethane     | 10  | U  |
| 75-34-3-----   | 1,1-Dichloroethane          | 13  |    |
| 107-06-2-----  | 1,2-Dichloroethane          | 10  | U  |
| 75-35-4-----   | 1,1-Dichloroethene          | 10  | U  |
| 156-59-2-----  | cis-1,2-Dichloroethene      | 140 |    |
| 156-60-5-----  | trans-1,2-Dichloroethene    | 10  | U  |
| 78-87-5-----   | 1,2-Dichloropropane         | 10  | U  |
| 10061-01-5---- | cis-1,3-Dichloropropene     | 10  | U  |
| 10061-02-6---- | trans-1,3-Dichloropropene   | 10  | U  |
| 100-41-4-----  | Ethylbenzene                | 10  | U  |
| 591-78-6-----  | 2-Hexanone                  | 50  | U  |
| 98-82-8-----   | Isopropylbenzene            | 10  | U  |
| 79-20-9-----   | Methyl acetate              | 10  | U  |
| 108-87-2-----  | Methylcyclohexane           | 10  | U  |
| 75-09-2-----   | Methylene chloride          | 2.6 | BJ |



EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

INFLUENT

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_Matrix: (soil/water) WATERLab Sample ID: A6C33402Sample wt/vol: 5.00 (g/mL) MLLab File ID: G6660.RRLevel: (low/med) LOWDate Samp/Recv: 10/19/2006 10/20/2006% Moisture: not dec. \_\_\_\_\_ Heated Purge: NDate Analyzed: 11/01/2006GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 2.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg)

| CAS NO.        | COMPOUND                              | UG/L | Q |
|----------------|---------------------------------------|------|---|
| 108-10-1-----  | 4-Methyl-2-pentanone                  | 50   | U |
| 1634-04-4----- | Methyl-t-Butyl Ether (MTBE)           | 10   | U |
| 100-42-5-----  | Styrene                               | 10   | U |
| 79-34-5-----   | 1,1,2,2-Tetrachloroethane             | 10   | U |
| 127-18-4-----  | Tetrachloroethene                     | 10   | U |
| 108-88-3-----  | Toluene                               | 4.6  | J |
| 120-82-1-----  | 1,2,4-Trichlorobenzene                | 10   | U |
| 71-55-6-----   | 1,1,1-Trichloroethane                 | 1.2  | J |
| 79-00-5-----   | 1,1,2-Trichloroethane                 | 10   | U |
| 76-13-1-----   | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10   | U |
| 75-69-4-----   | Trichlorofluoromethane                | 10   | U |
| 79-01-6-----   | Trichloroethene                       | 76   |   |
| 75-01-4-----   | Vinyl chloride                        | 9.1  | J |
| 1330-20-7----- | Total Xylenes                         | 30   | U |

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

|            |
|------------|
| TRIP BLANK |
|------------|

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECONY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATERLab Sample ID: A6C33403Sample wt/vol: 5.00 (g/mL) MLLab File ID: G6661.RRLevel: (low/med) LOWDate Samp/Recv: 10/19/2006 10/20/2006% Moisture: not dec. \_\_\_\_\_ Heated Purge: NDate Analyzed: 11/01/2006GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

|                |                             |     |   |
|----------------|-----------------------------|-----|---|
| 67-64-1-----   | Acetone                     | 25  | U |
| 71-43-2-----   | Benzene                     | 5.0 | U |
| 75-27-4-----   | Bromodichloromethane        | 5.0 | U |
| 75-25-2-----   | Bromoform                   | 5.0 | U |
| 74-83-9-----   | Bromomethane                | 5.0 | U |
| 78-93-3-----   | 2-Butanone                  | 25  | U |
| 75-15-0-----   | Carbon Disulfide            | 5.0 | U |
| 56-23-5-----   | Carbon Tetrachloride        | 5.0 | U |
| 108-90-7-----  | Chlorobenzene               | 5.0 | U |
| 75-00-3-----   | Chloroethane                | 5.0 | U |
| 67-66-3-----   | Chloroform                  | 5.0 | U |
| 74-87-3-----   | Chloromethane               | 5.0 | U |
| 110-82-7-----  | Cyclohexane                 | 5.0 | U |
| 106-93-4-----  | 1,2-Dibromoethane           | 5.0 | U |
| 124-48-1-----  | Dibromochloromethane        | 5.0 | U |
| 96-12-8-----   | 1,2-Dibromo-3-chloropropane | 5.0 | U |
| 95-50-1-----   | 1,2-Dichlorobenzene         | 5.0 | U |
| 541-73-1-----  | 1,3-Dichlorobenzene         | 5.0 | U |
| 106-46-7-----  | 1,4-Dichlorobenzene         | 5.0 | U |
| 75-71-8-----   | Dichlorodifluoromethane     | 5.0 | U |
| 75-34-3-----   | 1,1-Dichloroethane          | 5.0 | U |
| 107-06-2-----  | 1,2-Dichloroethane          | 5.0 | U |
| 75-35-4-----   | 1,1-Dichloroethene          | 5.0 | U |
| 156-59-2-----  | cis-1,2-Dichloroethene      | 5.0 | U |
| 156-60-5-----  | trans-1,2-Dichloroethene    | 5.0 | U |
| 78-87-5-----   | 1,2-Dichloropropane         | 5.0 | U |
| 10061-01-5---- | cis-1,3-Dichloropropene     | 5.0 | U |
| 10061-02-6---- | trans-1,3-Dichloropropene   | 5.0 | U |
| 100-41-4-----  | Ethylbenzene                | 5.0 | U |
| 591-78-6-----  | 2-Hexanone                  | 25  | U |
| 98-82-8-----   | Isopropylbenzene            | 5.0 | U |
| 79-20-9-----   | Methyl acetate              | 5.0 | U |
| 108-87-2-----  | Methylcyclohexane           | 5.0 | U |
| 75-09-2-----   | Methylene chloride          | 5.0 | U |

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

|            |
|------------|
| TRIP BLANK |
|------------|

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_Matrix: (soil/water) WATERLab Sample ID: A6C33403Sample wt/vol: 5.00 (g/mL) MLLab File ID: G6661.RRLevel: (low/med) LOWDate Samp/Recv: 10/19/2006 10/20/2006% Moisture: not dec. \_\_\_\_\_ Heated Purge: NDate Analyzed: 11/01/2006GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

| CAS NO.        | COMPOUND                              | (ug/L or ug/Kg) | UG/L | Q |
|----------------|---------------------------------------|-----------------|------|---|
| 108-10-1-----  | 4-Methyl-2-pentanone                  |                 | 25   | U |
| 1634-04-4----- | Methyl-t-Butyl Ether (MTBE)           |                 | 5.0  | U |
| 100-42-5-----  | Styrene                               |                 | 5.0  | U |
| 79-34-5-----   | 1,1,2,2-Tetrachloroethane             |                 | 5.0  | U |
| 127-18-4-----  | Tetrachloroethene                     |                 | 5.0  | U |
| 108-88-3-----  | Toluene                               |                 | 5.0  | U |
| 120-82-1-----  | 1,2,4-Trichlorobenzene                |                 | 5.0  | U |
| 71-55-6-----   | 1,1,1-Trichloroethane                 |                 | 5.0  | U |
| 79-00-5-----   | 1,1,2-Trichloroethane                 |                 | 5.0  | U |
| 76-13-1-----   | 1,1,2-Trichloro-1,2,2-trifluoroethane |                 | 5.0  | U |
| 75-69-4-----   | Trichlorofluoromethane                |                 | 5.0  | U |
| 79-01-6-----   | Trichloroethene                       |                 | 5.0  | U |
| 75-01-4-----   | Vinyl chloride                        |                 | 5.0  | U |
| 1330-20-7----- | Total Xylenes                         |                 | 15   | U |

Earth Tech, Inc.  
 Earth Tech, Inc. - Scott Aviation site  
 Wet Chemistry Analysis

Client Sample No.

EFFLUENT

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: \_\_\_\_\_

Matrix (soil/water): WATERLab Sample ID: A6C33401% Solids: 0.0Date Samp/Recv: 10/19/2006 10/20/2006

| Parameter Name                   | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|----------------------------------|------------------|--------|---|---|---|---------------|---------------|
| pH                               | S.U.             | 8.27   |   |   |   | 150.1         | 10/20/2006    |
| SGT Total Petroleum Hydrocarbons | MG/L             | 5.0    | U |   |   | 1664 SGT      | 10/21/2006    |
| Total Suspended Solids           | MG/L             | 4.0    | U |   |   | 160.2         | 10/23/2006    |

Comments:

17/141

Earth Tech, Inc.  
Earth Tech, Inc. - Scott Aviation site  
Wet Chemistry Analysis

Client Sample No.

INFLUENT

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: \_\_\_\_\_

Matrix (soil/water): WATERLab Sample ID: A6C33402% Solids: 0.0Date Samp/Recv: 10/19/2006 10/20/2006

| Parameter Name                   | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|----------------------------------|------------------|--------|---|---|---|---------------|---------------|
| pH                               | S.U.             | 7.93   |   |   |   | 150.1         | 10/20/2006    |
| SGT Total Petroleum Hydrocarbons | MG/L             | 5.0    | U |   |   | 1664 SGT      | 10/21/2006    |
| Total Suspended Solids           | MG/L             | 4.0    | U |   |   | 160.2         | 10/23/2006    |

Comments:

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECN

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: \_\_\_\_\_

|   | Client Sample ID | Lab Sample ID | BFB<br>%REC # | DCE<br>%REC # | TOL<br>%REC # |       |       |       |       |       | TOT<br>OUT |
|---|------------------|---------------|---------------|---------------|---------------|-------|-------|-------|-------|-------|------------|
|   | =====            | =====         | =====         | =====         | =====         | ===== | ===== | ===== | ===== | ===== | =====      |
| 1 | EFFLUENT         | A6C33401      | 97            | 109           | 101           |       |       |       |       |       | 0          |
| 2 | INFLUENT         | A6C33402      | 95            | 107           | 101           |       |       |       |       |       | 0          |
| 3 | MSB98            | A6B2928101    | 97            | 97            | 99            |       |       |       |       |       | 0          |
| 4 | TRIP BLANK       | A6C33403      | 94            | 108           | 100           |       |       |       |       |       | 0          |
| 5 | VBLK98           | A6B2928102    | 94            | 102           | 98            |       |       |       |       |       | 0          |

## QC LIMITS

BFB = p-Bromofluorobenzene ( 73-120)  
DCE = 1,2-Dichloroethane-D4 ( 72-143)  
TOL = Toluene-D8 ( 76-122)

- # Column to be used to flag recovery values  
\* Values outside of contract required QC limits  
D Surrogates diluted out

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Samp ID: A6B2928102Lab Code: RECNY Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: \_\_\_\_\_

Matrix Spike - Client Sample No.: VBLK98

| COMPOUND                | SPIKE<br>ADDED<br>UG/L | MSB<br>CONCENTRATION<br>UG/L | MSB<br>%<br>REC # | QC<br>LIMITS<br>REC. |
|-------------------------|------------------------|------------------------------|-------------------|----------------------|
| =====                   | =====                  | =====                        | =====             | =====                |
| 1,1-Dichloroethene_____ | 25.0                   | 26.1                         | 104               | 65 - 142             |
| Trichloroethene_____    | 25.0                   | 26.2                         | 105               | 71 - 120             |
| Benzene_____            | 25.0                   | 26.0                         | 104               | 67 - 126             |
| Toluene_____            | 25.0                   | 26.3                         | 106               | 69 - 120             |
| Chlorobenzene_____      | 25.0                   | 26.2                         | 105               | 73 - 120             |

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

Spike recovery: \_\_\_\_0 out of \_\_\_\_5 outside limits

Comments: \_\_\_\_\_  
\_\_\_\_\_

Date : 11/06/2006 13:19:57  
Job No: A06-C334

EARTH TECH, INC.  
SCOTT AVIATION SITE

Rept: AN0364

Client Sample ID: Method Blank  
Lab Sample ID: A682857203

Matrix Spike Blank  
A682857202

| Analyte                                                          | Units of Measure | Concentration  |                 | % Recovery<br>Blank Spike | QC<br>LIMITS |
|------------------------------------------------------------------|------------------|----------------|-----------------|---------------------------|--------------|
|                                                                  |                  | Blank<br>Spike | Spike<br>Amount |                           |              |
| JET CHEMISTRY ANALYSIS<br>SGT TOTAL PETROLEUM HYDROCARBONS - MET | MG/L             | 8.90           | 10.0            | 89                        | 64-132       |

\* Indicates Result is outside QC Limits  
NC = Not Calculated ND = Not Detected



Date : 11/06/2006 13:19:57  
Job No: A06-C334

EARTH TECH, INC.  
SCOTT AVIATION SITE

Rept: AN0364

Client Sample ID: Method Blank      LCS  
Lab Sample ID: A682863702      A682863701

| Analyte                                                         | Units of Measure | Blank Spike | Concentration Spike Amount | % Recovery Blank Spike | QC LIMITS |
|-----------------------------------------------------------------|------------------|-------------|----------------------------|------------------------|-----------|
| JET CHEMISTRY ANALYSIS<br>METHOD 160.2 - TOTAL SUSPENDED SOLIDS | MG/L             | 697.0       | 704.0                      | 99                     | 88-110    |

\* Indicates Result is outside QC Limits  
NC = Not Calculated    ND = Not Detected

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
METHOD BLANK SUMMARY

Client No.

VBLK98

Lab Name: STL Buffalo Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Lab File ID: G6651.RR Lab Sample ID: A6B2928102

Date Analyzed: 11/01/2006 Time Analyzed: 11:18

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973G

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

|   | CLIENT<br>SAMPLE NO.<br>===== | LAB<br>SAMPLE ID<br>===== | LAB<br>FILE ID<br>===== | TIME<br>ANALYZED<br>===== |
|---|-------------------------------|---------------------------|-------------------------|---------------------------|
| 1 | EFFLUENT                      | A6C33401                  | G6659.RR                | 14:21                     |
| 2 | INFLUENT                      | A6C33402                  | G6660.RR                | 14:44                     |
| 3 | MSB98                         | A6B2928101                | G6649.RR                | 09:31                     |
| 4 | TRIP BLANK                    | A6C33403                  | G6661.RR                | 15:07                     |

Comments: \_\_\_\_\_

\_\_\_\_\_

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

VBLK98

Lab Name: STL Buffalo Contract: \_\_\_\_\_Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_Matrix: (soil/water) WATER Lab Sample ID: A6B2928102Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G6651.RRLevel: (low/med) LOW Date Samp/Recv: \_\_\_\_\_% Moisture: not dec. \_\_\_\_\_ Heated Purge: N Date Analyzed: 11/01/2006GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

| CAS NO.        | COMPOUND                    | (ug/L or ug/Kg) | UG/L | Q |
|----------------|-----------------------------|-----------------|------|---|
| 67-64-1-----   | Acetone                     |                 | 25   | U |
| 71-43-2-----   | Benzene                     |                 | 5.0  | U |
| 75-27-4-----   | Bromodichloromethane        |                 | 5.0  | U |
| 75-25-2-----   | Bromoform                   |                 | 5.0  | U |
| 74-83-9-----   | Bromomethane                |                 | 5.0  | U |
| 78-93-3-----   | 2-Butanone                  |                 | 25   | U |
| 75-15-0-----   | Carbon Disulfide            |                 | 5.0  | U |
| 56-23-5-----   | Carbon Tetrachloride        |                 | 5.0  | U |
| 108-90-7-----  | Chlorobenzene               |                 | 5.0  | U |
| 75-00-3-----   | Chloroethane                |                 | 5.0  | U |
| 67-66-3-----   | Chloroform                  |                 | 5.0  | U |
| 74-87-3-----   | Chloromethane               |                 | 5.0  | U |
| 110-82-7-----  | Cyclohexane                 |                 | 5.0  | U |
| 106-93-4-----  | 1,2-Dibromomethane          |                 | 5.0  | U |
| 124-48-1-----  | Dibromochloromethane        |                 | 5.0  | U |
| 96-12-8-----   | 1,2-Dibromo-3-chloropropane |                 | 5.0  | U |
| 95-50-1-----   | 1,2-Dichlorobenzene         |                 | 5.0  | U |
| 541-73-1-----  | 1,3-Dichlorobenzene         |                 | 5.0  | U |
| 106-46-7-----  | 1,4-Dichlorobenzene         |                 | 5.0  | U |
| 75-71-8-----   | Dichlorodifluoromethane     |                 | 5.0  | U |
| 75-34-3-----   | 1,1-Dichloroethane          |                 | 5.0  | U |
| 107-06-2-----  | 1,2-Dichloroethane          |                 | 5.0  | U |
| 75-35-4-----   | 1,1-Dichloroethene          |                 | 5.0  | U |
| 156-59-2-----  | cis-1,2-Dichloroethene      |                 | 5.0  | U |
| 156-60-5-----  | trans-1,2-Dichloroethene    |                 | 5.0  | U |
| 78-87-5-----   | 1,2-Dichloropropane         |                 | 5.0  | U |
| 10061-01-5---- | cis-1,3-Dichloropropene     |                 | 5.0  | U |
| 10061-02-6---- | trans-1,3-Dichloropropene   |                 | 5.0  | U |
| 100-41-4-----  | Ethylbenzene                |                 | 5.0  | U |
| 591-78-6-----  | 2-Hexanone                  |                 | 25   | U |
| 98-82-8-----   | Isopropylbenzene            |                 | 5.0  | U |
| 79-20-9-----   | Methyl acetate              |                 | 5.0  | U |
| 108-87-2-----  | Methylcyclohexane           |                 | 5.0  | U |
| 75-09-2-----   | Methylene chloride          |                 | 0.64 | J |

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

VBLK98

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATERLab Sample ID: A6B2928102Sample wt/vol: 5.00 (g/mL) MLLab File ID: G6651.RRLevel: (low/med) LOW

Date Samp/Recv: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Heated Purge: NDate Analyzed: 11/01/2006GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

| CAS NO.        | COMPOUND                              | (ug/L or ug/Kg) | UG/L | Q |
|----------------|---------------------------------------|-----------------|------|---|
| 108-10-1-----  | 4-Methyl-2-pentanone                  |                 | 25   | U |
| 1634-04-4----- | Methyl-t-Butyl Ether (MTBE)           |                 | 5.0  | U |
| 100-42-5-----  | Styrene                               |                 | 5.0  | U |
| 79-34-5-----   | 1,1,2,2-Tetrachloroethane             |                 | 5.0  | U |
| 127-18-4-----  | Tetrachloroethene                     |                 | 5.0  | U |
| 108-88-3-----  | Toluene                               |                 | 5.0  | U |
| 120-82-1-----  | 1,2,4-Trichlorobenzene                |                 | 5.0  | U |
| 71-55-6-----   | 1,1,1-Trichloroethane                 |                 | 5.0  | U |
| 79-00-5-----   | 1,1,2-Trichloroethane                 |                 | 5.0  | U |
| 76-13-1-----   | 1,1,2-Trichloro-1,2,2-trifluoroethane |                 | 5.0  | U |
| 75-69-4-----   | Trichlorofluoromethane                |                 | 5.0  | U |
| 79-01-6-----   | Trichloroethene                       |                 | 5.0  | U |
| 75-01-4-----   | Vinyl chloride                        |                 | 5.0  | U |
| 1330-20-7----- | Total Xylenes                         |                 | 15   | U |

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
WET CHEMISTRY  
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_Lab Sample ID: A6B2857203 Lab File ID: \_\_\_\_\_Matrix: (soil/water) WATER Instrument ID (1): \_\_\_\_\_Date Analyzed (1): 10/21/2006 Time Analyzed (1): 12:00

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

|   | CLIENT<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED 1 | TIME<br>ANALYZED |
|---|----------------------|------------------|--------------------|------------------|
|   | =====                | =====            | =====              | =====            |
| 1 | EFFLUENT             | A6C33401         | 10/21/2006         | 12:00            |
| 2 | INFLUENT             | A6C33402         | 10/21/2006         | 12:00            |
| 3 | LCS                  | A6B2857201       | 10/21/2006         | 12:00            |
| 4 | Matrix Spike Blank   | A6B2857202       | 10/21/2006         | 12:00            |

Comments: \_\_\_\_\_

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Earth Tech, Inc.  
Earth Tech, Inc. - Scott Aviation site  
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: \_\_\_\_\_

Matrix (soil/water): WATERLab Sample ID: A6B2857203% Solids: 0.0

Date Samp/Recv: \_\_\_\_\_

| Parameter Name                         | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|----------------------------------------|------------------|--------|---|---|---|---------------|---------------|
| SGT Total Petroleum Hydrocarbons _____ | MG/L             | 5.0    | U |   |   | 1664 SGT      | 10/21/2006    |

Comments:

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27/141

EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
WET CHEMISTRY  
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_Lab Sample ID: A6B2863702 Lab File ID: \_\_\_\_\_Matrix: (soil/water) WATER Instrument ID (1): \_\_\_\_\_Date Analyzed (1): 10/23/2006 Time Analyzed (1): 13:45

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

|   | CLIENT<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED 1 | TIME<br>ANALYZED |
|---|----------------------|------------------|--------------------|------------------|
|   | =====                | =====            | =====              | =====            |
| 1 | EFFLUENT             | A6C33401         | 10/23/2006         | 13:45            |
| 2 | INFLUENT             | A6C33402         | 10/23/2006         | 13:45            |
| 3 | LCS                  | A6B2863701       | 10/23/2006         | 13:45            |

Comments: \_\_\_\_\_  
\_\_\_\_\_

Earth Tech, Inc.  
Earth Tech, Inc. - Scott Aviation site  
Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: STL Buffalo

Contract: \_\_\_\_\_

Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: \_\_\_\_\_

Matrix, (soil/water): WATERLab Sample ID: A6B2863702% Solids: 0.0

Date Samp/Recv: \_\_\_\_\_

| Parameter Name               | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|------------------------------|------------------|--------|---|---|---|---------------|---------------|
| Total Suspended Solids _____ | MG/L             | 4.0    | U |   |   | 160.2         | 10/23/2006    |

Comments:

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EARTH TECH, INC.  
EARTH TECH, INC. - SCOTT AVIATION SITE  
METHOD 8260 - TCL VOLATILE ORGANICS  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: \_\_\_\_\_ Labsampid: A6C0006667  
Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_  
Lab File ID (Standard): G6648.RR Date Analyzed: 11/01/2006  
Instrument ID: HP5973G Time Analyzed: 09:04  
GC Column(1): DB-624 ID: 0.180(mm) Heated Purge: (Y/N) N

|               |               | IS1 (CBZ) |        | IS2 (DCB) |        | IS3 (DFB) |        |
|---------------|---------------|-----------|--------|-----------|--------|-----------|--------|
|               |               | AREA      | # RT # | AREA      | # RT # | AREA      | # RT # |
| =====         |               | =====     |        | =====     |        | =====     |        |
| 12 HOUR STD   |               | 139761    | 8.53   | 154248    | 10.90  | 307072    | 5.64   |
| UPPER LIMIT   |               | 279522    | 9.03   | 308496    | 11.40  | 614144    | 6.14   |
| LOWER LIMIT   |               | 69881     | 8.03   | 77124     | 10.40  | 153536    | 5.14   |
| =====         |               | =====     |        | =====     |        | =====     |        |
| CLIENT SAMPLE | Lab Sample ID | =====     |        | =====     |        | =====     |        |
| =====         | =====         | =====     |        | =====     |        | =====     |        |
| 1 EFFLUENT    | A6C33401      | 120542    | 8.53   | 117103    | 10.90  | 261984    | 5.64   |
| 2 INFLUENT    | A6C33402      | 119049    | 8.53   | 114013    | 10.90  | 264537    | 5.64   |
| 3 MSB98       | A6B2928101    | 149869    | 8.53   | 156651    | 10.90  | 329156    | 5.64   |
| 4 TRIP BLANK  | A6C33403      | 115086    | 8.53   | 109083    | 10.90  | 252286    | 5.64   |
| 5 VBLK98      | A6B2928102    | 143002    | 8.53   | 137533    | 10.90  | 308869    | 5.64   |

AREA UNIT      RT  
QC LIMITS      QC LIMITS

IS1 (CBZ) = Chlorobenzene-D5      ( 50-200)    -0.50 / +0.50 min  
IS2 (DCB) = 1,4-Dichlorobenzene-D4      ( 50-200)    -0.50 / +0.50 min  
IS3 (DFB) = 1,4-Difluorobenzene      ( 50-200)    -0.50 / +0.50 min

# Column to be used to flag recovery values  
\* Values outside of contract required QC limits

## Sample Data Package

## SDG Narrative

## SAMPLE SUMMARY

| <u>LAB SAMPLE ID</u> | <u>CLIENT SAMPLE ID</u> | <u>MATRIX</u> | <u>SAMPLED</u> |             | <u>RECEIVED</u> |             |
|----------------------|-------------------------|---------------|----------------|-------------|-----------------|-------------|
|                      |                         |               | <u>DATE</u>    | <u>TIME</u> | <u>DATE</u>     | <u>TIME</u> |
| A6C33401             | EFFLUENT                | WATER         | 10/19/2006     |             | 10/20/2006      | 08:20       |
| A6C33402             | INFLUENT                | WATER         | 10/19/2006     |             | 10/20/2006      | 08:20       |
| A6C33403             | TRIP BLANK              | WATER         | 10/19/2006     |             | 10/20/2006      | 08:20       |

## METHODS SUMMARY

Job#: A06-C334STL Project#: NY3A9023Site Name: Earth Tech - Scott Aviation site

| PARAMETER                           | ANALYTICAL<br>METHOD |
|-------------------------------------|----------------------|
| METHOD 8260 - TCL VOLATILE ORGANICS | SW8463 8260          |
| pH                                  | MCAWW 150.1          |
| SGT Total Petroleum Hydrocarbons    | MCAWW 1664 SGT       |
| Total Suspended Solids              | MCAWW 160.2          |

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)
- SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

## NON-CONFORMANCE SUMMARY

Job#: A06-C334STL Project#: NY3A9023Site Name: Earth Tech - Scott Aviation siteGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-C334

Sample Cooler(s) were received at the following temperature(s); 2.0 °C  
Lab to composite volatile samples by date/time.

GC/MS Volatile Data

The analyte Methylene Chloride was detected in Method Blank VBLK98 (A6B2928102) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

Initial calibration standard curve A6I0002095-1 exhibited a percent Relative Standard Deviation (%RSD) of greater than 15% for several compound. However, the overall mean RSD of all compounds is 8.95%.

All samples were preserved to a pH less than 2.

Volatile samples EFFLUENT and INFLUENT were composited in the laboratory, prior to analysis.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this 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 hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Brian J. Fischer  
Project Manager

11-7-02  
Date

## Chain Of Custody Documentation





**Severn Trent Laboratories, Inc.**

STL-4124 (0901)

[illegible]

Comments: LAB TO COMPOSITE Influent 1,2,3,4 for Influent VOC analysis. LAB TO composite effluent 1,2,3,4 for effluent VOC analysis. CALL w/ QUESTIONS

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

~~FOR LAB ANALYSIS - 2011 SAMPLE ONE~~

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered  
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled  
Third, Fourth Digits - Preservation Types:  
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCL, 04=Sodium Thiosulfate  
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCL, 08=MeOH  
09=MCAA (Mono chloroacetic acid)

Sample Custodian: C. G. [Signature] 10/20/2006